



October 28, 2022

Original and Electronic Submittal

Mr. Douglas Coenen (Douglas.Coenen@wisconsin.gov)
Wisconsin Department of Natural Resources
P.O. Box 7921
Madison, WI 53707-7921

RE: Re-Submittal of the Application and Feasibility and Plan of Operation Report (FPOR)
Enviro-Safe Consulting, LLC. (dBA Enviro-Safe Resource Recovery)
EPA ID Number: WIR000142877
FID Number: 267193300

This letter is being provided as a Re-Submittal of the Application and Feasibility and Plan of Operation Report (FPOR) for a new hazardous waste treatment and storage facility based upon the FPOR submittal dated September 2, 2022.

Since the submittal on September 2, 2022, guidance on the portable digital file (PDF) submittal requirements has been issued and incorporated into the re-submittal. In addition, new changes to provide further clarification on specific items requested by the WDNR has been provided and includes the following:

- 1) Electronic Submittal in PDF Format. The portable digital file (PDF) has been modified to include bookmark of the part/section/subsection or attachments and internal hyperlinks to the appropriate attachments.
- 2) Appendix H - Waste Analysis Plan. The Waste Analysis Plan (WAP) has been updated October 21, 2022 per discussion with Doug Coenen from the WDNR. The Word Document with the tracked changes has been provided to Doug for easy reference and therefore changes are not individual listed here.
- 3) Appendix T-01 - Stantec PE Certification for Closure Plan. To provide clear description to the Stantec PE Certification the statement. The original statement "Stantec Consulting Services Inc. (Stantec), under my supervision, reviewed and approved of these Closure Plan Requirements for Enviro-Safe Resource Recovery for their Germantown, Wisconsin TSD facility." has been changed to "Stantec Consulting Services Inc. (Stantec), under my supervision, reviewed and approved of these Hazardous Waste Closure Plan Requirements under Part 1, Section L of the Feasibility and Plan of Operation Report (FPOR) and Appendix T-02 of the FPOR HWMU Closure Cost Summary dated October 28, 2022 for Enviro-Safe for their Germantown, Wisconsin TSD facility." The changes are highlighted in the FPOR document under Appendix T-01 for easy reference.

The re-submittal of the FPOR has been revised to be approved pursuant to ss. 289.29 and 289.30(6), Wis. Stats. and with the intent to obtain a license under ss. 289.31 and 291.25, Wis. Stats. The FPOR is dated October 24, 2022 and is being submitted in electronic (PDF) format via the shared files set-up in Outlook with access by the WDNR.



Any questions related to this revised application can be directed to:

Dawn Zellmer, CEO/Operations
Enviro-Safe Consulting, LLC. (dBA Enviro-Safe Resource Recovery)
W130 N10500 Washington Drive
Germantown, WI 53022
Phone: (262) 790-2500
Email: dzellmer@enviro-safe.com

We appreciate your time in reviewing the application and FPOR. In addition, to the contact indicated above, I can be contacted at any time at (262) 790-2500 or jvilione@enviro-safe.com.

Sincerely,
Enviro-Safe Consulting, LLC.

Jeffrey D. Vilione
Founder/President

Cc: Jim Delwiche, NR Regional Program Manager – Milwaukee
(jim.delwiche@wisconsin.gov)

Randy Malek, Waste Management Specialist - Waukesha Service Center
(Randall.Malek@wisconsin.gov)

Lori Mulsoff, Waste Management Specialist - Milwaukee Service Center
(Lori.Mulsoff@wisconsin.gov)

Norberto Gonzales, Region 5 RCRA Permitting
(Gonzalez.Norberto@epa.gov)



Feasibility and Plan of Operation Report

Enviro-Safe Consulting, LLC.
dBA Enviro-Safe Resource Recovery
Germantown, Wisconsin

FID Number: 267193300
EPA ID Number: WIR000142877

Table of Contents

PART 0: INTRODUCTION	13
0.1 General	13
0.2 Definitions	13
PART 1: SECTION A. GENERAL REQUIREMENTS	17
1A.1 License Application [NR 670.010(1)]	17
1A.2 Plan Review and License Fee [NR 670.010(12)]	17
1A.3 Signatories to License Applications and Reports [NR 670.011(1)]	17
1A.4 Owner’s and Operator’s Certification Statement [NR 670.011(4) and 670.012]	17
1A.5 Claim of Confidentiality [NR 670.012]	17
1A.6 Summary of Pre-Application Meeting [NR 670.014(2)(v)]	17
1A.7 Local Approval Requirements Documentation [NR 670.014(2)(w)]	17
1A.8 Complete Part A Application [NR 670.013]	18
1A.8.1 License Activities [NR 670.013(1)]	18
1A.8.2 Legal Location Information [NR 670.013(2)]	18
1A.8.3 SIC/NAICS Codes [NR 670.013(3)]	18
1A.8.4 Operator Information [NR 670.013(4)]	18
1A.8.5 Facility Owner’s Information [NR 670.013(5)]	19
1A.8.6 Indian Land [NR 670.013(6)]	19
1A.8.7 Facility and Application Type [NR 670.013(7)]	19
1A.8.8 Hazardous Waste Type, Quantity and Processes [NR 670.013(10)]	19
1A.8.9 Current Facility Information [NR 670.013(8)]	19
1A.8.10 Proposed Hazardous Waste Processes and Design Capacity [NR 670.013(9)]	25
1A.8.11 Federal and State Permits, Licenses and Approvals [NR 670.013(11)]	43
1A.8.12 Topographic Map [NR 670.013(12)]	45
1A.8.13 Nature of Business [NR 670.013(13)]	45
1A.8.14 Hazardous Debris Categories and Contaminant Categories [NR 670.013(14)]	46
1A.9 Professional Engineer Certification [NR 670.014(1) and NR 670.001(2)]	46
1A.10 General Description of Facility [NR 670.014(2)(a)]	46
1A.11 Procedures, Structures or Equipment Description Preventing Hazards in Unloading Operations [NR 670.014(2)(h)1]	46
1A.12 Prevention of Runoff from Hazardous Waste Handling Areas and Prevention of Flooding	47
[NR 670.014(2)(h)2]	47

1A.13 Prevent Contamination of Water Supplies [NR 670.014(2)(h)3]	47
1A.14 Mitigate Effects of Equipment Failure and Power Outages [NR 670.014(2)(h)4]	48
1A.15 Prevent Undue Exposure of Personnel to Hazardous Waste [NR 670.014(2)(h)5]	48
1A.16 Procedures, Structures and Equipment Used to Prevent Releases to the Atmosphere [NR 670.014(2)(h)6]	48
1A.17 Traffic Pattern, Control and Road Surface [NR 670.014(2)(j)]	49
1A.18-1A.19 Chemical and Physical Analyses of Hazardous Waste/Debris to be Handled [NR 670.014(2)(b) and NR 670.014(2)(c)]	49
1A.20 Preparedness and Prevention [NR 670.014(2)(f) and NR 664.0031 through NR 670.0037]	49
1A.21-1A.25 Prevention of Accidental Ignition or Reaction of Ignitable, Reactive or Incompatible Wastes [NR 670.014(2)(i) and 664.0017(1) through NR664.0017(3)]	52
PART 1: SECTION B. NON-COMPLIANCE WITH PLANS OR ORDERS	53
1B.1 Identification of Ownership [NR 670.014(2)(x)1(a)]	53
1B.2 Other Facility Orders or Approvals [NR 670.014(2)(x)1(b)]	53
1B.3 Other Facility Ownership [NR 670.014(2)(x)1(c)]	53
1B.4 Plan Approval and Order Compliance [NR 670.014(2)(x)1(d)]	53
PART 1: SECTION C. ENVIRONMENTAL IMPACT REVIEW	54
1C.1 Project Summary [NR 670.014(2)(x)2.a]	54
1C.2 Terrestrial Resources [NR 670.014(2)(x)2.b.1]	54
1C.3 Aquatic Resources [NR 670.014(2)(x)2.b.2]	54
1C.4 Building and Structures [NR 670.014(2)(x)2.b.3]	55
1C.5 Air Emissions and Water Discharges [NR 670.014(2)(x)2.b.4]	55
1C.6 Other Changes [NR 670.014(2)(x)2.b.5]	55
1C.7 Maps and Other Materials [NR 670.014(2)(x)2.b.6]	55
1C.8 Physical Environment [NR 670.014(2)(x)2.c.1]	56
1C.9 Dominant Species and Habitat [NR 670.014(2)(x)2.c.2]	57
1C.10 Existing Land Use, Dominate Features and Zoning [NR 670.014(2)(x)2.c.3]	57
1C.11 Social and Economic Conditions [NR 670.014(2)(x)2.c.4]	57
1C.12 Other Special Resources [NR 670.014(2)(x)2.c.5]	57
1C.13 Physical Impacts [NR 670.014(2)(x)2.d.1]	57
1C.14 Biological Impacts [NR 670.014(2)(x)2.d.2]	58
1C.15 Land Use Impacts [NR 670.014(2)(x)2.d.3]	58
1C.16 Social and Economic Impacts [NR 670.014(2)(x)2.d.4]	58
1C.17 Other Special Resource Impacts [NR 670.014(2)(x)2.d.5]	58

1C.18 Probable Adverse Impacts [NR 670.014(2)(x)2.d.6] 58

1C.19 Feasible Alternatives [NR 670.014(2)(x)2.e]..... 59

1C.20 Need Determination per 289.28 [NR 670.014(2)(x)3]..... 59

PART 1: SECTION D. GROUNDWATER PROTECTION 60

1D.1-1D.9 Groundwater Protection [NR 670.014(3)]..... 60

PART 1: SECTION E. CORRECTIVE ACTION AND SOLID WASTE MANAGEMENT UNITS 61

1E.1 Information Regarding Groundwater Protection if There is a Release from A SWMU [NR 670.014(3)] 61

1E.2 Topographic Map Showing Location of SWMU [NR 670.014(4)(a)1] 61

1E.3 Designated Types of SWMUs [NR 670.014(4)(a)2]..... 61

1E.4 General Dimensions and Structural Description of SWMUs [NR 670.014(4)(a)3] 61

1E.5 When the SWMUs Were Operated [NR 670.014(4)(a)4] 61

1E.6 Types of Wastes Managed at the SWMUs [NR 670.014(4)(a)5] 61

1E.7 All Available Information Pertaining to Releases of Hazardous Waste Constituents from Hazardous Waste Units [NR 670.014(4)(b)]..... 61

1E.8 Results of Sampling and Analysis of Surface or Groundwater, Soil and Air Sampling if the Department Determines a RFA is Necessary [NR 670.014(4)(c)]..... 62

PART 1: SECTION F. LOCATION STANDARDS..... 63

1F.1 100-Year Flood Plain [NR 670.014(2)(k)3] 63

1F.2 100-Year Flood Plain Federal Insurance Administration Flood Map [NR 670.014(2)(k)3]..... 63

1F.3 Identification of 100-Year Flood Plain [NR 670.014(2)(k)3]..... 63

1F.4 Engineering Analysis of Hydrodynamic and Hydrostatic Forces [NR 670.014(2)(k)4.a] 63

1F.5 Structural and Engineering Studies Showing Design or Operations Units and Floor Protection Devices [NR 670.014(2)(k)4.b] 63

1F.6 Description of Procedures to Move Hazardous Waste Before Flooding [NR 670.014(2)(k)4.c] 63

1F.7 Demonstration of Procedures in Effect to Move the Waste Safely to a Location that is not Vulnerable to Flood Waters [NR 664.0018(2)9a] 63

1F.8 Compliance Schedule [NR 670.014(2)(k)5] 63

1F.9 Dated Topographic Map [NR 670.014(2)(s)]..... 64

1F.10 Map Shows Map Scale and Date [NR 670.014(2)(s)1]..... 64

1F.11 Map Shows 100-Year Floor Plain Area [NR 670.014(2)(s)2] 64

1F.12 Surface Waters [NR 670.014(2)(s)3] 64

1F.13 Surrounding Land Use [NR 670.014(2)(s)4] 64

1F.14 Wind Rose [NR 670.014(2)(s)5]..... 64

1F.15 Map Orientation [NR 670.014(2)(s)6]	64
1F.16 Legal Boundaries of the Hazardous Waste Facility [NR 670.014(2)(s)7]	64
1F.17 Access Control [NR 670.014(2)(s)8]	64
1F.18 Injection and Withdrawal Wells [NR 670.014(2)(s)9]	65
1F.19 Buildings and Storage, Treatment or Disposal Operations [NR 670.014(2)(s)10].....	65
1F.20 Other Structures [NR 670.014(2)(s)10]	65
1F.21 Barriers for Drainage or Floor Control [NR 670.014(2)(s)11]	65
1F.22 Locations of Operational Units Storage [NR 670.014(2)(s)12].....	65
1F.23 Wetlands [NR 670.014(2)(k).6.b]	65
1F.24 Critical Habitat for Threatened or Endangered Species [NR 670.014(2)(k).6.a].....	65
PART 1: SECTION G. WASTE ANALYSIS PLAN	67
1G.1 Waste Characterization and Analysis [NR 664.0013(1)(a)]	67
1G.2 Certified Laboratory Requirements [NR 664.0013(1)(a)]	67
1G.3 Other Data [NR 664.0013(1)(b)]	67
1G.4 Analysis Upon Receipt [NR 664.0013(1)(d)].....	67
1G.5 Parameter and Rational [NR 664.0013(2)(a)]	67
1G.6 Test Methods [NR 664.0013(2)(b)].....	67
1G.7 Sampling Method [NR 664.0013(2)(c)]	67
1G.8 Frequency of Repeat Analysis [NR 664.0013(2)(d)].....	67
1G.9 Minimum Repeat Analysis [NR 664.0013(1)(c)]	67
1G.10 Waste Analysis Generator [NR 664.0013(2)(e)].....	67
1G.11 Ignitable, Reactive and Incompatible Waste Analysis Method [NR 664.0013(2)(f)].....	67
1G.12 Process Vents (Subpart AA Standard) Test Method and Procedure to Comply [NR 664.1034(4) and NR 664.013(2)(f)]	68
1G.13 Equipment Leaks (Subpart BB Standard) Test Method and Procedure to Comply [NR 664.1063(4) and NR 664.0013(2)(f)]	68
1G.14 Container Air Emissions (Subpart CC Standard) Waste Determination Procedure [NR 664.1083 and NR 664.0013(2)(f)]	68
1G.15 Land Disposal Restriction (LDR) Standard Testing [NR 668.07 and NR 664.0013(2)(f)]	68
1G.16 Container Air Emission (Subpart CC Standard) Exemption [NR 664.0013(2)(h)].....	68
1G.17 Off-Site Waste Inspection and Analysis Procedures [NR 664.0013(3)]	68
PART 1: SECTION H. SECURITY REQUIREMENTS	69
1H.1 Security Procedures to Prevent Unauthorized Entry [NR 664.0014(2)(a)]	69
1H.2 Perimeter Barriers [NR 664.0014(2)(b)]	69

1H.3 Signage [NR 664.0014(3)]	70
1H.4 Demonstration that Security Requirements are Not Necessary [NR 664.0014(1)].....	70
PART I: SECTION I. GENERAL INSPECTION REQUIREMENTS	71
1I.1 Description of the Equipment and Device Inspected [NR 664.0015(2)(a)]	71
1I.2 Description of Problems Checked During the Inspection [NR 664.0015(2)(c)]	71
1I.3 Inspection Schedule for Closed Vent System or Control Device Required by NR 664.1033 [NR 670.014(2)(d)].....	71
1I.4 Inspection Schedule for Subch. BB Pumps in Light Liquid Service Required by NR 664.1052 [NR 670.014(2)(d)].....	71
1I.5 Inspection Schedule for Subch. BB Compressors Required by NR 664.1053 [NR 670.014(2)(d)].....	71
1I.6 Inspection Schedule for Subch. BB Pumps and Valves in Heavy Liquid Service, Pressure Relief Devices and Connectors Required by NR 664.1058 [NR 670.014(2)(d)].....	71
1I.7 Inspection Frequency for Subpart BB Equipment [NR 664.0015(2)(d)]	72
1I.8 Areas Subject to Spill Inspected Daily When in Use [NR 664.0015(2)(d)].....	72
1I.9 Inspection Frequency Based on Probability of an Environmental or Human Health Incident [NR 664.0015(2)(d)].....	72
1I.10 Schedule to Remedy [664.0015(3)]	72
1I.11 Inspection Log Retention [NR 664.0015(4)]	73
PART 1: SECTION J. CONTIGENCY PLAN REQUIREMENTS	74
1J.1 Contingency Plan [NR 670.014(2)(g)]	74
1J.2 Purpose and Scope [NR 664.0051(1)].....	74
1J.3 Implementation of Contingency Plan [NR 664.0051(2)]	74
1J.4 Emergency Response Procedures [NR 664.0052(1)].....	74
1J.5 SPCC Plan [NR 664.0052(2)].....	74
1J.6 Arrangements with Local Emergency Agencies [NR 664.0052(3)]	74
1J.7 List of Emergency Coordinator and Alternates [NR 664.0052(4)].....	74
1J.8 List of Emergency Equipment [NR 664.0052(5)]	74
1J.9 Evacuation Plan [NR 664.0052(6)].....	74
1J.10 Plan Distribution [NR 664.0053].....	74
1J.11 Plan Amendments [NR 664.0054]	74
1J.12 Emergency Coordinator [NR 664.0055]	75
1J.13 Emergency Coordinator Knowledge [NR 664.0055]	75
1J.14 Emergency Coordinator Authority [NR 664.0055].....	75
1J.15 Activates Alarm and Notifies Local Authorities [NR 664.0056(1)]	75

1J.16 Identifies Emergency Details [NR 664.0056(2)]	75
1J.17 Identifies Human Health and Environmental Hazards [NR 664.0056(3)]	75
1J.18 Local Authority Notification [NR 664.0056(4)(a)]	75
1J.19 Emergency Response Officials Notification [NR 664.0056(4)(b)]	75
1J.20 Preventing Spread of Emergency [NR 664.0056(5)]	75
1J.21 Monitoring Emergency [NR 664.0056(6)]	75
1J.22 Disposal of Materials from Emergency [NR 664.0056(7)]	75
1J.23 Incompatibilities Between Waste and Emergency Materials [NR 664.0056(8)(a)]	75
1J.24 Restoring Emergency Equipment [NR 664.0056(8)(b)]	75
1J.25 Operating Log and Incident Reporting [NR 664.0056(9)]	76
PART 1: SECTION K. TRAINING PLAN REQUIREMENTS	77
1K.1 Training Outline [NR 670.014(2)(L)]	77
1K.2 Hazardous Waste Management Training [NR 664.0016(1)(b)]	77
1K.3 Training for Emergencies [NR 664.0016(1)(c)]	77
1K.4 New Position Training [NR 664.0016(2)]	77
1K.5 Training Documentations [NR 664.0016(4)]	77
1K.6 Training Designed to Meet Actual Job Tasks [NR 670.014(2)(L)]	77
PART 1: SECTION L. CLOSURE PLAN REQUIREMENTS	78
1L1. Closure Plan [NR 670.014(2)(m), NR 664.112 and 664.142]	78
1L.2 Closure to Minimize Need for Further Maintenance [NR 664.0112(2)(a)]	78
1L.3 Closure to Minimize Post Closure Escape [NR 664.0112(2)(a)]	78
1L.4 Extent of Operations During Facility Life [NR 664.0112(2)(b)]	78
1L.5 Maximum Inventory [NR 664.0112(2)(c)]	79
1L.6 Inventory Removal and Disposal [NR 664.0112(2)(c)]	79
1L.7 Off-Site Management [NR 664.0112(2)(c)]	79
1L.8 Removal and Decontamination [NR 664.0112(2)(d)]	79
1L.9 Meeting Closure Performance Standards [NR 664.0112(2)(e)]	81
1L.10 Closure of Container Area [NR 664.0178]	81
1L.11 Closure of Tank System [NR 664.0197(1)]	81
1L.12 Schedule for Closure of Each HWMU and Final Closure [NR 664.0112(2)(f)]	81
1L. 13 Estimated Year of Closure [NR 664.0112(2)(g)]	81
1L.14 Alternative Requirements [NR 664.0112(2)(h)]	82
1L.15 Department Notification [NR 664.0112(4)(a)]	82

1L.16 Final Receipt of Hazardous Waste [NR 664.0113(1)]	82
1L.17 Completion of Partial of Final Closure [NR 664.0113(2)]	82
1L.18 Disposal or Decontamination of Equipment, Structures and Soil [NR 664.0114]	82
1L.19 Certification of Closure [NR 664.0115]	82
PART 1: SECTION M. CLOSURE COST ESTIMATE AND FINANCIAL RESPONSIBILITY	84
1M.1 Closure Cost Estimate [NR 670.014(2)(o) and NR 664.0142(1)]	84
1M.2 Most Expensive Costs Used in Cost Estimate [NR 664.0142(1)(a)]	84
1M.3 Third Party Closure of Facility [NR 664.0142(1)(b)]	84
1M.4 Salvage Value Not Used in Closure Cost [NR 664.0142(1)(c)]	84
1M.5 Zero Cost Not Allowed [NR 664.0142(1)(d)]	84
1M.6 Estimated Financial Assurance for Closure [NR 664.0143]	84
1M.7 Closure Insurance Applicable Requirements [NR 664.0143]	84
1M.8 New Facility Requirement [NR 670.014(2)(o)]	85
PART 1: SECTION N. POLLUTION LIABILITY INSURANCE	86
1N.1 Insurance Policy [NR 670.014(2)(q)]	86
1N.2 Third Party Bodily Injury and Property Damage [NR 664.0147(1)]	86
1N.3 Coverage Levels [NR 664.0147(1)]	86
1N.4 New Facility [NR 670.014(2)(q)]	86
PART 2: SECTION A. CONTAINER STANDARDS - INSPECTIONS	87
2A.1 Weekly Inspections [NR 670.014(2)(e), NR 664.0174 and NR 664.0175]	87
2A.2 Frequency of Container Storage Area Inspections [NR 670.014(2)(e) and NR 664.0015(2)(d)]	87
2A.3 Subpart CC Container Inspections [NR 670.014(2)(e) and NR 664.1086]	87
2A.4 Subpart CC Container Emission Control [NR 670.014(2)(e), NR 664.1088 and NR 670.014(2)(e)]	87
2A.5 Subpart CC Container Inspection Frequency [NR 670.014(2)(e) and NR 664.1015(2)(d)]	88
PART 2: SECTION B. CONTAINER STANDARDS - CONTAINMENT	89
2B.1 Containment System Integrity [NR 664.0175(2)(a)]	89
2B.2 Containment System Protection from Accumulated Liquids [NR 664.0175(2)(b)]	90
2B.3 Containment System Capacity [NR 664.0175(2)(c) and NR 670.015(1)(c)]	90
2B.4 Run-On Prevention [NR 664.0175(2)(d) and NR 670.015(1)(d)]	91
2B.5 Accumulated Liquid Removal and Analysis [NR 664.0175(2)(e) and NR 670.015(1)(e)]	91
2B.6 Containment for F020, F021, 022, F023, F026, F027 Waste [NR 664.0175(4)]	92
2B.7 Containment Design [NR 670.015(1)(a)]	92
2B.8 Containment Design Provides Protection Against Accumulated Liquids [NR 670.015(1)(b)]	92

2B.9 Containment Capacity in Relationship to Volume Stored [NR 670.015(1)(c)]	92
2B.10 Run-On Prevention [NR 670.015(1)(d)]	92
2B.11 Analysis and Removal of Accumulated Liquids [NR 670.015(1)(e)]	92
2B.12 Storage of Containers with No Free Liquids [NR 670.015(2)]	92
2B.13 No Free Liquids Analysis [NR 670.015(2)(a)]	93
2B.14 Design of Areas for the Storage of Waste with No Free Liquids [NR 670.015(2)(b)]	93
PART 2: SECTION C. CONTAINER STANDARDS - INCOMPATIBLE, REACTIVE, IGNITABLE WASTE	94
2C.1 Ignitable Stored 50 Feet from Property Line [NR 664.0176]	94
2C.2 Storage of Incompatible Waste [NR 664.0177(3) and NR 664.0017(1)]	94
2C.3 Incompatible Waste Placed in Same Container [NR 670.0015(4)]	95
2C.4-2C.8 Precautions for Ignitable, Reactive and Incompatible Waste [NR 670.0017(2)(a) thru NR 670.0017(2)(e), NR 664.0117(1), NR 664.0017(2)(a) thru NR 664.0017(2)(e), and NR 664.0017(3)]	95
2C.9 Documentation of Compliance with NR 664.0017(2) [NR 664.0017(3)]	96
2C.10 Placing Incompatible Waste in an Unwashed Container [NR 664.0177(2)]	96
PART 3: SECTION M. SUBCH CC - AIR EMISSION CONTROL STANDARDS - CONTAINERS AND TANKS	97
3M.1 Documentation of Floating Roof Cover Installed on Tanks [NR 664.1084(4)(a) or (b) and NR 670.027(1)(a)]	97
3M.2 Identification of Each Container Area Subject to Subpart CC [NR 670.027(1)(b)]	97
3M.3 Owner/Operator Certification to Subch. CC Requirements for Container Storage Areas [NR 670.027(1)(b)]	97
3M.4 Documentation of Enclosures Used to Control Air Emissions from Containers [NR 664.1086(5)(a)(2), NR 664.1084(4)(e) and NR 670.027(1)(c)]	97
3M.5 Permanent Total Enclosures Used to Control Air Emissions from Containers [NR 670.027(1)(c)] ...	97
3M.6 Closed-Vent System and Control Devices Used to Control Air Emissions from Containers [NR 670.027(1)(e)]	97
3M.7 Control Devices Used to Control Air Emissions from Containers [NR 670.027(1)(f)]	97
APPENDIX A: TSD LICENSE COMPLETENESS CHECKLIST	98
APPENDIX B: OWNER, OPERATOR, SUBPART CC AND PE CERTIFICATIONS	99
B-01 Owner’s and Operator’s Certification Statement	99
B-02 PE Certification	99
B-03 Subpart CC Certification	99
APPENDIX C: PART A APPLICATION	103
APPENDIX D: SITE PHOTOS	104
APPENDIX E: PRE-PLANNING MEETING DOCUMENTATION	116

APPENDIX F: PRE-APPLICATION DOCUMENTATION FOR LOCAL APPROVAL	117
APPENDIX G: DRAWING AND MAPS	118
G-01 Village of Germantown Zoning Surround Land Use Map [NR 670.014(s)(4)].....	118
G-02 Certified Site Survey.....	118
G-03 Topographical Map [NR 670.13(12) and NR 670.0.014(s)].....	118
G-04 Facility Map [NR 670.13(8) and NR 670.014(s)(10)]	118
G-05 Secondary Containment Map	118
G-06 100-Year Flood Plain Map [NR 670.014(k) and NR 670.014(s)(2)]	118
G-07 Local Street and Traffic Pattern Map [NR 670.014(s)(3)]	118
G-08 Container Storage Map.....	118
G-09 Surface Waters and Streams Map [NR 670.014(s)(3)].....	118
G-10 Wind Rose Data Maps [NR 670.014(s)(5)]	118
G-11 WDNR Injection and Withdrawal Well Map	118
APPENDIX H: WASTE ANALYSIS PLAN	119
APPENDIX I: TOTAL PREVENTATIVE MAINTENANCE AND INSPECTION PLAN	120
APPENDIX J: EMERGENCY MANAGEMENT PLAN (CONTIGENCY PLAN)	121
APPENDIX K: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN	122
APPENDIX L: TRAINING AND COMPETENCE PLAN	123
APPENDIX M: PERSONAL PROTECTIVE EQUIPMENT PLAN AND RESPIRATORY PROTECTION PLAN	124
M-01 Personal Protective Equipment Plan	124
M-02 Respiratory Protection Plan	124
APPENDIX N: APPENDIX INTENTIONALLY LEFT BLANK	125
APPENDIX O: CERTIFICATE OF INSURANCE	126
APPENDIX P: INCOMPATIBLE, REACTIVE AND IGNITABLE SEGREGATION AND COMPATIBILITY CHARTS	127
P-01 DOT Hazardous Material Load and Segregation Chart	127
P-02 Storage Compatibility Chart	127
APPENDIX Q: ENDANGERED SPECIES REVIEW	128
APPENDIX R: WETLAND DELINEATION REPORT (STANTEC - SEPT-2018) AND VILLAGE OF GERMANTOWN ARTIFICIAL WETLAND DETERMINATION LETTER	129
R-01 Wetland Delineation Report (Stantec - Sept-2018)	129
R-02 Village of Germantown Artificial Wetland Determination (Jun-2020).....	129
APPENDIX S: EDWC IMPACT REPORT	130
APPENDIX T: CLOSURE PLAN COSTS	131

T-01 Closure Plan PE Certification	131
T-02 Hazardous Waste Management Unit Closure Cost Summary.....	131
T-03 Closure Letter of Credit	131
APPENDIX U: SECONDARY CONTAINMENT.....	132
U-01 Secondary Containment Calculations.....	132
U-02 NOAA Atlas 14 Point Precipitation Frequency Estimate.....	132
U-03 Joint Sealer and Concrete Additive Specifications.....	132
U-04 Waterstops and Stormceptor System Specifications	132
APPENDIX V: FEDERAL AND STATE PERMITS, LICENSES AND APPROVALS.....	133
V-01 WDNR Solid Waste Processing Facility (License# 4587)	133
V-02 WDNR Hazardous Waste - SQG (US EPA ID No. WIR000142877).....	133
V-03 DOT Number (2322446).....	133
V-04 DOT Hazardous Material Registration	133
V-05 WDNR Solid Waste and /or Recyclable Transportation Service License (License #15810)	133
V-06 WDNR Hazardous Waste Transport Service License (License #15809)	133
V-07 WDNR Infectious Waste Transportation License (License #16903).....	133
V-08 WDNR Storm Water Industrial No Exposure Certification (FIN No. 54508)	133
V-09 Village of Germantown Conditional Use Permit (CUP# 06-15).....	133
V-10 Village of Germantown Certificate of Occupancy - Permit 053-12 (Issued August 14, 2012)	133
V-11 Village of Germantown Certificate of Occupancy - Permit 20GRM-B00040 (November 16, 2021) ..	133
APPENDIX W: APPENDIX INTENTIONALLY LEFT BLANK.....	134
APPENDIX X: LOADING/UNLOADING PROCEDURE FORM	135

PART 0: INTRODUCTION

0.1 General

This Feasibility and Plan of Operation Report (FPOR) has been prepared as part of an initial license application in accordance with NR 670.001(2) for Enviro Safe Resource Recovery (Enviro Safe) located in the Village of Germantown, Wisconsin.

This FPOR has been formatted in a manner similar to the outline presented in the WDNR's completeness checklist. A completed version of the TSD License Completeness Checklist is presented in Appendix A.

0.2 Definitions

The following definitions apply to this FPOR.

Accept or Acceptance. The time when waste screening is complete and the facility signs line 20 of the manifest.

Acceptable Knowledge. Knowledge-based determinations that are based on relevant and reliable (i.e., verifiable) information from any source that indicates that the waste is either a hazardous waste or non-hazardous waste under subchapter C and D of chapter NR 661 Wis. Adm. Code; which hazardous waste codes(s) apply; and which exclusions or restrictions pertain to management of the waste.

Bulk Container Waste, Bulk Waste or Bulk Load. Waste that is received and shipped in large containers, such as Intermediate Bulk Containers (IBC also known as totes as defined at 49 CFR 171.8), tanker trucks, roll-off containers and lugger boxes.

Bulk Containers. Bulk Containers means containers of Bulk Container Waste.

Bulk or Consolidated Packs. Containers that hold smaller containers of one type of material (e.g., paints, lamps). Each bulk or consolidated pack container is prepacked in accordance with applicable U.S. DOT regulations. Examples of waste delivered in this way includes spent batteries, palletized boxes of ODM/OEM chemicals that have been shipped in the original manufacturer approved outer containers.

Competent Individual. A person by way of training and/or experience, is knowledgeable of applicable standards, is of sound mind and body, and is capable of identifying workplace hazards and environmental risks relating to the specific operations and has the authority to correct them.

Consolidation, Commingling or Bulking. The act of combining the contents of one container or tank with the contents of another container or tank, such that they are in contact with each other. Lab-packing/repacking does not constitute consolidation.

Container. Any portable device in which a material is stored, transported, treated, disposed, or otherwise handled (e.g., sacks, flasks, pails, bags, boxes, gas cylinders, drums, IBCs, cubic-yard boxes and bags and tanker trucks) as defined in NR 660.10(14) Wis. Adm. Code.

Discrepancy. For Level I, II, and III analyses, discrepancy means a difference between the waste received at the facility when compared to its waste information profile, the manifest or bill of lading, and the LDR document (if applicable).

Facility. Facility means Enviro-Safe Consulting, LLC. dBA Enviro-Safe Resource Recovery at W130N10500 Washington Drive, Germantown, WI 53022 (EPA ID Number WIR000142877).

Fingerprint Analysis. The sampling and analysis of several key chemical and physical parameters of a waste to substantiate or verify the composition of a waste as determined previously during a full-scale waste characterization/determination. Fingerprint analysis is typically used by the facility to expedite screening of received wastes. Parameters for analysis may be a subset of the parameters used during full-scale characterization, or they may be parameters that are not normally present in the waste to verify the absence of certain constituents.

Fuel Blending. Combining compatible hazardous wastes that possess substantiable heat value with other compatible materials that also possess substantial heat value (e.g., used oil, spent solvents) to create a waste that is amendable to burning for energy recovery. Fuel blending is a hazardous waste treatment that requires a license.

Generator. Generator means the waste generator responsible for complying with the requirements established in NR 662, or as legally specified by the generator, a bona-fide authorized representative of the generator that (after reasonable due diligence by the receiving facility) is determined to be qualified to act on behalf of the generator.

Lab Pack. An over-packed container, usually a steel, fiber or polyethylene drum, containing a variety of small containers of chemicals of the same DOT hazard class packed in non-biodegradable absorbent materials. Each lab pack container is prepackaged in accordance with applicable U.S. DOT regulations that are based on compatibility, content, and size of individual samples. An inventory-packaging list accompanies each lab pack container and identifies, among other things, the content, quantity, and size of each container within the lab pack, and applicable hazardous waste code(s).

Lab Packing/Repacking. When small containers of hazardous waste are placed into a larger container while remaining in the original smaller container with the intention to not allow the waste contents to mix.

Licensed RCRA Unit or Licensed Unit. A unit that has a hazardous waste license number assigned to it and meets the definition of "hazardous waste management unit" in s. NR 66110(54) Wis. Adm. Code. Examples include:

- Container storage areas. Note: A container alone does not constitute a unit; the unit includes containers and the land or pad upon which they are placed (see s. NR 660.10(54), Wis. Adm. Code).

- Tanks and associated piping and underlying containment systems.
- Landfills.
- Miscellaneous units.

Manufactured Article. A device this is designed for a purpose other than to access the chemicals that are present within the device. As examples, one uses these articles for electrical energy (batteries), light (lamps) or to measure temperature (thermometers). One does not use these articles to access the mercury, lead, or other chemicals contained in these articles.

Processing or Process. When the contents of a container or tank are added to a different container or tank or combined with other wastes or materials or are otherwise treated in a manner not requiring a hazardous waste license. The following are examples of license-exempt processing activities:

- Consolidation or Commingling or Bulking
- Lab-Packing, Depacking, and Re-Packing
- Elementary Neutralization
- Wastewater Treatment Unit Treatment
- Qualifying Treatability Studies

Proper processing requires that wastes are only combined or comingled when compatible with the container and the other wastes or materials.

Receive or Receipt. The time when a waste delivery enters the facility property.

Repackaging or Recontainerization. When the contents one a container are moved to another container without mixing with another waste. This includes placement of a container into an overpack container.

Shipment. A container or containers of a single waste stream that is delivered in the same transportation vehicle.

10-Day Transfer Waste. 10-day Transfer Waste means waste that is received at the facility and is stored for up to 10 days under the transfer facility requirements of NR 663.12. This activity requires a transporter license but not a facility (TSDF) license.

Trans-Ship. A waste that has been accepted into the facility and is then shipped to an off-site facility; the waste remains in its original container and the waste does not undergo any type of treatment or processing.

Waste Information Profile (WIP). A written documentation for a specific waste stream that is intended to contain all the information which must be known by the facility to properly process, treat, store, and/or transship the waste according to this chs. NR 664 and NR 668, Wis. Adm. Code.

Waste Analysis. A waste information gathered from analytical testing of representative samples and from knowledge-based determinations.

Waste Stream. A single type of solid waste or hazardous waste from a single generator that is described in a single profile.

PART 1: SECTION A. GENERAL REQUIREMENTS

1A.1 License Application [NR 670.010(1)]

In accordance with the requirements, two (2) complete and signed copies of the Hazardous Waste License Application (FPOR) have been prepared. As directed by the WDNR, two (2) hard copies and one (1) electronic copy of the FPOR is being submitted to the WDNR and one (1) electronic copy to the USEPA.

1A.2 Plan Review and License Fee [NR 670.010(12)]

The applicable Plan Review and License Fee in accordance with NR 670, Attachment II Hazardous Waste Fee Table for Review of Operating License Application (Part A FPOR) for Containers, Containment Buildings and Miscellaneous Units of \$4,000 shall be applicable. Enviro-Safe submitted payment in March, 2020 and has not been directed by the WDNR to submit any additional required review fee upon receipt of an invoice from the WDNR.

1A.3 Signatories to License Applications and Reports [NR 670.011(1)]

All license applications and reports shall be signed by a general partner.

1A.4 Owner's and Operator's Certification Statement [NR 670.011(4) and 670.012]

This FPOR has been prepared as part of an initial license application in accordance with NR 670.001(2). As part of the FPOR, the owner's and operator's certification statement are included in Appendix B.

1A.5 Claim of Confidentiality [NR 670.012]

Enviro-Safe is not requesting a claim of confidentiality.

1A.6 Summary of Pre-Application Meeting [NR 670.014(2)(v)]

A pre-application meeting was held on Monday, September 30, 2019 at 7:00pm at the Germantown Community Library located at N112 W16957 Mequon Road in Germantown. A public notice of the meeting was published in the Germantown Express News the week of August 16-23, 2019. Representatives from Enviro-Safe attended the meeting. There were no other people in attendance at the meeting and therefore no comments were received. A copy of the presentation, sign-in sheet, affidavit of publication, confirmation of broadcast media spot and a copy of the facility sign are included as part of the Preplanning Meeting Documentation [Appendix E].

1A.7 Local Approval Requirements Documentation [NR 670.014(2)(w)]

Enviro-Safe provided written request, including the standard notice, to each affected municipality, including a request for any additional local approvals that may be required. Responses were received from each affected municipality with no objections. A copy of the written request and

responses are included as part of the Pre-Application Documentation for Local Approvals [Appendix F].

1A.8 Complete Part A Application [NR 670.013]

1A.8.1 License Activities [NR 670.013(1)]

The current activities at the site includes solid waste processing facility, 10-day hazardous waste transfer facility, used oil marketer/processor, universal waste handler, and solvent continued use consolidation activities. Proposed hazardous waste activities at the site includes hazardous waste staging, licensed storage, exempt processing (consolidation/commingling/bulking) and lab packing/repacking) and treatment (fuels blending and elemental neutralization).

The hazardous waste storage and treatment activities are subject to the requirements of Chapter NR 664, NR 670 and NR 668 of the Wisconsin Administrative Code.

USEPA's Forms 8700-12 and 8700-23(are included in Appendix C. Additional information required by NR 670.013(1) through 670.013(14) is provided below. Site photos are included in Appendix D.

1A.8.2 Legal Location Information [NR 670.013(2)]

Facility Identification: Enviro-Safe Consulting, LLC.
dBA Enviro-Safe Resource Recovery
W130 N10500 Washington Drive
Germantown, WI 53022
EPA ID#: WIR000142877
WDNR FID #: 267193300

Geographical Coordinates: Latitude: 43.2079
Longitude: -88.07069

1A.8.3 SIC/NAICS Codes [NR 670.013(3)]

NAICS Codes: 541620: Environmental Consulting Services
562211: Hazardous Waste Treatment and Disposal
562219: Nonhazardous Waste Treatment and Disposal
562998: Tank Cleaning and Disposal Services, Commercial or Industrial

1A.8.4 Operator Information [NR 670.013(4)]

Operator Identification: Enviro-Safe Consulting, LLC.
dBA Enviro-Safe Resource Recovery
W130 N10500 Washington Drive
Germantown, WI 53022
(262) 790-2500

Ownership Status: Private Limited Liability Corporation, jointly owned Jeffrey Vilione and Dawn Zellmer-Vilione.

1A.8.5 Facility Owner's Information [NR 670.013(5)]

Facility Owner Identification: JDV Real Estate Holding, LLC.
W130 N10500 Washington Drive
Germantown, WI 53022
(262) 790-2500

Ownership Status: Private Limited Liability Corporation owned by Jeffrey Vilione

JDV Real Estate Holding, LLC. is the legal entity that owns the property and building. Enviro-Safe Consulting, LLC (dBA Enviro-Safe Resource Recovery) is the entity that leases the property and building which directs the daily operations at the site.

1A.8.6 Indian Land [NR 670.013(6)]

The facility is not located on Indian lands.

1A.8.7 Facility and Application Type [NR 670.013(7)]

The facility was originally built in 2012 for the operation as a solid waste processing facility, hazardous waste 10-day transfer facility, used oil marketer/processor, universal waste handler, hazardous secondary materials and solvent continued use storage and consolidation. Since 2002, the facility continues to operate in this manner.

Enviro-Safe recently constructed a new addition (completed in November-2021) to its original building that will continue to be used for these purposes. Certain parts of the original facility and parts of the recently-expanded facility are proposed to be licensed for hazardous waste storage and treatment. The location and borders of the original building and the 2021 addition are shown on Drawings and Maps - Facility Map [Appendix G-04].

This FPOR is associated with the initial application as a fully licensed, "Part B" hazardous waste TSD facility under NR 664 and 670.

1A.8.8 Hazardous Waste Type, Quantity and Processes [NR 670.013(10)]

The Part A Application [Appendix C] identifies hazardous waste, listed or designated under NR 661, to be stored or treated (fuel blending) along with estimated quantities. The license exempt processes within hazardous waste storage areas include hazardous waste bulking, consolidation, elementary neutralization, lab pack repackaging and aerosol puncturing. Hazardous waste storage, treatment and processing activities are described in Section 1A.8.10. Solvent continued use activities are described in Section 1A.8.9.1.

For a list of waste that will not be accepted at the facility, see the Waste Analysis Plan [Appendix H].

1A.8.9 Current Facility Information [NR 670.013(8)]

1A.8.9.1 Overview

This section describes waste operations currently being conducted at the facility located at W130 N10500 Washington Drive in Germantown, Wisconsin. This includes licensed solid waste storage and processing, used oil marketer/processor, universal waste handler, hazardous waste 10-day transporter license, hazardous secondary materials and solvent continued use storage and consolidation activities. These operations are conducted in the original building and the 2021 addition, and will continue as described herein after hazardous waste licensing occurs.

The Facility Map [Appendix G-04] illustrates the location of the warehouses and above ground storage tanks. The warehouses and above ground storage tanks are currently used for these activities are referred to as the following:

- Laboratory (Not a state certified or registered laboratory)
- RM 124 - Staging and Container Storage
- RM 125 - Container Storage
- RM 126 - Container Storage and Consolidation
- RM 127 - Container Storage, Bulking, Consolidation and Lab Pack/Repacking
- T01 and T02 - Above Ground Storage Tank Storage (Outside)
- T07 thru T10 - Above Ground Storage Tank (Indoors in RM127)

The facility handles usable products that may be legitimately reused (expired or off-spec chemical products or solvent continued use) and are not deemed a solid waste or hazardous waste. If the material is determined to be a usable product and not a waste, as part of the profile and approval process, the material will be identified as such. The profile contains details regarding the chemical product or solvent continued use specifications. In addition, the generator may provide a Safety Data Sheet (SDS) or equivalent, sample of the material, or a Certificate of Analysis (COA) which provides additional information which may be provided to qualify the chemical product or solvent continued use for the end-user and assist in re-sale. A Certificate of Analysis (COA) is a document that provides verified information on key characteristics of the chemical product (such as appearance, pH, flashpoint, etc.) for the end user. If the material is solvent continued use, as part of the profile and approval process, the material will be identified how it will be reused, location of generator, amount to reused, etc. Enviro-Safe requires that a certificate of re-use is issued by the receiving facility. This is maintained in the facility's operating record such that the specific generator loads can be identified and documented as having been reused. The certificate can be provided to the generator upon request.

1A.8.9.2 Laboratory

The facility currently has a laboratory that is used to assist in fingerprint analysis for the receipt of waste. In general, the process includes the sampling of incoming waste containers and the laboratory analysis of these samples for specific parameters against the acceptable criteria identified in the Waste Analysis Plan [Appendix H] to make a comparison for the received waste against the information provided on the profile and the historical receipts of the material to identify any discrepancies. The on-site laboratory is not a certified laboratory (can perform testing on compliance samples for other facilities) or an NR 149 registered laboratory (performs testing on their own samples only).

1A.8.9.3 RM 124 - Staging

The containers present in the staging area (southeast corner of the RM 124 Warehouse) become present as the result of unloading trucks of received waste and materials. The containers are palletized or temporarily held directly on the floor (depending how the containers are received from the customer) with adequate space being left between containers to facilitate container sampling and inspection (approximately 2 feet). Preferably containers are singled stacked. However, secondary containment in the area is sufficient to allow for double stacked containers. Receiving personnel inspect the integrity of each container. If a leaking container is detected, immediate action is taken to mitigate the leak to the extent possible and the container is overpacked.

The labels on each container will identify the regulatory status of the containers (e.g., which containers are solid waste, solvent continued use materials, universal waste, used oil, or containers that are in 10-day transportation.) The receiving personnel will review the label and check the containers into the internal waste software system where a unique tracking number is assigned and identified on each container. Labels with the unique identification number will be generated from the software system and affixed to the container in addition to the other labels. The container is then tracked via the internal software system.

The container contents of solid waste, used oil, universal waste, and solvent continued use are screened, sampled, fingerprinted and analyzed as required under the Waste Analysis Plan [Appendix H] with the results documented on the Container Inspection Form which is contained within the Waste Analysis Plan [Appendix H]. Acceptable containers are palletized (if needed) and moved to a designated container storage area for future processing or off-site shipment. Non-conforming containers (typically for waste not matching the approved profile) are quarantined and labeled as "Non-Conforming Material" with the date. The container is moved to the designated hold area. A discrepancy report is entered into the waste tracking system by the receiving personnel and distributed internally for resolution. Under typical circumstances, the non-conformance is resolved within thirty (30) days or less. Non-conformances that cannot be resolved within this time period is brought to the attention of the Operations Manager.

The container contents of hazardous waste received under the hazardous waste (10-day) transfer license are not opened or fingerprinted unless consolidating the contents of two or more containers with the same hazardous waste into a new container or when combining and consolidating or bulking different hazardous wastes. The new container will be labeled with the verbiage "Hazardous Waste", EPA ID Number of the Generator, and the EPA Waste Codes. A note is added to the manifest in Section 14 for the respective line item to indicate the revised number of containers and container type after consolidation has occurred.

If the solvent continued use material is scheduled to be received by tanker truck and pumped into an above ground storage tank, the tanker truck is staged in one of the outside tanker filling pad areas on the east side of the building. The receiving personnel verifies the solvent continued use material to be received and takes a composite sample of the tanker material. The appropriate incoming waste evaluation and compatibility testing is conducted. The results are documented on the Container Inspection Form which is contained within the Waste Analysis Plan [Appendix H]. If the sample passes the testing, the tanker is approved for unloading activities into the above ground storage tanks. The transporter shall prepare the truck for transfer operations utilizing the Unloading/Loading Procedure Form [Appendix X] and connect

to one of the storage tanks in conjunction with site personnel instructions. Once the tanker volume is transferred into the above ground storage tank, transfer operations are completed and all connections are removed. Upon notification from site personnel, the tanker truck is authorized to leave the property. If the sample fails, the material cannot be unloaded. The Technical Service Manager and Operations Manager are notified immediately for further direction.

1A.8.9.4 RM 124 - Container Storage

The RM 124 warehouse is currently being used for storage of non-hazardous solid waste and universal waste. The stored containers are palletized with a minimum aisle space of 3 feet between rows with painted lines on the floor to ensure adequate aisle space is maintained. Containers managed in the storage area includes various sizes from less than one-gallon containers to 330-gallon totes. The typical types of waste being stored includes solid waste, used oil, universal waste and e-waste streams. Typically, containers are doubled stacked.

1A.8.9.5 RM 125 - Container Storage

The RM 125 warehouse is currently being used to store solid waste which is DOT hazardous materials or hazardous waste associated with the hazardous waste 10-day transportation license held by the facility. NR 663.12 allows transporters to store hazardous waste for a period of up to 10-days and then ship it off-site for proper disposal to the designated facility.

The containers stored are palletized with a minimum aisle space of 3 feet between rows with painted lines on the floor to ensure adequate aisle space is maintained. Containers managed in the storage area includes various sizes from less than one-gallon containers to 330-gallon totes. The typical types of hazardous waste being stored includes characteristic waste (D001, D002, D003, and D004-D043) and listed waste (F, K, P or U codes) waste streams. Typically, containers are doubled stacked. When containers of incompatible waste become present segregation and isolation by the use of pallet and spacing is utilized [Part 2: Section C - Container Standard - Incompatible, Reactive, Ignitable Waste]. The typical types of hazardous waste to be stored includes flammable, corrosives, toxics, and oxidizer waste streams in small quantities.

The 10-day hazardous waste consolidation is performed within the RM 125 warehouse. The operation of consolidation is the practice of combining the same profiled compatible hazardous wastes from smaller containers into larger containers. For liquid or solid 10-day hazardous waste being consolidated into another container, containers are emptied into larger containers by manual pouring. Minor changes to the container number and container type are indicated on the manifest.

1A.8.9.6 RM 126 - Container Storage and Consolidation

The RM 126 warehouse is currently being used for the storage and consolidation of solvent continued use material (which can continue to be used for its intended purpose by another user) or the consolidation of 10-day hazardous waste.

The solvent continued use containers received are profiled and affixed with a label that meets the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard requirements under 1910.1200(f) for hazardous materials. In addition, a Safety Data Sheet (SDS) for the material received is also provided by the generator and on file with the facility that

meets the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard requirements under 1910.1200(g). The containers stored are palletized. A minimum aisle space of 3 feet is present between the rows and painted lines on floor ensure adequate aisle space is maintained. Containers managed in the storage area are typically 55-gallon drums, 275-gallon totes or 330-gallon totes and double stacked. The consolidation operation consists of pumping the contents of portable containers into the outside above ground storage tanks, or into a tanker, or into another container. Prior to the receipt of material, the Technical Service Manager identifies inbound material that are acceptable as the result of the material profile review process conducted under the Waste Analysis Plan [Appendix H]. Upon receipt, the material is sampled and analyzed for acceptability. Acceptable containers are moved to the specific container storage area for future bulking or off-site shipment.

Once approximately 6,000-gallons of solvent continued use material is accumulated on-site in the storage area or above ground storage tank, an outbound shipment is scheduled. In preparation for the shipment, it is determined what containers shall be shipped, if the containers will be pumped into a tanker truck and shipped, or if material stored in the above ground storage tanks will be pumped into a tanker truck and shipped.

If containerized solvent continued waste material is to be shipped, pre-selected stored containers are selected from inventory for the outbound shipment. Trucks are loaded at Docks #2, #3 or #4 on the eastside of the building. Prior to the start of the loading process, the driver verifies the transporter vehicle wheels are chocked and that the secondary containment trench valve is in the closed position. Trucks are loaded using a forklift, pallet jack or drum cart. Dock plates are used to provide a stable transition between the trailer and dock. A bill-of-lading shipping document is prepared by the facility and completed prior to the transporter leaving the property for the designated facility. It is the typical practice of the transport vehicle to leave the property within 24-hours of the initiation of loading activities.

If containers will be pumped into a tanker truck and shipped, pre-selected stored containers are staged for pumping in RM 126. Adequate aisle space is left between every row of pallets to facilitate container sampling and pumping activities. A sample of each staged container is taken and then mixed in a manner to simulate the combined/commingled material [see Appendix H - Waste Analysis Plan for specific details] for compatibility verification. The results are documented on the container inspection form. If the sample passes the compatibility test, the batch is approved for bulking and shipment.

The vacuum tanker shall be staged in the outside tanker filling area on the east side of the building. The transporter shall prepare the truck equipment for the transfer operations utilizing the Unloading/Loading Procedure Form [Appendix X] and transfer to the tanker truck from the portable containers using hoses and a suction wand. Upon the completion of transferring activities, the tanker volume is verified and a composite sample of the material is taken and retained for QA/QC purposes. The results are documented on the container inspection form. A bill-of-lading is prepared by the facility and completed prior to the transporter leaving the property for the designated facility. It is the typical practice of the transport vehicle to leave the property within 24-hours of being loaded. The empty containers from the transferring activities are inspected to confirm that the containers are empty. Upon confirmation, the empty containers are placed onto a staged trailer for shipment to a drum recycler. If the compatibility

testing fails, the batch is not approved and cannot be shipped. The Technical Services Manager and Operations Manager should be notified immediately for further direction.

If material stored in the above ground storage tanks will be pumped into a tanker truck for shipment, the tank for which the material should be pump will be scheduled. The tanker truck shall be staged in one of the outside tanker filling areas on the east side of the building. The transporter shall prepare the truck equipment for the transfer operations utilizing the Unloading/Loading Procedure Form [Appendix X] and conduct the transfer operations via hoses provided by the transporter in conjunction with site personnel. Once the desired volume is transferred into the tanker, the tanker volume is verified and a composite sample of the material is taken and retained for QA/QC purposes. A bill-of-lading is prepared by the facility and completed prior to the transporter leaving the property for the designated facility. It is the typical practice of the transport vehicle to leave the property within 24-hours of being loaded.

The 10-day hazardous waste consolidation is performed within the RM 126 warehouse. The operation of consolidation is the practice of combining the same profiled compatible hazardous wastes from smaller containers into larger containers. For liquid or solid 10-day hazardous waste being consolidated into another container, containers are emptied into larger containers by manual pouring. Minor changes to the container number and container type are indicated on the manifest.

1A.8.9.7 RM 127 - Container Storage and Processing

The RM 127 warehouse is currently being used for the storage and processing of solid waste, storage and processing of used oil, and storage of universal waste as a small quantity handler. The facility stores and conducts solid waste consolidating/commingling/bulking activities to facilitate further off-site processing as allowed by the solid waste processing license held by the facility under NR 502. The facility collects used oil for the blending of the material to meet a specific fuel specification as allowed under NR 679. The facility accumulates less than 11,025 lbs. or less of universal waste (batteries, pesticides, mercury-containing equipment or lamps, calculated collectively) at any one time, and sends them off-site for recycling.

The containers stored are palletized with a minimum aisle space of 3 feet between rows with painted lines on the floor to ensure adequate aisle space is maintained. Containers managed in the storage area includes various sizes from less than one-gallon containers to 330-gallon totes. Typically, containers are doubled stacked. In addition, solid waste can be stored in one of the four inside 12,500-gallon above ground storage tanks with its own secondary containment located within RM-127.

The container processing includes the consolidation in other containers or the inside 12,500-gallon above ground storage tanks with compatible material. The operation of consolidation shall be the practice of combining compatible solid wastes from small to larger contains. Waste is received in various container sizes from one-gallon or less up to totes and cubic yard boxes, and in various forms (e.g., liquid and solids). The contents of these containers are then consolidated into larger containers or an above ground storage tank of like and compatible materials. For liquid waste being consolidated into another container, containers are emptied into larger containers by manual pouring. For liquid waste being consolidated into a above ground storage tank, containers are pumped into the storage tanks. For solid waste being

consolidated, containers are emptied into large containers by manual pouring. Once consolidated, the containers are shipped off-site for disposal. The contents in the above ground storage tanks are pumped onto a tanker truck and shipped off-site for disposal. Containers are kept closed and are open only when the waste is being placed into or taken out of the containers. When waste transfer activities are not being conducted, the container is kept closed. After the containers are deemed empty, they are either reused or sent-off site to a container recycler.

The process of lab packing/repacking shall be the practice of moving small waste containers into larger containers for which the small waste containers are not opened during the process and the contents of the smaller containers are not combined with the contents of any other containers. The lab packing/repacking operations shall be conducted within a designated area in the warehouse. During lab packing/repacking, adequate aisle space shall be left between every row of containers to facilitate container lab packing/repacking activities (approximately 2 feet). Containers will be orientated with the labels facing out to allow inspection of them. Preferably containers will be singled stacked. However, secondary containment in the area is sufficient to allow for double stacked containers. Waste is received in various container sizes from one-gallon or less up to totes and cubic yard boxes, and in various forms (e.g., liquid and solids). These containers are depacked and repacked into larger containers of like and compatible materials. Once repacked containers are full, they are sent off-site for disposal.

The proper personal protective equipment required to be worn during lab pack repackaging, bulking and consolidation shall be specified under the Personal Protective Equipment Plan [Appendix M].

1A.8.10 Proposed Hazardous Waste Processes and Design Capacity [NR 670.013(9)]

1A.8.10.1 Overview

This section describes hazardous waste-related operations to occur at the facility after the proposed hazardous waste storage and treatment license is issued. This includes licensed hazardous waste storage and treatment activities and associated hazardous waste license-exempt processing activities that do not require licensing but may occur within licensed areas. The storage and handling activities described for non-hazardous waste operations (solid waste processing, used oil marketer/processing, universal waste handler, solvent continued used storage and consolidation, and 10-day hazardous waste transfer facility) described in Section 1A.8.9 will continue to occur. For a list of waste that will not be accepted at the facility, see the Waste Analysis Plan [Appendix H].

Storage

The proposed licensed hazardous waste storage areas include:

- RM124. Original RM124 inside storage warehouse is proposed for solid and hazardous waste staging and hazardous waste licensed storage in addition to a designate area for 10-day hazardous waste.
- RM125. Original RM125 inside storage warehouse, including the 2021 addition, is proposed for licensed hazardous waste storage.

- RM126. Original RM126 inside storage warehouse is proposed for licensed hazardous waste storage.
- East Loading Docks. Original outdoor and uncovered East Loading Dock Area (east of RM 124 and RM 125) is proposed for hazardous waste storage (when needed for outbound fuel-blending tankers). These are identified as Loading Docks #2, #3 and #4.
- Tanker Filling Area Pads. Original outside and uncovered tanker filling area pad, including its 2021 addition, which is capable of accommodating two tanker trucks (located east of outdoor tank farm) is proposed for hazardous waste storage (when needed for outbound fuels-blending tankers). These are identified as Tanker Filling Pads #1 and #2.

Processing

The proposed hazardous waste license-exempt processing activities include:

- Consolidation into Containers (RM125 and RM 126)
- Elementary Neutralization (RM126)
- Lab Packing/Depacking (RM125 and RM126)
- Aerosol Can Puncturing (RM125 and RM126)

Treatment

The proposed licensed hazardous waste treatment activities include:

- Fuel Blending (RM 126)

1A.8.10.2 Scheduling of Inbound Containers

A software system is utilized by the site to manage the waste management process from order receipt to the shipment off-site. When an order is received, it is entered into the system as a Sales Order which identifies the generator, the profiles to be received and the anticipated quantities. If a profile has not been approved by Technical Services personnel or has expired, the profile cannot be included on a Sales Order or received. Once the Sales Order is finalized within the software, it is released for scheduling and can be received by the facility.

Released Sale Orders are routed to the Unscheduled Sales Order Report which is utilized by the Transportation Coordinator to schedule shipments into the facility. The Transportation Coordinator schedules the inbound shipments to be received into the facility and issues the Schedule Load Report on a daily basis to the Receiving Operator. The report includes the transporter, generator, disposal facility, profile, profile description, anticipated quantity, and container type to be received. The report communicates to receiving personnel that the waste being received has been pre-qualified and approved for receipt and what to expect to be received at the facility on a specific day/time.

Transporters are required to check-in upon arrival at the site with a receiving operator to verify that they are expected through the Schedule Load Report and present their shipping documents for initial review. The shipment documents accompanying the container delivery are reviewed against the daily receipt schedule by the receiving operator. Waste deliveries are only unloaded if the delivery is scheduled. Only pre-approved waste (with approved profiles) deliveries (wastes

with approved profiles) are allowed to be scheduled and received at the facility. If a waste is present on the truck that is not pre-approved by the facility, it will not be unloaded.

1A.8.10.3 Receiving (Unloading) of Inbound Containers

For containerized waste (as defined under the definitions), upon notification by the receiving operator, the transporter will be directed to the designated loading dock (Dock #2, #3, or #4) on the east side of RM 124 and RM 125 as shown on Facility Map [Appendix G-04]. Prior to the start of the unloading process, the driver backs up their truck to the loading dock and wheels are chocked. It is the responsibility of the receiving operators to verify the secondary containment trench valve is in the closed position and the wheels on the transportation vehicle to be unloaded are chocked prior to the unloading process. Trucks are unloaded using a forklift, pallet jack or drum cart. Dock plates are used to provide a stable transition between the trailer and dock.

The containers being unloaded vary in size from one-gallon or less and up to 330-gallon totes and in various types of containers. While being unloaded the container will be weighted and the amount recorded on the container itself. The unloaded containers will then be put into the Staging Area (RM 124) as shown on Facility Map [Appendix G-04] on pallets or directly on the floor. If during the unloading of the transportation vehicle it becomes known that a container is leaking, it will be immediately addressed prior to being put into the Staging Area. Upon conclusion of the unloading process from the transportation vehicle, receiving personnel shall release the transportation vehicle.

For tankers of hazardous waste under the license, upon notification by the receiving operator, the transporter will be directed to the designated loading dock (East Docks #2, #3, or #4) or Tanker Filling Pads #1 and #2 shown on Facility Map [Appendix G-04]. Prior to the start of the unloading process, the driver parks the truck and the wheels are chocked. It is the responsibility of the receiving operators to verify the secondary containment trench valve is in the closed position and the wheels on the transportation vehicle to be unloaded are chocked prior to the unloading process. Prior to unloading hazardous waste, the waste is screened, sampled and analyzed for acceptability. The results are recorded on the Container Inspection Form which is part of the Waste Analysis Plan [Appendix H]. Once deemed acceptable, the unloading process shall consist of pumping the contents of the tanker truck into empty portable containers staged in RM 126. The vacuum tanker is equipped with all necessary transfer equipment (i.e., filter, transfer hoses, fittings, transfer wand) required for transferring operations. Once a container is deemed full, they will be labeled and moved to a designated container storage area. Additional details regarding the receiving process can be found under Procedure, Structure and Equipment Description Preventing Hazards in Unloading Operations (Section 1A.11). The facility will not receive hazardous waste in tankers under the 10-day transfer facility license.

For solvent continue use material, upon notification by the receiving operator, the transporter will be directed to the designated loading dock (East Docks #2, #3, or #4) or Tanker Filling Pad #1 and #2 shown on Facility Map [Appendix G-04]. Prior to the start of the unloading process, the driver parks the truck and the wheels are chocked. It is the responsibility of the receiving operators to verify the secondary containment trench valve is in the closed position and the wheels on the transportation vehicle to be unloaded are chocked prior to the unloading process. Prior to unloading solvent continue use material, the waste is screened, sampled and

analyzed for acceptability, which may include compatibility testing if the incoming material is being pump into an outside above ground storage tanks that contain material that will be commingled with the incoming load. The results are recorded on the Container Inspection Form which is part of the Waste Analysis Plan [Appendix H]. Once deemed acceptable, the unloading process shall consist of pumping the contents of the tanker truck into empty portable containers staged in RM 126 or an outside above ground storage tank. The vacuum tanker is equipped with all necessary transfer equipment (i.e., filter, transfer hoses, fittings, transfer wand) required for transferring operations. Once a portable container is deemed full, it will be labeled and moved to a designated container storage area. Additional details regarding the receiving process can be found under Procedure, Structure and Equipment Description Preventing Hazards in Unloading Operations (Section 1A.11).

1A.8.10.4 Inspection of Incoming Containers and Container Contents

The containers that have been unloaded and received into the RM 124 Hazardous Waste Staging area from off-site generators must be inspected, accepted, and moved into a hazardous waste licensed storage area within 24-hours of the hazardous waste arriving at the facility. The inspection of containers shall be conducted to confirm that the number and type and sizes of containers is consistent with the manifest, confirm that the container is in good condition, verify that any labels are accurate, and confirm that the material being received is the material that was profiled and pre-approved for acceptance. The receiving package (shipping documents and Container Inspection Form in the Waste Analysis Plan [Appendix H] is used to facilitate the container inspection process.

Manifest and Shipping Documents

Each container of hazardous waste received must be identified on a uniform hazardous waste manifest (NR 664.0070) unless shipped by a very small quantity generator. It should be noted that in Wisconsin if a VSGQ ships waste on a manifest, they must have an EPA ID number. A bill of lading may be used for VSQGs if a manifest is not required by the final destination facility which could be Enviro-Safe or another facility. It should be noted that when a generator is set-up in the waste management software system, a generator's hazardous waste status is verified utilizing the EPA e-Manifest or the appropriate state database. The manifest, LDR and other shipping documents applicable to the shipment is contained within the receiving package. Once the transportation vehicle is unloaded, the information present on the shipping document will be verified against the actual physical containers received which includes the actual number of containers and the container type and sizes. The profile description and profile number (which is included in Section 14 of the manifest) shall be checked against the Scheduled Load Report to ensure that only the anticipated waste to be received is being received. In addition, the labels physically on the containers shall be compared against the shipping document to ensure they are representative and accurate. Once the information is verified and found to be accurate, it is confirmed within the waste management software system and the Container Inspection Report and unique container identification number labels/barcode are generated and included as part of the receiving packet.

Significant manifest or shipping document discrepancies discovered during the container inspection process (e.g., difference between the quantity or type of hazardous waste designated on the manifest or shipping paper and the quantity or type of hazardous waste a facility actually receives, 10% or more variation in the quantity manifested and the amount

actually received) will be reconciled with the generator and documented within the waste management software system. A Discrepancy Report will then be generated and routed to internal personnel and the generator. If the discrepancy cannot be resolved within 15 days after receiving the waste, notification to the WDNR is required.

Containers

Incoming containers may be new, used, and/or reconditioned and must meet the applicable U.S. Department of Transportation (DOT) regulations for packaging of hazardous materials in transportation. Generators shipping waste to the facility are required to place waste in containers that are constructed and/or lined with materials that are compatible with the waste. During container inspection, containers are visually inspected to ensure they are in good condition (e.g., free of severe rust, structurally sound, have no major dents, have no visible holes, gaps or other open spaces with special attention to the covers, gaskets and closure devices) and that no damage occurred during transportation. If during the container inspection, it becomes known that a container is compromised or became compromised, the facility shall make every effort to repair the defect to a satisfactory state as soon as possible after detection. If the container cannot be repaired, then the hazardous waste will be repackaged into an acceptable container or overpacked. When a container inconsistency is identified, it will be documented within the waste management software system. A Discrepancy Report will then be generated and routed to internal personnel and the generator.

Labels and Markings

Each container being received should have previously been marked and labeled by the generator in accordance with DOT regulations (identification number, proper shipping name, diamond-on-point sticker, etc.) and other hazardous waste specifications (waste description, profile, number, customer name/address, etc.) applicable to the container type and size. However, receiving personnel will verify the labeling on the container reflect the actual profile being received. If the label on the container is incorrect, the incorrect label will be removed and the correct label will be printed and affixed to the container. If additional other labels (such as old or inaccurate labels or labels with superfluous information) are present on the containers, they will be removed or sprayed out to avoid confusion with the correct labels. For bulk tankers, the same labeling requirements apply and will be deployed.

In addition to the markings and labels affixed to the container by the generator, at the time of receipt a unique container identification number label/barcode will be affixed to the container that correlates to the container number identified on the Container Inspection Form. The label shall include the word "Hazardous Waste" and contain the unique container identification number, generator name and address, profile number and description, internal approval code, treatment code, inventory date, incoming manifest number and DOT proper shipping name. The label shall be affixed to each individual container and will be the tracking mechanism utilized for the container moving forward within the facility.

Container Contents

After the containers are counted and confirmed to match the manifest and be in acceptable condition, receiving operators or laboratory chemist/technician [see Waste Analysis Plan in Appendix H for specific details] that are properly trained shall conduct the applicable waste evaluation procedures to appropriately accept and handle wastes delivered to the facility in

accordance with the Waste Analysis Plan [Appendix H] for containers in the Hazardous Waste Staging Area (RM 124). The Level I analysis is conducted to validate that the waste received matches the waste information profile. The Level I analysis is documented on the Container Inspection Form contained in the Waste Analysis Plan [Appendix H]. At a minimum, physical state, color, odor, viscosity, pH and flashpoint will be analyzed and recorded on the Container Inspection Form. Additionally, analysis that may be performed include water reactivity, reactive sulfides, reactive cyanides, oxidizers, suspended solids, and chlorine. Samples will be taken in accordance with the Waste Analysis Plan [Appendix H]. Containers pending the lab results will remain in the staging area until results are completed and the containers are approved by the receiving operator or laboratory chemist/technician. The Container Inspection Form shall be included with the receiving packet and will be also used to document information for the facility's operating record as part of the container inspection process.

If the waste is found to not conform to the approved profile, the container will be labeled "Non-Conforming Material" with the date and moved to designated hold/quarantine area in RM 124 depicted on the Container Storage Map [Appendix G-08]. Significant waste discrepancies (i.e., profiled waste not matching the waste actually received) discovered during the container inspection process shall be attempted to be resolved with the waste generator or rejected within 15-days. During this time period the rejected load containers shall be maintained in a designated hold area within RM 124 and clearly labeled as "non-conforming material" or "rejected material" with an identification label. The discrepancy and resolution will be documented in the waste management software system as part of the facility's operating record. If the discrepancy cannot be resolved within 15 days after receiving the waste, notification to the WDNR is required. The discrepancy and resolution will be documented in the software system as part of the facility's operating record.

Once the container passes the required incoming waste evaluation and is approved by receiving operators and laboratory chemist/technician and the results have been recorded on the Container Inspection Form, the container weight and storage location shall be entered into the software system and the container will be accepted into inventory. The container shall then be physically moved from the Hazardous Waste Staging Area (RM124) to the designated hazardous waste storage location. The container is now managed as an inventory item moving forward. The uniform hazardous waste manifest shall be signed within twenty-four (24) hours of the hazardous waste arriving at the facility and the receiving package (which includes a combination of the dispatch ticket, shipping document, LDR, container inspection form and discrepancy report depending on what is applicable to the shipment) shall be scanned and electronically maintained within the software system as part of the facility's operating record.

1A.8.10.5 Hazardous Waste Licensed Storage Areas

General Container Storage in RMs 124, 125, 126

Containers stored in the hazardous waste licensed storage areas shall be stored on pallets with the label facing outward towards the aisle to allow inspection of them. If there are smaller containers on the same pallet and they are manifested as identical containers and their contents are the same (e.g., a pallet of 5-gallon containers of a single off-spec product, batteries), then only the outside containers need to be visible from the aisle while in storage. The containers on the pallet may be banded or shrink wrapped. If containers are banded or

shrink wrapped, additional labels will be affixed to ensure the items are identifiable. A minimum aisle space of 3 feet (see Section 1A.20 Preparedness and Prevention - Required Aisle Space) will be present between the rows and painted lines on the floor will be used to ensure adequate aisle space is maintained. Containers managed in the storage areas include various sizes of less than one-gallon containers to 330-gallon totes. The typical types of hazardous waste to be stored includes characteristic waste (D001, D002, D003, and D004-D043) and listed waste (F, K, P or U codes) waste streams.

Containers may be double-stacked provided that the configuration is stable (i.e., containers will not readily fall off the pallet or damage the integrity of the containers or supporting structure). The lower containers must be able to support the weight of the above containers. The inspection of the containers cannot be impeded with stacking, and container labels must be easily viewed and inspected. All materials stored within the stacked containers must be compatible. Stacked containers must be supported by a pallet unless they are less than 5-gallons in capacity (in the top row) or totes (IBCs) with built-in pallets.

The facility shall conduct daily visual inspection of the hazardous waste licensed container storage areas to identify and correct any deficiencies. Details of this inspection are described in the Total Preventative Maintenance and Inspection Plan [Appendix I]. The inspection shall be documented and conducted in accordance with the Total Preventative Maintenance and Inspection Plan [Appendix I].

The warehouses where storage occurs have sufficient lighting (10 lumens or more per square foot per OSHA general requirements for warehouses) and do not have any particular dark corners or shadowed areas. In addition, the warehouse walls are painted white to provide for good overall visibility and good housekeeping ensure the warehouse is not dark or dingy in any manner.

The inventory at the facility is monitored on a daily basis through inventory reports that are generated from the waste management software system. The inventory reports contain information such as unique container identification number, profile number, descriptions, weight/volume, container type/size, storage location, date received, waste codes and can be generated by various parameters. Once inventory amounts are accumulated on-site in storage to fill transportation vehicles or is economically feasible, an outbound shipment process is initiated through the software system. Inventory reports will be created and reviewed daily to ensure that license storage limits are not exceeded.

Additional information on the storage of incompatible, reactive and ignitable waste can be found under Container Standard – Incompatible, Reactive, Ignitable Waste (Part 2: Section C).

Additional information on the secondary containment of the storage areas can be found under Container Standard - Containment (Part 2: Section B).

Hazardous Waste Licensed Storage - RM 124 Warehouse

The RM 124 is being proposed for receiving, staging and hazardous waste licensed storage. The two types of storage shall include (1) staged waste (inbound waste), (2) hazardous waste

licensed storage, (3) quarantined containers, (4) 10-day transfer facility hazardous waste, and (5) staged outbound containers as shown on the Container Storage Map [Appendix G-08],

The containers stored in RM 124 shall be in accordance with General Container Storage (Part 1: Section 1A.8.10.5). Preferably, containers will be singled stacked. However, secondary containment in the area is sufficient to allow for double stacked containers. The Container Storage Map [Appendix G-08] illustrates the container storage layout for the RM 124 Staging and Hazardous Waste Licensed Storage. Containers in storage status will be kept clearly separated from staged containers (inbound or outbound), quarantined containers and 10-day transfer facility hazardous waste. All acceptable waste types may be stored in RM 125 in accordance with the storage parameters identified under Container Standard - Incompatibles, Reactive, Ignitable Waste (Part 2: Section C).

Hazardous Waste Licensed Storage - RM 125 Warehouse

The RM 125 warehouse is being proposed for hazardous waste licensed storage. The southern part of RM 125 is in the original building and has been expanded into an adjacent newer building area to the north. The typical types of hazardous waste to be stored includes characteristic waste (D001, D002, D003, and D004-D43 codes) and listed waste (F, K, P or U codes) waste streams that are suitable for fuels blending. The containers stored in RM 125 shall be in accordance with General Container Storage (Part 1: Section 1A.8.10.5). Containers may be double stacked and the secondary containment in the area is sufficient to allow for double stacked containers. The Container Storage Map [Appendix G-08] illustrates the container storage layout for the RM 125 Hazardous Waste Licensed Storage. A section of RM 125 has been designated for lab pack repacking as depicted on the Container Storage Map [Appendix G-08]. This process is described in Hazardous Waste License Exempt Process – Lab Packing Repacking (1A.8.10.6). The designated section of RM 125 may be used for other storage when not in use for lab packing repackaging operations.

A section of RM 125 has been designated for incompatible waste storage. The containers of incompatible waste stored in the designated licensed storage area for incompatibles as depicted on the Container Storage Map [Appendix G-08] will be palletized and stored on containment pallets. The typical types of incompatible waste to be stored includes corrosives (D002), reactivities (D003), toxics, and oxidizers waste streams. Incompatible waste will be segregated and isolated by the use of containment pallet and aisle spacing. Only compatible wastes and materials will be stored within any containment pallet. In addition, labels and signage will be used to identify the hazards and incompatibilities. Refer to Container Standard - Incompatibles, Reactive, Ignitable Waste (Part 2: Section C) for additional details regarding incompatible wastes. In circumstances when the designated area is not large enough and additional space for incompatible waste storage is needed, a larger area of RM 125 may be utilized using the same controls. The designated section of RM 125 may be used for compatible wastes when not in use for incompatible wastes storage. All acceptable waste types may be stored in RM 125 in accordance with the storage parameters identified under Container Standard - Incompatibles, Reactive, Ignitable Waste (Part 2: Section C).

Hazardous Waste Licensed Storage - RM 126 Warehouse

The RM 126 warehouse area is being proposed for hazardous waste licensed storage in an original section of the building. The typical types of hazardous waste to be stored includes

characteristic waste (D001, D002, D003, and D004-D43 codes) and listed waste (F, K, P or U codes) waste streams that are suitable for fuels blending. The containers stored in RM 126 shall be in accordance with General Container Storage (Part 1: Section 1A.8.10.5). Palletized containers may be double stacked and the secondary containment in the area is sufficient to allow for double stacked containers. The Container Storage Map [Appendix G-08] illustrates the container storage layout for the RM 126 Hazardous Waste Licensed Storage. The RM 126 warehouse has been designated for fuel blending as depicted on the Container Storage Map [Appendix G-08]. This process is described under Hazardous Waste License Treatment - Fuel Blending (Part 1: Section 1A.8.10.7). However, the warehouse may be used for other storage when not in use for fuel blending activities. The storage that will not be permitted in RM 126 will include waste with DOT classes for Poisonous Gas Zone A (2.3), Poisonous Gas Zone B (2.3), Oxidizers (5.1), Organic Peroxides (5.2), Poisonous Liquids PG I Zone A (6.1) and Corrosive Liquids (8). All acceptable waste types may be stored in RM 125 in accordance with the storage parameters identified under Container Standard - Incompatibles, Reactive, Ignitable Waste (Part 2: Section C).

Hazardous Waste Licensed Storage - East Loading Docks #2, #3 and #4

The East Loading Docks are being proposed for hazardous waste storage within three semi-trailers or tanker trucks. The area is uncovered with secondary containment present. The Container Storage Map [Appendix G-08] illustrates the container storage layout of the tankers and identifies Loading Docks #2, #3 and #4 which are located on the east of RM 124 and RM 125.

Hazardous Waste Licensed Storage - Tanker Filling Area Pads #1 and #2

The Tanker Filling Area Pads are being proposed for hazardous waste storage for two tanker trucks. The area is uncovered with secondary containment present. The Container Storage Map [Appendix G-08] illustrates the container storage layout of the tankers and identifies Tanker Filling Area Pads #1 and #2 which are located east of the outdoor tank farm.

1A.8.10.6 Hazardous Waste License Exempt Processes

Hazardous Waste License Exempt Process - Consolidation into Containers

Waste is received in various container sizes from one-gallon or less up to totes and cubic yard boxes, and in various forms (e.g., liquid and solids), The contents of these containers are then consolidated into larger containers of like and compatible materials having the same DOT hazard classes. For liquid waste being consolidated, containers are emptied into larger DOT approved containers by manual pouring. Once consolidated, the container is either treated on-site by the means of fuel blending, elemental neutralization or shipped off-site for disposal. For wastes that are solid in form (or otherwise not pourable) that are being consolidated, containers are emptied into DOT approved lined cubic yard boxes using a drum tipper attached to a forklift and scraped out or by the means of manually emptying for lighter-weight containers. Empty containers are managed in accordance with Empty Container (Part 1: Section 1A.8.10.12). Containers are kept closed in accordance with NR 664 Subch. CC regulations and are open only when waste is being placed into or taken out of the containers. When waste transfer activities are not being conducted, the container is kept closed. After the containers are determined to be RCRA empty, they are either reused (for compatible materials) or sent-off site to a container recycler. Non-RCRA empty containers that held hazardous waste are sent off-site

for proper disposal as a hazardous waste. Liners associated with cubic yard boxes are recycled or placed into a hazardous waste container to be properly disposed of off-site if RCRA empty. Consolidation into containers is conducted in RM 125 or RM 126. Hazardous waste received under the 10-day transfer facility license will not be consolidated.

The proper personal protective equipment required to be worn shall be specified under the Personal Protective Equipment Plan [Appendix M].

Additional detailed consideration and procedures can be found in Container Standard - Incompatibles, Reactive, Ignitable Waste (Part 2: Section C)

Hazardous Waste License Exempt Process - Elementary Neutralization

Neutralization is the combination of acids and bases to bring the pH of a solution to 4-10 with the intent to remove the characteristic of corrosivity. Neutralization often involving more than one waste stream also constitutes consolidation. The state of the acids and bases in the neutralization process can be solid/liquid and product/waste depending on available materials. Neutralization shall be performed in RM 125 and RM 126 in an appropriate vessel that is compatible with the materials and the expected products. The most common vessel is a portable container either a drum or IBC/tote. The mixing process will be heavily dependent on the specific materials but a general procedure is described here.

Only two materials of known composition shall be mixed at a time. The relative strength based on ionization constants of the two materials will be determined based on literature and the weaker of the two shall be placed into the mixing vessel by decanting from the storage container manually or using a drum tipper. The storage container must be emptied until RCRA empty. If any solids or sludges are present after decanting, these should be removed using a scraper/spatula appropriate to the material being handled. Once the weaker material is in the vessel, the stronger material shall be added at a rate slow enough to prevent excessive reaction as the materials mix. The mixture may be stirred, using a stirring implement compatible with the added materials, as necessary to ensure complete reaction. Prior to being deemed completely reacted, the mixture shall be stirred a final time.

Excessive reaction would be violent bubbling to the point of vessel overflow, discharge from the vessel, or deformation of the vessel by heat. Additionally, the formation of hazardous gases and fumes will be considered excessive reaction and/or user error. Materials should be neutralized utilizing chemical pathways that avoid the formation of hazardous gases and vapor. Should a mixture react violently, cold tap water can be added to the vessel to both weaken the reaction and reduce the temperature of the reaction. If a material is water reactive then water should not be added.

Solids and/or sludges that are added to the vessel will need to be mixed using a stirring implement compatible with the added materials to ensure dissolution and complete neutralization.

The complete chemical reaction formula of a proposed neutralization must be known to ensure that any potential byproducts of a reaction are known prior to performing a neutralization. Some chemicals may form intermediates or by products that are water reactive or present

various hazardous during the course of a reaction. Knowing the reagents/reactants, reaction, and the products formed will prevent unwanted results. Compatibility testing will allow verification of reaction effects prior to container quantities being neutralized. Compatibility testing in the lab will also provide the rate of mixing for safe reaction.

Storage containers being decanted into a vessel must be emptied to the fullest extent possible to ensure the container is left RCRA empty. Once emptied fully, the container may be reused as a neutralization vessel, a bulking container, or sent off site for disposal/reconditioning.

The proper personal protective equipment required to be worn shall be specified under the Personal Protective Equipment Plan [Appendix M].

Additional detailed consideration and procedures can be found in Container Standard - Incompatibles, Reactive, Ignitable Waste (Part 2: Section C)

Hazardous Waste License Exempt Process - Lab Packing/Repacking

A lab pack consists of a DOT authorized outer packaging (49 CFR 173.12) containing two or more small containers of hazardous waste packed in non-biodegradable absorbent materials which are of the same hazard and are compatible. The operation of lab packing/repacking shall be the practice of removing the individual containers from the outer packaging and either consolidating compatible waste by either pouring/emptying the material into a container or repacking the unopened small container itself into a larger container. The lab packing/repacking operations shall be conducted in RM 125. The designated lab packing repackaging area within the warehouse depicted on the Container Storage Map[G-08]. During lab packing/repacking processing, containers will be single stacked, container labels will be visible, and adequate aisle space shall be provided to allow movement around the containers. The original as-received lab pack containers and post-processing larger containers shall be stored on containment pallets.

The proper personal protective equipment required to be worn shall be specified under the Personal Protective Equipment Plan [Appendix M].

Additional detailed consideration and procedures can be found in Container Standard - Incompatibles, Reactive, Ignitable Waste (Part 2: Section C)

Hazardous Waste License-Exempt Process - Aerosol Can Puncturing

The process of aerosol can puncturing shall be the practice of managing non-RCRA empty hazardous waste aerosol cans that will be stored prior to being punctured. Aerosol cans to be punctured will typically include an aerosol spray can that can no longer be used for its intended purpose and the contents are under pressure and are flammable. The aerosol can puncturing operations shall be conducted in RM 125 in the designated puncturing areas as depicted on the Container Storage Map [Appendix G-08]. The original as-received containers and post-processing collection container shall be stored on containment pallets. During aerosol can puncturing, adequate aisle space shall be left between every row of containers to facilitate puncturing activities (approximately 2 feet). Containers storing the aerosol cans to be punctured will be in containers that are structurally sound and compatible with the contents of the cans and will be orientated with the labels facing out to allow inspection of them.

Preferably containers will be singled stacked. However, secondary containment in the area is sufficient to allow for double stacked containers.

The puncturing and draining activities of the aerosol cans will be conducted using a device specifically designed to safely puncture aerosol cans and effectively contain the residual contents and emissions. During puncturing the liquid contained within the aerosol can is drained into a 55-gallon collection container, the air emissions are captured in the carbon filtering device, and the empty metal containers are collected and sent off-site for metal recycling. The liquid collected will generally be deemed hazardous waste and fuel blended on-site. The spent carbon filter device will be deemed hazardous waste (butane, propane) and will be placed in a zip lock bag that will be sealed and put into a hazardous waste container for disposal. The 55-gallon collection container will be grounded and bonded during active puncturing activities. The puncturing of the aerosol cans will be done in manner to prevent fires, reactions and to prevent the release of any component of the waste to the environment. Incompatible wastes will not be punctured into the same receiving container.

The proper personal protective equipment required to be worn shall be specified under the Personal Protective Equipment Plan [Appendix M].

Additional details consideration and procedures can be found in Container Standard - Incompatibles, Reactive, Ignitable Waste (Part 2: Section C)

1A.8.10.7 Hazardous Waste Licensed Treatment

Hazardous Waste Licensed Treatment - Fuel Blending

Fuel blending treatment shall be the combination of hazardous wastes and other materials to create a blend that meets a fuel specification which is amendable to burning for energy recovery. The fuel blending operations shall be conducted in RM 126 and consists of vacuuming the contents of portable containers into a tanker truck that is staged in one of the two outside tanker filling area east of the outside above-ground storage tanks (Tanker Filling Pads #1 and #2) or one of the three east loading docks (Loading Docks #2, #3 or #4) illustrated on the Container Storage Map [Appendix G-08]. The Container Storage Map [Appendix G-08] illustrates the container storage layout for the RM 124 Staging and Licensed Storage and also shows the location of the licensed tanker filler areas 1 and 2 and Docks #2, #3 and #4.

Waste is received in various container sizes from one-gallon or less and up to 330-gallon totes as waste streams. Prior to the receipt of waste, the Technical Service Manager identifies inbound material that are acceptable for on-site fuel blending as the result of the waste profile review process conducted under the Waste Analysis Plan [Appendix H]. Upon receipt, the waste is screened, sampled and analyzed for acceptability. The results shall be recorded on the Container Inspection Form which is part of the Waste Analysis Plan [Appendix H]. Acceptable containers shall be moved to a designated container storage area for future treatment prior to off-site shipment.

Once approximately 6,000-gallons of material is accumulated on-site in various container sizes in the hazardous waste licensed storage areas, a vacuum tanker will be scheduled to come on-site and be loaded for transportation of the outbound shipment. In preparation for the

shipment, pre-selected stored containers are staged for pumping in the RM 126. Temporarily adequate aisle space is left between every row of the pallets (at least two feet) to facilitate container sampling and pumping activities during the shift which will not exceed a 24-hour period. A sample of each staged container is taken and then mixed in a manner to simulate the combined/commingled material [see Appendix H - Waste Analysis Plan for specific details] to prevent the mixing of incompatible materials. If the sample passes the compatibility test, the batch is approved for shipment. If the samples fail the compatibility test, the batch is not approved and cannot be shipped. The Technical Services Manager and Operations Manager should be notified immediately.

The vacuum tanker is equipped with all necessary transfer equipment (i.e., filter, transfer hoses, fittings, transfer wand) required for transferring operations. The truck driver shall prepare the truck equipment for the transfer operations including grounding the unit. To transfer the waste from the portable containers, the vacuum truck hoses will be placed between the vacuum truck and RM 126 through the Overhead Door #5. The typical length of vacuum hoses is approximately 70 feet and would require only one hose from the RM 126 to the outside Tanker Filling Pad or to the east loading Docks #2, #3 or #4. The hose will be connected to the tanker truck using a coupler and to the transfer wand using a connector. Prior to the loading activities beginning, a visual inspection of all hoses, for leaks or wet spots will be conducted as part of the Loading/Unloading Procedure Form [Appendix X]. Each container is grounded and bonded during active pumping operations from the container to the tanker. The bung hole of the container is opened and the wand is inserted. Once the container is empty such that no additional waste can be removed by suction, the wand is removed, bung replaced and grounding clamp removed. This is repeated until the desired volume is accumulated in the tanker from the pre-staged containers. Containers are kept closed in accordance with NR 664 Subch. CC under Subpart CC Container Emission Control (Part 2: Section 2A.4) regulations and are open only when waste is being placed into or taken out of the containers. The tanker is equipped with a liquid level control that also measures the volume pumped. Upon completion, the residue within the hose is removed by suctioning the material into the tanker, the hoses are capped, and the transfer equipment (e.g., hoses, wand, filter) returned to the vacuum truck. Transfer equipment will not be retained at the facility.

The facility will take all measures necessary to prevent spills during the loading operation. It is not likely that the suction wand would cause routine spills during the loading operations based upon its operation in conjunction with the vacuum tanker. However, to eliminate or greatly reduce the possibility, upon removing the suction wand from the empty container, the operator will slowly pull the wand from the unit allowing the suction of the vacuum truck to remove all free liquid from the hose before completely removing the wand from the container and inserting it into the next container. At the tanker truck filling area, a drip pan will be placed below the hose connection during the connection, filling and disconnection process to capture any residual that may leak or spill. The driver shall not leave the tanker pump during the pumping process and shall remain within close proximity of the shutoff valve at all times. In addition, when an overflow alarm is not present on the tanker truck, the driver shall gauge the container during filling operations by monitoring the filling gauge on the vehicle and be in constant communication with the suction wand operator. Walkie talkies will be used during this process to facilitate communication between the transporter driver and the operator. The transfer hoses that are routed from the RM 126 to the outside tanker filling pad or loading dock

will be located on concrete or asphalt and will be inspected prior to use. The areas where the transfer hoses run will be inspected after operations are completed for any leaks or drips.

Upon the completion of transferring activities, the tanker volume is recorded and a sample of the material in the vacuum truck is taken and retained for QA/QC purposes for the receiving facility purposes. A uniform hazardous waste manifest is prepared by the facility and completed prior to the transporter leaving the property for the designated facility. It is the typical practice of the transport vehicle to leave the property within 24-hours of the start of loading operations. However, under non-routine circumstances, the transport vehicle may remain loaded and within the tanker filler area or loading dock for over 24-hours. These non-routine circumstances may include, but may not be limited to, transport vehicle break-down, inclement weather events and receiving facility cancellation. As a result, the two tanker fill areas and three loading docks shall also be licensed for hazardous waste storage.

During the transfer process, the waste shall be removed from the container to the extent possible using practices commonly employed to remove materials from the specific type of container such as pumping. Once the transferring processes is completed, additional removal efforts shall be performed on the container to achieve maximum possible waste removal [see Empty Container under Part 1 Section 1A.8.10.12].

The proper personal protective equipment required to be worn shall be specified under the Personal Protective Equipment Plan [Appendix M].

Additional detailed consideration and procedures can be found in Container Standard - Incompatibles, Reactive, Ignitable Waste (Part 2: Section C).

1A.8.10.8 Hazardous Waste Transshipment

Not all containers shipped to the facility are candidates for license exempt processing or treatment. Containers that remain in their original containers (i.e., that are not bulked, consolidated, repacked, punctured, fuel blended or neutralized on-site) shall be received and properly stored in RM 124, RM 125 or RM 126 until truck load quantities of the waste are accumulated or until it is economically feasible to ship the containers off-site. These wastes will be stored and shipped off-site in the original containers, which is referred to as "transshipment". Hazardous waste containers shall not be stored on-site in excess of 365-days from the day of receipt. See Outbound Shipments (Part 1: Section 1A.8.10.7) for further details.

Prior to transshipment containers being shipped off-site, the selected containers are retrieved from storage, staged in designated aisles(s) on pallets in the West area of RM 124 where they are kept separate from other containers as they are being prepared for shipment. Containers are visually inspected to ensure they are in good condition (i.e., free of severe rust, structurally sound, have no major dents, have no visible holes, gaps or other open spaces with special attention to the covers, gaskets and closure devices) and that no damage occurred during storage. If during the container inspection, it becomes known that a container is compromised or became compromised, it must be addressed prior to shipment.

1A.8.10.9 Hazardous Waste 10-Day Transfer License

Once the hazardous waste license is issued to the facility (after licensing), the majority of the hazardous waste currently being received under the hazardous waste 10-day transfer facility license will be transitioned to be received under the hazardous waste transporter, storage and disposal facility (TSDF) license over a period not to exceed six-months from the date the license was issued. It is anticipated that once licensed, over 99% of the hazardous waste received will be under the license conditions and not the 10-day transfer license. The hazardous waste 10-day transfer license will be used for exceptions or unusual circumstances.

The hazardous waste tankers received under the 10-day transfer license will not be stored in East Loading Docks #2, #3, or #4 or the Tanker Filling Pads #1 or #2. The hazardous waste containers (including but not limited to drums, totes, etc.) received under the 10-day transfer license will be stored in RM 124 in the designated area depicted on the Container Storage Map [Appendix G-08]. In addition, the hazardous waste received under the 10-day transfer license will be affixed with a sticker indicating "10-DAY LICENSE".

Once the hazardous waste license is issued to the facility and after the transition period is completed, the process of consolidation of 10-day hazardous waste will be ceased.

1A.8.10.10 Hazardous Waste Outbound Shipments

If containers are shipped off-site, the software system assigns a unique outbound load number to the shipment and pre-selected containers from inventory are chosen to create the load based upon material assigned processes and ultimate treatment method on a first-in first-out (FIFO) basis. The selected containers shall be retrieved from storage, staged in a designated aisle(s) on pallets in the West area of RM 124 where they are kept separate from other containers and as the containers are being prepared for shipment. Containers are visually inspected to ensure they are in good condition (i.e., free of severe rust, structurally sound, have no major dents, have no visible holes, gaps or other open spaces with special attention to the covers, gaskets and closure devices) and that no damage occurred during storage. If during the container inspection, it becomes known that a container is compromised or became compromised, it must be addressed prior to shipment.

The system will then generate the outbound shipping labels (unless tanker or other bulk container) and shipping documents (uniform manifest, non-hazardous waste manifest, bill-of-lading, etc.) for the load based upon the selected load inventory. The majority of the information on the shipping document will be pre-printed. Once the transportation vehicle is loaded, any missing information (such as container count and container type) on the shipping document will be completed and the document signed and/dated. Copies of the shipping documents shall be retained by the facility prior to the transporter leaving the property for the designated facility. The items shipped shall be removed from inventory. As history of an inventory items is retained in the software system for a minimum of 3-years from receipt until disposition for recordkeeping purposes.

The containers being loaded vary in the size from one-gallon or less and up to 330-gallon totes. Trucks are loaded at Docks #2, #3 and #4 on the eastside of the building. Prior to the start of the loading process, an operator shall ensure the transporter vehicle wheels are chocked and that the secondary containment trench valve is in the closed position. Trucks are loaded using a forklift, pallet jack or drum cart. Dock plates are used to provide a stable transition between the

trailer and dock. The containers being loaded vary in sizes however, the typical sizes are 55-gallons.

It is the typical practice of the transport vehicle to leave the property within 24-hours of the start of loading operation. However, under non-routine circumstances, the transport vehicle may remain loaded and within the loading dock area for over 24-hours. These non-routine circumstances may include, but may not be limited to, transport vehicle break-down, inclement weather events and receiving facility cancellation. As a result, Docks #2, #3 and #4 shall also be licensed for hazardous waste storage.

1A.8.10.11 Hazardous Waste Container Opening and Waste Transfers

The processes described here may occur in RM 124, 125 or 126, but not in other parts of the facility.

The containers of hazardous waste must be opened to conduct sampling or to transfer waste from one container to another. As a result of conducting these activities on site, volatile organic compounds (VOCs) can be reasonably expected to be emitted into the atmosphere. Therefore, controls are required to be implemented to eliminate or reduce VOCs from being emitted to the extent reasonably possible. The controls that will be employed by the facility include engineering controls, administrative controls and container controls, as discussed below.

The facility shall utilize Subpart CC Container Level 1 and Container Level 2 air pollutant emission controls depending on container size, volatile organics concentrations, and vapor pressure; waste stabilization does not occur. Container Level 1 controls require that the hazardous waste be stored in an approved Department of Transportation (DOT) container, a container equipped with a cover and closure devices for each opening, or an open-top container with an organic vapor-suppressing barrier. Container Level 2 controls require that the hazardous waste be stored in an approved DOT container, a container that operates with no detectable organic emissions, or a demonstrated vapor-tight container.

When in storage, all containers will be securely covered and properly closed. A container shall be deemed properly closed when:

- For liquid hazardous waste in closed-top drums, the drum is considered closed when the lid and bungs are secured.
- For liquid hazardous waste in open-top containers, the container is considered closed when the band that seals the lid to the containers is clamped or tightly bolted.
- For non-liquid hazardous waste in drums or other rigid containers, the container is considered closed if there is complete contact between the lid and the rim all around the top of the container.
- For hazardous waste in non-rigid containers (such as cubic yard boxes and gaylords), the container is considered closed when the neck of the inner bag is twisted shut and secured to create an airtight closure. A bag linear is also required to be used.

- For hazardous waste in containers with built-on funnels on the lids, the container is considered closed when a funnel is screwed tightly into the bung hole and the funnel's lid is firmly closed and latched. If the funnel lid is fitted with a locking mechanism that keeps the lid in a closed position, it shall be used at the end of the work shift or day to meet the closed container requirements. All other openings on the drum lid shall be properly closed or capped.
- For hazardous waste, pressure-vacuum relief valves are considered closed when (in addition to being they are properly designed) when they are maintained to prevent emissions when in the closed position.

When sampling, transferring waste or emptying waste from a container, it is conducted through normal container opening and closing devices for the container type (i.e. remove cover, remove cap, open box, etc.). The time period will be limited only to the time to conduct the actual sampling, filling and/or removing activity. Organic liquid wastes that are received in containers may also be transferred to a tanker truck for shipment for off-site processing. The transfer is done using a vacuum pump that is mounted on the tanker truck with the driver's associated equipment (i.e., hoses, fittings and filters) that is used for the shipment of the waste.

In order to minimize emissions, containers are kept closed unless sampling, filling or emptying container.

Container Filling - Continuous. When the facility fills a container to its intended final level during a continuous operation, it shall promptly secure the closure devices in the closed position or install all covers, as applicable to each container, upon conclusion of the filling operation.

Container Filling - Intermittently. When distinct quantities or batches are intermittently added to a container over a period of time, the facility shall promptly secure the closure device in the closed position or install covers, as applicable to each container, upon either the container being filled to the intended final level or the completion of a batch loading after which no addition material will be added to the container within fifteen (15) minutes, the person performing the loading operation leaving the immediate vicinity of the container or the shutdown of the process generating the material being added to the container, whichever condition occurs first.

Container Opening. Opening of a closure device or cover is allowed for the purpose of sampling or removing the contents from the container. When distinct quantities or batches of the contents are removed from the container but the container does not meet the conditions to be an RCRA empty container, the facility shall promptly secure the closure devices in the closed position and install covers, as is applicable to the container, upon the completion of a batch removal after which no additional material will be removed from the container within fifteen (15) minutes or the person performing the removal operation leaves the immediate vicinity of the container, whichever condition occurs first.

Container Opening - Hazardous Waste Empty Containers. Any container that meets the definition of a RCRA empty container will have the closure devices in the closed position or install all covers, as applicable to each container, during storage. If the RCRA empty container is open, it should be for a limited period (15 minutes or less).

Tanker Filling. When the facility fills a tanker truck, a vacuum is placed on the tanker unit which creates a suction on the loading hose causing the removal of the container contents. The waste in the tanker is completely sealed except when sampling the waste, determining liquid levels or when an over pressurized/vacuum condition becomes present. Tankers are filled and shipped to the receiving facilities within 24-hours.

It should be noted that spring loaded, pressure-vacuum relief valves, conservation vents or similar types of pressure relief devices which may be used and vent to the atmosphere will be designed to operate with no detectable organic emission when the device is secured in the closed position. The settings at which the device opens will be established such that the device remains in the closed position whenever the internal pressure of the container is within the internal pressure operating range determined based on container manufacturer recommendations, applicable regulations, fire protection and prevention codes, standard engineering codes and practices or other requirements for the safe handling of flammable, ignitable, explosive, reactive or hazardous materials.

RCRA-empty containers are sent off-site for recycling. When empty containers are generated from transferring wastes to bulk containers, the container is emptied as completely as possible using best industry standards (see Section 1A.8.10.12).

The facility has been designed for flammable liquid storage and transferring with extensive engineering controls. The storage areas are equipped with a fire alarm system, foam suppression system and gas detection system. A continuous mechanical exhaust ventilation system with a minimum six air exchanges per hour is present to prevent the accumulation of vapors.

The facility has implemented administrative controls to eliminate or reduce ignition sources that could become present. Therefore, open flames, hot surfaces, electric and static electric discharges and potential ignition sources are eliminated or minimized in the facility to the extent possible. In addition, when liquids are being transferred proper bonding and grounding techniques are utilized to eliminate the risk of electrostatic build up during transferring activities. Extensive employee training is conducted in the proper handling and transferring of materials (see Training and Competence - Appendix B Training Matrix [Appendix L]).

1A.8.10.12 Hazardous Waste Empty Containers

Empty containers are generated as the result of conducting license exempt processes and license treatment activities. For drums and other various sized containers, the container shall be inverted to allow for any further material (liquids and solid residue) to be removed from the container. If inversion does not remove the residual, they will be manually scraped from the container. If the container is closed top with only a bung hole available, the drum wand used for fuel blending associated with the tanker will be used to manually scrap the bottom of the containers. For IBC (totes), the containers shall be tilted and drained. If solids remain, they will

be manually scraped from the tote using non-sparking tools through the cap. The residue from containers will be drained into accumulation containers compatible with the waste for collection and proper disposal. The purpose is to remove the remaining hazardous waste to achieve maximum possible removal, not just to the one-inch residue on the bottom of the container or inner liner or 0.3% total capacity by weight if the container is less than or equal to 119 gallons in size or 0.3% total capacity by weight if the container is greater than 119 gallons in size. Once all common emptying practices have been employed and the container has been deemed RCRA empty and does not exceed the residue quantity limits, the container will be reused (only after confirming compatibility), or stored on a staged trailer to send off-site for recycling, or sent-off site for disposal.

1A.8.10.13 Licensed Design Capacities

The proposed facility maximum licensed storage capacity is 115,800-gallons of hazardous waste. The facility will not store more than the maximum storage quantities within each of the areas identified below. The proposed facility maximum licensed treatment throughput is 12,000 gallons per day (or 218 55-gallon equivalent containers per day) of hazardous waste.

Area	Use	Floor Area (sf)	Maximum Storage	
			55-Gal Equiv.	Gallons
RM 124	HW Staging/ Storage	4,646	616	33,880
RM 125	HW Storage	5,091	784	43,120
RM 126	HW Storage/Treatment	1,056	160	8,800
East Loading Docks	HW Storage	1,850	N/A	18,000
Tanker Filling Area #1	HW Storage	616	N/A	6,000
Tanker Filling Area #2	HW Storage	616	N/A	6,000
TOTALS		13,810	1,560	115,800
Maximum License Treatment: 12,000 gallons per day (or 218 55-gallons equivalent containers)				

1A.8.11 Federal and State Permits, Licenses and Approvals [NR 670.013(11)]

A list of all permits, licenses or construction approvals received or applied for under applicable federal and state regulations are listed below. Copies of these documents are provided in Federal and State Permits, Licenses and Approval [Appendix V]. The facility maintains all required federal and state permits, licenses and approval for the operations being conducted and in continued compliance with their requirements.

The site currently operates a solid waste processing facility and hazardous waste transfer facility. The site original was issued a license as a Solid Waste Transfer - Partially Exempt (<50 tons/day) (License #4464) in Sep-2012. That license was terminated in April-2015 and replaced with the current Solid Waste Processing Facility (License #4587). In addition, the site operates as a hazardous waste transfer facility, used oil marketer/processor, universal waste handler and a generator hazardous waste small quantity generator.

- WDNR Solid Waste Processing Facility (License# 4587). A revised Solid Waste Plan of Operation is in process and will be re-submitted to the WDNR.
- WDNR Hazardous Waste Transfer Facility under WDNR NR 663
- WDNR Used Oil Marketer and Processor under WDNR 679
- WDNR Universal Waste Handling under WDNR NR 673

- WDNR Hazardous Waste - SQG (US EPA ID No. WIR000142877). After Hazardous Waste Licensing is completed, the site will become a Large Quantity Generator (LQG).

Solid wastes managed in licensed hazardous waste areas will be managed in the same way as hazardous wastes. Solid waste managed in other areas will be managed in accordance with the Solid Waste License.

The hazardous waste containers generated (or that are being generated) solely by Enviro-Safe is differentiated from those waste received from off-site generators by the classification of "I" assigned within the inventory software system and labeled to identify Enviro-Safe as the generator. The classification of "I" defined created inventory versus received inventory. The typical hazardous waste generated by Enviro-Safe includes spent PPE, aerosol cans and lab waste.

The site currently has a fleet of transportation vehicles with the Germantown, Wisconsin location serving as their terminal. Vehicles that are used to support the primary business of waste disposal and recycling services. Due to the nature of the waste and materials being transported, specific transporter permits and licenses are required. Below is a list of those licenses and permits currently maintained.

- DOT Number (2322446)
- DOT Hazardous Material Registration
- FMCA Uniformed Motor Carrier (MC792795)
- WI DOT IFTA (License # 01075580701)
- WDNR Solid Waste and /or Recyclable Transportation Service License (License #15810)
- WDNR Hazardous Waste Transport Service License (License #15809)
- WDNR Infectious Waste Transportation License (License #16903)
- IL Special Waste Hauling Permit (Permit # 5271)
- MDEQ Alliance for Uniform Hazmat Transporter (License #2322446)
- MDEQ Uniform Program for Liquid Industrial Waste (License #UPW02322446MI)
- MO Hazardous Waste Transporter (License #15L28001000)

The site currently has a WPDES Industrial Storm Water No Exposure Certification based upon current activities being conducted at the site. In addition, a WPDES Construction Site Storm Water Runoff General Permit (Permit No. WI-S067831-05) has been issued to the site in August-2020 based upon the construction activity being conducted. Once construction is completed, the construction site storm water permit will be terminated and the industrial storm water no exposure certification will be re-evaluated. The site does not discharge any wastewaters from the site and therefore a WDNR WPDES wastewater permit is not required.

- WDNR Storm Water Industrial No Exposure Certification (FIN No. 54508)
- WDNR Construction Site Storm Water Runoff General Permit (WI-S067831-05)

The site currently is not required to obtain a WDNR Air Operating Permit based upon current activities conducted at the site. However, the site is subject to Air Emission Control Standard for

Containers and Tanks under NR 670.027 which is further details under Subch CC - Air Emission Control Standard - Container and Tanks (Part 3: Section M) and under Hazardous Waste Container Opening and Waste Transferring (Part 1: Section 1A.8.10.11).

The original Conditional Use Permit (CUP# 03-11) for the site was issued by the Village of Germantown in April-2011. In August-2015, the Conditional Use Permit (CUP# 06-15) was revised and approved by the Village of Germantown at the request of Enviro-Safe as the result of a change in status of the Solid Waste Transfer/Processing permit previously explained above. The site has and continues to operate within the parameters of the Conditional Use Permit and its conditions. The issuance of the hazardous waste license will not require a CUP amendment as indicated in correspondence with the Village of Germantown during the preplanning and notification process. If changes are warranted in the future, Enviro-Safe shall work with the Village of Germantown to amend the permit as appropriate.

- Village of Germantown Conditional Use Permit (CUP# 06-15)

The site utilizes the Village of Germantown sanitary sewage system which is a charter member of the Milwaukee Metropolitan Sewage District (MMSD). The only discharges from the facility are domestic in nature. The discharge regulations and limits are established in the MMSD Discharge Regulations and Enforcement Procedures (Chapter 11).

The site was originally constructed in 2012 and underwent a warehouse and office expansion in 2021. The Village of Germantown issued building permit and individual installation permits (electrical, plumbing, HVAC, sprinkler system, etc.) associated with the construction projects can be provided upon request. The occupancy permits were issues for the site respectively:

- Original Building: Village of Germantown Certificate of Occupancy – Permit 053-12 (Issued August 14, 2012)
- Building Addition: Village of Germantown Certificate of Occupancy – Permit 20GRM-B00040 (November 16, 2021)

1A.8.12 Topographic Map [NR 670.013(12)]

A topographic map [Appendix G-03] is included.

1A.8.13 Nature of Business [NR 670.013(13)]

Enviro-Safe currently operates a solid waste processing facility, hazardous waste transfer facility, used oil marketer/processor, universal waste small quantity handler, and solvent continued use consolidating activities. Enviro-Safe is applying for a hazardous waste treatment, storage and disposal license. The hazardous waste license shall consist of hazardous waste storage and treatment. The facility also proposes hazardous waste license exempt processing (consolidation into containers, bulking, elementary neutralization, lab pack repacking and aerosol can puncturing) and fuel blending treatment.

1A.8.14 Hazardous Debris Categories and Contaminant Categories [NR 670.013(14)]

Debris types to be stored typically includes soils, filter-cake, demolition/remediation debris (Including asbestos), rags, filters, and PPE. The most common contaminants are arsenic, benzene, barium, cadmium, chromium, lead, tetrachloroethylene, xylene, acetone, toluene and methyl ethyl ketone.

1A.9 Professional Engineer Certification [NR 670.014(1) and NR 670.001(2)]

This FPOR has been prepared as part of an initial license application in accordance with NR 670.001(2). As part of the FPOR, technical data, such as design drawings and specifications, and engineering studies shall be certified by a qualified professional engineer (PE) where required. The PE certification associated with this FPOR is included in Appendix B.

1A.10 General Description of Facility [NR 670.014(2)(a)]

General Location

Enviro-Safe is located at W130 N10500 Washington Drive, Germantown, WI 53022, which is located within an industrial park within the Village of Germantown. The Village of Germantown is located on the eastern side of Wisconsin in Washington County. Based upon the 2010 census, the Village of Germantown has a total population of 19,749. The Village of Germantown has a total of 34.44 square miles of which 34.38 miles are land and 0.06 miles are water.

The site has one building which is comprised of offices, laboratory (for confirmation analysis and not a state-certified laboratory), RM 124 warehouse, RM 125 warehouse, RM 126 warehouse, RM 127 warehouse, loading docks, and two outside above ground storage tanks and filling pads. The activities currently conducted in these areas include general administration, solid waste storage and processing, hazardous waste transferring, used oil marketing/processing, universal waste storage and transfer and solvent continued used consolidation. Typical operating hours are Monday thru Friday 7:30am to 4:00pm with limited after hours and weekends.

Proposed operations would expand to hazardous waste storage, license exempt hazardous waste processing (bulking, consolidation into containers, elementary neutralization, lab pack repackaging and aerosol puncturing) and licensed hazardous waste treatment (fuel blending).

1A.11 Procedures, Structures or Equipment Description Preventing Hazards in Unloading Operations [NR 670.014(2)(h)1]

The facility receives solid waste, hazardous waste, 10-day transfer hazardous waste, universal waste, used oil, hazardous secondary materials and solvent continued use from enclosed vans and straight trucks or bulk tanker trailers with a tractor.

Containerized Waste Materials. The containerized solid waste, hazardous waste, 10-day transfer hazardous waste universal waste, universal waste, used oil and solvent continued use material received are from enclosed vans and straight trucks at the East Loading Docks #2, #3 and #4 using EE-rated forklifts. The receiving docks are constructed of reinforced concrete and are designed to meet the secondary containment requirements of NR 664.0175. If a container being unloaded spills or ruptures, it will be entirely contained within the secondary containment system. The valve in the

loading dock storm drain manhole remains in the closed position at all times unless discharge non-contaminated precipitation from weather events. See Container Standard – Containment – Containment System Integrity (Part 2: Section 2B.1) for further details. Spill kits are available in the area for response.

Bulk Container Materials. Hazardous waste and solvent continued use materials are received in tanker trailers with a tractor staged at the designated East Loading Docks #2, #3 and #4 or the Tanker Fill Area #1 or #2 with spill containment and pumped into containers located in RM 126 Hazardous Waste Storage via hoses routed through the Dock #2, #3, #4 or #5 as depicted on Container Storage Map [Appendix G-08]. The areas are constructed of reinforced concrete and meet the secondary containment requirements of NR 664.0175. If a container being unloaded spills or ruptures, it will be entirely contained within the secondary containment system that serves the east loading docks or tanker fill areas and outdoor tanks. The valves in the storm drain systems that can drain these secondary containment areas normally remain in the closed position unless discharge non-contaminated precipitation from weather events. See Container Standard – Containment - Containment System Integrity (Part 2: Section 2B.1) for further details. Spill kits are available in the area for response. Solid wastes are received in tanker trucks staged on the north east side of the building and pumped into the above ground storage tank located in RM 127 via hoses connected to cam lock fittings.

Calculations for the secondary containment capacity of each area is provided under Secondary Containment Calculations [Appendix U-01].

1A.12 Prevention of Runoff from Hazardous Waste Handling Areas and Prevention of Flooding

[NR 670.014(2)(h)2]

The facility was designed so that hazardous waste storage and treatment activities are conducted within an enclosed containment building or outside areas with properly-sized secondary containment.

With hazardous waste activities being conducted in these designated outdoor locations, precipitation accumulation can be present. See Container Standard – Containment - Containment System Integrity (Part 2: Section 2B.1) for further details. In addition, to ensure the continued integrity of the containment system, the facility operations and grounds are routinely inspected as outlined in the Total Preventative Maintenance and Inspection Schedule [Appendix I].

1A.13 Prevent Contamination of Water Supplies [NR 670.014(2)(h)3]

The structures in place to prevent runoff, also protect the area ground and surface water from contamination of a sudden release from an unloading/loading area, waste storage area or operations. Contamination of water supplies is prevented by the secondary containment for all licensed storage and treatment areas, all the active areas of the facility is paved (concrete or asphalt) and storm water is evaluated before release. See Container Standard – Containment – Containment System Integrity (Part 2: Section 2B.1) for further details. Due to the engineered containment of the building and the outside secondary containment areas, the probability of an accidental leak or spill that could escape from the site or to enter groundwater is negligible.

Furthermore, there are no significant geological or topographical features on the site. Because the facility has only negligible potential to affect any of the surrounding areas, extensive geotechnical data is not relevant to the facility.

Area water supply within the industrial park and to the property is provided by municipal water and sewer system serviced by the Village of Germantown. The nearest village water well is located at the north end of the industrial park near Mequon Road which is well over 1,200 feet from the facility. There are no private wells within 250 feet of the facility.

1A.14 Mitigate Effects of Equipment Failure and Power Outages [NR 670.014(2)(h)4]

In the event of a power outage, no immediate environmental hazards would result. Necessary power for storage, treatment and processing areas and the lab is associated with lighting and emergency systems (i.e., gas detection system, fire alarm system, security system, etc.). If auxiliary emergency power is required, the facility's on-site emergency power generator would activate, and the limited lighting and emergency systems would continue to function.

1A.15 Prevent Undue Exposure of Personnel to Hazardous Waste [NR 670.014(2)(h)5]

Personnel employed by the organization that are required to wear personal protective equipment (PPE) are supplied with it to reduce exposures associated with the individual job assignments. The specific requirements for PPE can be found in the Personal Protective Equipment Plan [Appendix M].

In general, personal protective equipment provided to all employees involved in licensed hazardous waste activities includes: uniforms, safety shoes/boots, safety glasses, safety goggles, variety of gloves, plastic/rubber aprons, chemical resistant coveralls (Tyvek), face shields, dust mask, and full-face air-purifying respirators with appropriate cartridges.

In addition, eye wash stations and emergency shower are available immediately to flush contaminants from the eyes or body.

1A.16 Procedures, Structures and Equipment Used to Prevent Releases to the Atmosphere [NR 670.014(2)(h)6]

Containers of hazardous waste that are received at the facility meets the applicable U.S. Department of Transportation (DOT) regulations on packaging hazardous materials for transportation. All containers are equipped with a cover and closure device that forms a continuous barrier over the container opening such that when the cover and closure devices are secured in the closed position there are no visible holes, gaps or other open spaces into the interior of the container.

The containers are covered and closed at all times when they are in storage except during active sampling, consolidation, or lab-packing/repacking. When sampling containers, typically the container bung hole on the drum lid is utilized to access the hazardous waste via the insertion of the sampling tube to reduce exposure. When consolidating or transferring containers, typically the bung hole on the drum lid is utilized or the lid is removed and the material is manually poured into the receiving container. See Hazardous Waste Container Opening and Transferring (Section 1A.8.10.11)

for specific details. In addition, the evaporation emission from fuel blending activities is minimized by the use of the submerged loading method into the tanker truck. During the submerged filling method, waste enters the tanker below the liquid surface level. Liquid turbulence is controlled significantly during submerge loading, resulting in much lower vapor generation than encountered during splash loading.

1A.17 Traffic Pattern, Control and Road Surface [NR 670.014(2)(j)]

General access to the facility is typically reached by traveling via U.S. Highway 41/45 (either northbound or southbound) and exiting onto Highway 145 and traveling north via a traffic light intersection. Travel continues approximately 3.5 miles northbound to Donges Bay Road. At the controlled traffic light, travel would continue westbound on Donges Bay Road approximately 0.6 miles to Washington Drive. After turning northbound on Washington Drive, vehicles travel approximately 1,050 feet to the entrance of the facility located in the Germantown Industrial Park. All roads are paved and capable of bearing loads up to 30,000 pounds per axle. Approximately eighty (80) transports, consisting of straight trucks, semi-trailers and bulk tankers, may deliver and ship material to the facility each week. Transportation is via vehicles having a gross (loaded) weight of 80,000 lbs. or less.

There is also vehicle traffic from the facility to other facilities to transfer empty waste containers, receipts of solid waste and hazardous waste which will not be managed at the facility, solid waste and hazardous waste generated at the facility, and fuel-blended wastes for use in secondary market (i.e., sent to cement kilns). Outbound truck traffic expected to be approximately two (2) trucks per day. These trucks include, but are not limited to, van trailer and tanker trucks.

Trucks leaving the facility shall follow the same routes in reverse. U.S. Highway 41/45 is a four-lane highway which typically carries heavy truck traffic which can easily accommodate the facility traffic described above. Highway 145 is a straight, four-lane road and Donges Bay Road is a two-lane road. All roadways described are capable of carrying described traffic. The local streets and principal traffic patterns for the facility are depicted on the Local Street and Traffic Pattern Map [Appendix G-07].

Trucks waiting to be loaded or unloaded are staged on the truck driveway on the property. The trucks are attended by the drivers while waiting to be loaded or unloaded at the facility. All incoming and outgoing trucks are scheduled in advance and the contents of the load are known at the time of scheduling.

1A.18-1A.19 Chemical and Physical Analyses of Hazardous Waste/Debris to be Handled [NR 670.014(2)(b) and NR 670.014(2)(c)]

The Waste Analysis Plan [Appendix H] should be referenced for details of the chemical and physical analyses of hazardous waste/debris to be handled.

1A.20 Preparedness and Prevention [NR 670.014(2)(f) and NR 664.0031 through NR 670.0037]

The facility does not request a waiver of the preparedness and prevention requirements under NR 664 Subchapter C - Preparedness and Prevention.

The following sections address each of the facility preparedness and prevention requirements in NR 664.0030 through NR 664.0037.

Design and Operation of Facility [NR 664.0031]

The facility has been designed, constructed, maintained and operated to minimize the possibility of a fire, explosion and any unplanned sudden or un-sudden release of hazardous waste or hazardous waste constituents to air, soil or surface water which threaten human health or the environment.

Required Equipment [WDNR 664.0032]

An internal alarm system has been installed at the facility that is capable of providing immediate emergency instruction (signal) to facility personnel to evacuate the building. The internal alarm system is monitored 24-hours per day 365-days per year by an external monitoring service that contacts the local emergency response services upon activation. A fire panel with alarm pull station is located at the main entrance to the facility and an alarm pull-station is located in RM 125. The alarm stations are readily identified and marked.

A telephone or intrinsically safe hand-held 2-way radios are available at the operating location which are capable of summoning emergency assistance from local police departments, fire departments or state or location emergency response teams.

Portable fire extinguishers, fire hoses, and spill control equipment are present throughout the facility and readily marked and available. The fire extinguishers are ABC rated 10-pound units.

The RM 124, RM 125, RM 126, and RM 127 have a foam sprinkler fire suppression system installed in accordance with National Fire Protection Association (NFPA) 13, 16, 20 and 72. The system was designed and installed by Ahern Fire Protection (Fond du Lac, Wisconsin) and Blair Fire Protection (Milwaukee, Wisconsin) respectively. The outside tank secondary containment area has a deluge fire suppression system installed in accordance with the National Fire Protection Association (NFPA) 13, 16, 20 and 72. The system was designed and installed by Ahern Fire Protection (Fond du Lac, Wisconsin). The foam system is specifically engineered and designed to protect areas where flammable and combustible liquids are present. The office area is protected by a wet suppression system and installed in accordance with National Fire Protection (NFPA) 13, 16, 20, and 72. A summary of the hydraulic calculations is included below to demonstrate adequate water volume and pressure to supply the adequate response from the systems. The documentation with the detailed calculations performed by J. F. Ahern Company and Blair Fire Protection are retained on file by the facility.

Fire Suppression System Summary

Remote Area Number:	#1	#2	#3	#4	#5
Area Location:	Office	RM 124	RM 126	RM 125	Tank Farm
Occupancy Classification:	Light Hazard	Storage	Storage	Storage	Storage Tanks
Density:	10 gpm/sq ft	0.30 gpm/sq ft	0.30 gpm/sq ft	0.30 gpm/sq ft	75 gpm/sq ft
Area of Application:	966 sq ft	3,063 sq ft	1,056 sq ft	3,045 sq ft	Entire

Enviro-Safe Resource Recovery
Feasibility and Plan of Operation Report

Coverage per Sprinkler:	225 sq ft	100 sq ft	100 sq ft	100 sq ft	Entire
Type of Sprinkler:	Viking VK302	Tyco TY5151	Tyco TY5151	Tyco TY5151	Foam Cannons
No. of Sprinklers:	10	34	12	32	4
In-Rack Demand:	N/A	N/A	N/A	N/A	N/A
Hose Streams:	100 gpm	500 gpm	500 gpm	500 gpm	0 gpm
Total Water Required:	278 gpm	1,058 gpm @ 20 min discharge	1,058 gpm @ 20 min discharge	1,058 gpm @ 20 min discharge	300 gpm
Type of System;	Wet System	Closed Head Foam Water	Closed Head Foam Water	Closed Head Foam Water	Deluge

Spill control equipment present on-site for the containment and clean-up of a release consist of pads, socks, oil-dry and drain covers/seals. The spill kits are located throughout the facility are inventoried and inspected as part of the Daily Facility Inspection. The used consumable clean-up is properly disposed after use and spill kits restocked. The facility does not use any reusable equipment for spill clean-up that would require decontamination.

Testing and Maintenance of Equipment [WDNR NR 664.0033]

The facility communications and alarm systems, fire protection equipment, spill control equipment and decontamination equipment shall be tested and maintained as required by NFPA requirements and documented as described in the Total Preventative Maintenance and Inspection Plan [Appendix I] to assure its proper operation in time of emergency.

Access to Communications or Alarm Systems [WDNR NR 664.0034]

When hazardous waste is being poured, mixed, spread or otherwise handled, all personnel involved in the operation shall have immediate access to an internal alarm system or hand-held 2-way radios capable of summoning external assistance either directly or through visual or voice contact with another employee.

It is the policy of the company that there shall never be only one person on the premises while the facility is operating. A minimum of two people is required to be on the premises while facility operations are being conducted.

Required Aisle Space [WDNR NR 664.0035]

The layout of the facility is designed to allow for the unobstructed movement of personnel, fire protection equipment, spill control equipment and decontamination equipment to any area of the facility operation in an emergency situation by maintaining adequate aisle spaces. The aisle spaces between pallet rows throughout the facility are permanently and clearly marked with solid continuous yellow lines that are a minimum of 3 feet wide and ceiling are at least 8 feet high as required for OSHA Walking and Working Surfaces [OSHA 1910.22(b)] and OSHA Means of Egress [OSHA Subpart E] which allow for unobstructed movement during normal operations and emergency situations. The main corridors throughout the facility to the row of pallets are a minimum of 6 feet wide and easily allow for unobstructed movement during normal operations and emergency situation. Aisle spaces are kept clear of containers, equipment, supplies, debris and other materials that could obstruct these movements.

The company has established arrangements with local police and fire department and emergency response teams and familiarize them with the layout of the facility, properties of hazardous waste handled at the facility and associated hazards, areas of normal work, entrances to the facility, and evacuation routes. The layout of the facility and storage of materials have been reviewed and it has been determined that aisle spaces are adequate to address emergency situations such as fires, spills/releases and medical situations. It also has been noted that forklifts are readily available that may assist in emergency situation with the quick and easy of movement of containers by a qualified operator in the event of off-hours incidents. The Emergency Management Plan was submitted to the Germantown Fire Department on April 29, 2022 with the facility layout which included aisle spacing. The Fire Chief was then contacted on May 4, 2022 to schedule an on-site tour. It was communicated that the submittal was sufficient and the layout of the facility was deemed appropriate so no on-site tour was warranted. Routine Fire Department inspections will continue to be conducted as in the past.

Arrangements with Local Authorities [WDNR NR 665.0037]

The facility attempts to establish prearranged agreement with the local police department, fire department, and emergency response teams. This was done by written notification to the applicable agencies and includes information on the facility layout, properties of the hazardous waste handled at the facility and associated hazards, places where personnel work, entrances to the site, and evacuation routes. In the case that more than one police or fire department may respond to a situation, the Germantown Fire Department shall be the primary authority. In addition, arrangements have been made with outside emergency response contractors.

The facility has notified local occupational clinics and hospitals to ensure they are familiar with the organization, properties of the hazardous waste handled at the facility and potential resulting injuries and illnesses that could result from fires, explosions or releases at the facility.

Unless a specific response is received from a state or local authority indicating that they refuse or decline to enter into these arrangements, it will be assumed these arrangements are acceptable. It is the practice of Enviro-Safe to invite state and local authority agencies to the facility on a routine basis for a tour to ensure they are familiar with the property and the activities being conducted and the materials/quantities being stored.

Additional specific details on the submittal of the written notifications to the applicable agencies can be found in the Emergency Management Plan [Appendix J].

1A.21-1A.25 Prevention of Accidental Ignition or Reaction of Ignitable, Reactive or Incompatible Wastes [NR 670.014(2)(i) and 664.0017(1) through NR664.0017(3)]

For prevention of Accidental Ignition or Reaction of Ignitable, Reactive or Incompatible Wastes see Container Standards - Incompatible, Reactive, Ignitable Waste (Part 2: Section C).

PART 1: SECTION B. NON-COMPLIANCE WITH PLANS OR ORDERS

1B.1 Identification of Ownership [NR 670.014(2)(x)1(a)]

The site is owned by JDV Realty Estate Holding, LLC. The JDV Realty Estate Holding, LLC. address is:

JDV Real Estate Holdings, LLC.
W130 N10500 Washington Drive
Germantown, WI 53022

JDV Real Estate Holdings, LLC. is a Limited Liability Corporation (LLC) which is owned and operated under the direction of Jeffrey D. Vilione (100%).

The site is operated by Enviro-Safe Consulting, LLC. (dBA as Enviro-Safe Resource Recovery) with the physical address of the hazardous waste facility:

Enviro-Safe Consulting, LLC.
dBA Enviro-Safe Resource Recovery
W130 N10500 Washington Drive
Germantown, WI 53022

Enviro-Safe is a Limited Liability Corporation (LLC) which is owned and operated under the direction of Jeffrey D. Vilione (49%) and Dawn E. Zellmer-Vilione (51%).

1B.2 Other Facility Orders or Approvals [NR 670.014(2)(x)1(b)]

Jeffrey Vilione (49%) and Dawn Zellmer-Vilione (51%) own Enviro-Safe Consulting, LLC. (dBA Enviro-Safe Resource Recovery) which is subject to plan approval issued by the WDNR for a Wisconsin Solid Waste Facility. Neither Jeffrey Vilione or Dawn Zellmer-Vilione is named in or subject to an order or plan approval issued by the WDNR for any other Wisconsin hazardous waste facility.

1B.3 Other Facility Ownership [NR 670.014(2)(x)1(c)]

Jeffrey Vilione (49%) and Dawn Zellmer-Vilione (51%) own Enviro-Safe Consulting, LLC. (dBA Enviro-Safe Resource Recovery) which currently operates a Wisconsin solid waste facility. Neither Jeffrey Vilione or Dawn Zellmer-Vilione owns or previously owned 10% or greater legal or equitable interest or at 10% or greater interest in the assets of any other Wisconsin hazardous waste facility.

1B.4 Plan Approval and Order Compliance [NR 670.014(2)(x)1(d)]

Enviro-Safe currently operates a solid waste processing facility at the same facility that is subject to this application, and all plan approvals and orders currently are being complied with by the facility. Routine inspections conducted by the WDNR supports this conclusion.

PART 1: SECTION C. ENVIRONMENTAL IMPACT REVIEW

1C.1 Project Summary [NR 670.014(2)(x)2.a]

Enviro-Safe currently operates a solid waste processing facility, hazardous waste transfer facility, used oil marketer/processor, universal waste handler and solvent continued use bulker located in the Germantown Industrial Park located in Germantown, Wisconsin. The existing building was built in 2012 and consist of office space (3,341 sq. ft.), RM 124 Staging and Container Storage (4,646 sq. ft.), RM 125 Container Storage (2,040 sq. ft.) and RM 126 Container Storage and Bulking (1,056 sq. ft.). Hazardous waste associated with the hazardous waste transfer license, is typically stored in RM 125. Occupancy was provided by the Village of Germantown on August 14, 2012 in accordance with the initial Conditional Use Permit (CUP 03-11). A revised Condition Use Permit (CUP 06-15) was issued to the site in July-2015 due to the change in the solid waste processing permit status.

In October-2021, an expansion to the building was commenced to expand current office space (486 sq. ft.), laboratory, RM 125 Container Storage (3,189 sq. ft.) and RM 127 Container Storage (22,743 sq. ft.). The purpose for the construction was to increase storage and capacities for current activities being conducted by the site to accommodate future business growth. Upon completion, RM 124 is typically be used for staging and RM 127 is typically used for solid waste storage and processing. Hazardous waste of the transfer license continues to be typically stored in RM 125 and RM 126.

The purpose of obtaining the hazardous waste operating license is to allow for hazardous waste storage, license exempt processing, and treatment (fuel blending and elemental neutralization) at the site.

A meeting was held on Tuesday, July 2, 2019 with the Village of Germantown Planning Administration and it was determined that the current conditional use permit and zoning is appropriate to the current activities being conducted at Enviro-Safe and authorizes future proposed expansion and the proposed licensed hazardous waste activities and therefore, no further action is required. All state and local permits required for the actual construction were facilitated on the behalf of Enviro-Safe by the general contractor. See Local Approval Required Documentation (Part 1: Section 1A.7) for more details.

Additional permits and approvals are addressed under Federal and State Permits, Licenses and Approvals (Part 1: Section 1A.8.11).

1C.2 Terrestrial Resources [NR 670.014(2)(x)2.b.1]

The facility is established with surface water drainage and sediment controls. Public road access to the facility is established. Changes to the terrestrial resources are not proposed and will not be needed.

1C.3 Aquatic Resources [NR 670.014(2)(x)2.b.2]

The facility is established. No additional impacts to surface water are anticipated.

1C.4 Building and Structures [NR 670.014(2)(x)2.b.3]

In October-2020, an expansion to the existing building was commenced to increase storage and capacities for the current activities licensed and being conducted at the site to accommodate business growth. This recent construction project associated with the existing building is independent and unrelated to the site's proposed application for a hazardous waste license and is expected to be completed before hazardous waste licensing occurs. All detailed data, specifications and information presented in this FPOR for the pre-existing and recently-constructed facilities represent final as-built conditions.

1C.5 Air Emissions and Water Discharges [NR 670.014(2)(x)2.b.4]

At the present time the facility does not generate air emissions that requires a construction, operation or registration permit, or other exemption. The actual air emissions (WDNR 400-499) associated with new hazardous waste licensing storage and treatment have been calculated and are anticipated to be low based upon the type of materials that will be received, stored and treated. As a result, it is expected that the facility will qualify for the actual air emission operation permit exemption. Upon issuance of the hazardous waste license, the facility will submit a notice of intent for updated air emission exemption to the WDNR Air Management Division. In addition, monthly records will be maintained to demonstrate compliance with the exemption. In an effort to ensure the site minimizes air emissions, see mitigation efforts under Container Opening and Waste Transferring (Part 1: Section 1A.8.10.11).

At the present time the facility does not discharge any industrial or wastewaters from the facility under a WPDES (Wisconsin Pollutant Discharge Elimination System) for which a permit is required. Since no industrial or wastewater discharges are conducted from the facility, there is no potential for hazardous waste to be inadvertently discharged from the facility. However, facility operations are currently regulated under the WPDES (Wisconsin Pollutant Discharge Elimination System) under a Storm Water No Exposure Exclusion for storm water run-off from the property. Since outside storage is limited, it is anticipated that the Storm Water No Exposure Exclusion will continue to cover the property. All hazardous waste license activities will be conducted in areas with secondary containment, it is not anticipated that there will be any storm water discharges. See Container Standards - Containment (Part 2: Section B) for specific mitigation efforts.

Objectionable odors (per NR 429) associated with the new hazardous waste licensing storage and treatment are anticipated to be minimal based upon knowledge of the type of materials that will be received, stored and treated. However, in an effort to ensure the site minimizes exposure of odor-causing materials, containers will only be opened when material is being added or removed. If unusually odorous container is identified, additional measures may be taken.

1C.6 Other Changes [NR 670.014(2)(x)2.b.5]

There are no other changes anticipated with facility development for the activities requested by this application.

1C.7 Maps and Other Materials [NR 670.014(2)(x)2.b.6]

The Facility Map [Appendix G-04] show the current and proposed conditions at the facility.

1C.8 Physical Environment [NR 670.014(2)(x)2.c.1]

Area Topography. Surface elevations of the property is approximately 802 feet mean sea level (MSL) and the lands which are associated with the parcel are relatively level with a pitch towards the eastern portions of the property to facilitate site drainage.

Area Geology. The soil at the site is composed primarily of Ozaukee silt loam with St. Charles silt loam on the southeast and Virgil silt loam on the north [United States Department of Agriculture (USDA) soil map].

Surface Water Drainage. The property contains a storm water ponds and wetlands. The property is bordered to the north and east by wetlands and the south by a storm water pond. The property is gradually sloped from the north to south, with under 8 feet of grade difference. The wetland on the property has an elevation of approximately 795 feet above mean sea level (MSL). The property is approximately 802 feet above MSL near the northern edge of the property, sloping down to 794 feet above MSL in the southern edge of the property.

Hydrogeological Conditions

The topography of the property generally slopes to the southeast, towards an unnamed intermittent creek near the southeast property corner. An intermittent creek also runs from the northwest to the intermittent creek near the south property line. Depth to ground water is approximately 10 to 18 feet below ground surface. Regional groundwater flow direction at the site is easterly and local groundwater flow is southerly, toward the unnamed creek. [Water Resources of Wisconsin, Lake Michigan Basin (Skinner and Borman, 1973) and USGS topographical maps]

Air. Washington County is an attainment area for the National Ambient Air Quality Standards (NAAQS) pollutants. The Air Quality Index (AQI) for Washington County is not monitored.

Wetlands. There are two wetlands identified on the property per the Wetland Delineation Report conducted by Stantec in September-2019 [Appendix R]. Wetland W1 is approximately 0.32 acres in size and consists of a fresh wet meadow wetland located in the eastern edge of the property boarding the storm water pond. The wetland is an open water, standing water palustrine, excavated wetland. Wetland W2 is approximately 0.007 acres in size and consists of a floodplain forest wetland located in the northern edge of the property. The wetland is a forested broad-leaved deciduous wet soil, palustrine wetland. In 2020, the wetlands were concluded to be artificial wetlands by the Village of Germantown Artificial Wetland Determination Letter dated 2020-06-03 [Appendix R].

Groundwater Quality Data. Groundwater was encounter on the property at the depths ranging from 3 to 10 feet below existing grade. Some of the shallower occurrences of groundwater seepage are likely the result of perched groundwater conditions. Based upon the soil colorations, it appears that the historic groundwater elevation ranges between about 778 and 789. The water level in the pond along the east side of the property is approximately El. 784.

Performance of Existing Solid Waste Units. The facility has not been and will not be operated in a manner which the management of solid waste and hazardous waste will have a reasonable

probability of having a detrimental effect on groundwater quality or will cause a violation of groundwater standards. Solid waste storage and processing is located inside the building with secondary containment.

1C.9 Dominant Species and Habitat [NR 670.014(2)(x)2.c.2]

The facility is located within the Southeast Glacial Plains Ecological Landscape. Current vegetation in the Southeast Glacial Plains Ecological Landscape is primarily agriculture cropland, fragmented forests, and grassland with vegetation. Dominant species present include White Oak (*Quercus alba*, FACU), common buckthorn, prickly ash (*Zanthoxylum Americanum*, FACU), staghorn sumac (*Rhus typhina*, UPL), sideoats grama (*Bouteloua curtipendula*, UPL), Kentucky blue grass (*Poa pratensis*, FAC) and flat-stem blue grass (*Poa compressa*, FACU). Bird species, rabbits, squirrels, mice and deer are dominate in the area. There are no aquatic species in close proximity to the facility.

1C.10 Existing Land Use, Dominate Features and Zoning [NR 670.014(2)(x)2.c.3]

The facility is located in the Germantown Industrial Park that is zoned M-1 (limited industrial). A storm water pond is located on the east side of the property with wetlands located on the eastern edge and northern edge of the property. To the west of the property is a pharmaceutical manufacturer and to the north of the property is open vegetation.

1C.11 Social and Economic Conditions [NR 670.014(2)(x)2.c.4]

The facility is located in the Village of Germantown in Washington County. Based upon the 2010 census, the population is 19,749 with a current known (unofficial) population of 20,094 in 2020. Germantown spans over 34 miles and has a population density of 585 people per square mile. The average household income in Germantown is \$108,572 with a poverty rate of 3.03%. According to the most recent ACS, the racial composition of Germantown includes Caucasians (89.65%), Asian (4.98%), Black or African American (2.40%), Two or More Races (2.15%), Other Race (0.67%) and Native American (0.15%). More than 96.19% of the population have a high school education or higher.

1C.12 Other Special Resources [NR 670.014(2)(x)2.c.5]

There are no special resources associated with the property such as archaeological, historical, state natural areas and prime agricultural lands.

1C.13 Physical Impacts [NR 670.014(2)(x)2.d.1]

The facility is located within an existing Industrial Park on a property owned by JDV Real Estate Holdings, LLC. and operated by Enviro-Safe Consulting, LLC. (dBA as Enviro-Safe Resource Recovery). The new addition to the building has expanded warehouse uses and has assisted in streamlining processes and efficiencies while accommodating the volume of material being received and shipped from the facility. The facility uses good housekeeping and maintenance practices to maintain the appearance and integrity of the facility during its operating life. These practices prevent adverse physical impacts from the continuous operation of the facility. No significant change in physical impacts associated with facility design, construction and operation is anticipated if hazardous waste

storage and treatment activities occur as part of the overall waste management activities at the facility.

1C.14 Biological Impacts [NR 670.014(2)(x)2.d.2]

The facility is existing and its use for hazardous waste storage and treatment will not result in biological impacts including destruction and creation of habitat, alternation of the physical environment or any impacts to endangered or threatened species.

1C.15 Land Use Impacts [NR 670.014(2)(x)2.d.3]

Enviro-Safe is a currently operating facility located in an industrial park zone for such operations. The current expansion to the facility on the current property will only provide more capacity of the current operations. Therefore, no adverse impacts on land use or bordering businesses are anticipated as the result of the proposed hazardous waste license. In addition, the property is well maintained with well-manicured landscaping including trees, grasses and other vegetation that will continue to grow and beautify the property.

1C.16 Social and Economic Impacts [NR 670.014(2)(x)2.d.4]

Enviro-Safe has a positive impact on the social and economic conditions of the area. Enviro-Safe currently provides full-time employment to approximately 20 people from the surrounding area and with the expansion of the facility anticipates adding 17.8 jobs as identified by the EDWC Impact Report [Appendix S]. The hazardous waste licensing of the facility will serve the current industry by improving hazardous waste capacity within the state and regional areas which is limited and can sometimes cause challenges to industry that generate wastes and by-products. In addition, it will improve recycling and reuse opportunities by diverting waste from landfills or finding secondary applications for materials to be used in manufacturing or other processes.

1C.17 Other Special Resource Impacts [NR 670.014(2)(x)2.d.5]

It is not anticipated that there will be other special resource impacts on the site.

1C.18 Probable Adverse Impacts [NR 670.014(2)(x)2.d.6]

Current and requested activities will not be performed in a manner in which the management of hazardous waste will have a reasonable probability of having a detrimental effect on groundwater quality or will cause a violation of groundwater standards under ch. NR 140. The equipment used in the fuel blending process is inside a building with containment (RM 126 Hazardous Waste Storage). Container storage is located inside the building structure with containment. The building floors were designed specifically as containment to protect the soil and surface water. Enviro-Safe is not requesting to expand its waste management activities beyond the current borders. There will be no further modifications of topography, any loss of agricultural or forest land, or displacement of wildlife. No new structures are planned that will have an adverse aesthetic impact for the people in and around the facility.

Probable adverse impacts to air quality would potentially be fugitive emission of Particulate Matter (PM), Volatile Organic Compounds (VOCs) and Hazardous Air Pollutants (HAPs) as the result of

hazardous waste bulking and fuel blending activities. However, an evaluation of the operation has identified these emissions as insignificant in nature based upon which an WDNR air permit is not required.

Objectionable (malodorous) odors associated are anticipated to be minimal based upon knowledge of the type of materials that will be received, stored and treated. However, in an effort to ensure the site minimizes exposure of odor-causing materials, containers will only be opened when material is being added or removed. If a usual odorous container is identified, additional measures may be taken.

1C.19 Feasible Alternatives [NR 670.014(2)(x)2.e]

The alternative action would be not to issue the requested hazardous waste treatment, storage and disposal facility license to Enviro-Safe. If so, the facility would continue to operate as a solid waste processor, hazardous waste transfer facility, oil marketer/processor, universal waste handler and solvent continued user bulker. Creation of a new hazardous waste storage and treatment facility with the same capacities at a separate location is generally considered a less feasible alternative. The issuance of the hazardous waste treatment, storage facility license to Enviro-Safe will not present adverse environmental impacts and will allow for broader and more efficient operations for Enviro-Safe and the industries it services.

1C.20 Need Determination per 289.28 [NR 670.014(2)(x)3]

Since its establishment in 2002, Enviro-Safe has seen a change in the availability of waste disposal companies to service small and mid-size companies due to the active mergers and acquisition activities in the marketplace. Consolidation within the waste management industry has kept its pace over the years with active merger and acquisition activities in the United States. According to industry sources it is on track to continue in 2020 as the result of strong public equity performance and as favorable debt financing continues. The industry has three major companies taking over the marketplace which is causing gaps or limited-service offerings in the treatment, storage and disposal of specialty wastes, hazardous and solid waste to the small and midsize company. Therefore, this is an opportunity for Enviro-Safe to expand the facility and operations by obtaining a hazardous waste license to provide these companies a cost effective in-state option for management of hazardous waste.

The extended storage period of hazardous waste will allow continued accumulation until truck load quantities are collected or it is economically feasible to ship the containers off-site. The purpose of license exempt processing (consolidation into containers, elementary neutralization, lab pack repackaging and aerosol puncturing) shall allow for smaller volumes of materials to be brought in, processed and then shipped out in larger containers for more economical disposal. In addition, the treatment of fuel blending of hazardous waste prior to shipment to a cement kiln shall allow for an increase in the volume of waste that is sent off-site for recycling opposed to strictly destruction (incineration).

Enviro-Safe has become a vital company in the proper management of waste in the State of Wisconsin and Midwest, specifically for small to mid-size companies. The facility has provided cost effective solutions for the treatment, consolidation and transportation of waste materials while maintaining the highest compliance and safety standards in the industry.

PART 1: SECTION D. GROUNDWATER PROTECTION

1D.1-1D.9 Groundwater Protection [NR 670.014(3)]

Additional information regarding protection of groundwater is required from owners or operators of hazardous waste facilities containing a regulated unit. The groundwater protection requirements do not apply because Enviro-Safe does not contain or propose any regulated units (land disposal units) as defined in NR 664.0090(1).

PART 1: SECTION E. CORRECTIVE ACTION AND SOLID WASTE MANAGEMENT UNITS

1E.1 Information Regarding Groundwater Protection if There is a Release from A SWMU [NR 670.014(3)]

There have been no known releases from any solid waste management units. This has been determined based upon historical and current use of the property and facility.

1E.2 Topographic Map Showing Location of SWMU [NR 670.014(4)(a)1]

The solid waste management unit is shown on the Topographical Map [Appendix G-03].

1E.3 Designated Types of SWMUs [NR 670.014(4)(a)2]

The solid waste management unit at the site is for the storage of solid waste containers.

1E.4 General Dimensions and Structural Description of SWMUs [NR 670.014(4)(a)3]

There is one primary solid waste management unit that consists of four warehouses (RM 124, RM 125, RM126 and RM 127) for container storage and processing. The solid waste management unit is a building that contains three warehouses with concrete non-porous flooring which is sealed and serves as secondary containment. The Warehouse RM 124 is 4,646 square feet, Warehouse RM 125 is 5,091 square feet, Warehouse RM 126 is 1,056 square feet and Warehouse RM 127 is 22,743 square feet. Warehouse RM 127 has 4 above ground storage tanks, each having a capacity of 12,500-gallons. The solid waste management units are identified on the Container Storage Map [Appendix G-08].

1E.5 When the SWMUs Were Operated [NR 670.014(4)(a)4]

The solid waste management units have been in operation since Sept-2012 when the building was originally built for solid waste transferring activities and operated under a Solid Waste Facility Transfer License. Since then, the facility has terminated the Solid Waste Facility Transfer License and replaced it with a Solid Waste Processing Facility License issued in September-2016. The facility continues to operate under the Solid Waste Processing Facility License.

1E.6 Types of Wastes Managed at the SWMUs [NR 670.014(4)(a)5]

The types of solid waste managed in the solid waste management units have included any waste meeting the definition of solid waste, 10-day hazardous waste, used oil, universal waste, e-waste and solvent continued use material.

1E.7 All Available Information Pertaining to Releases of Hazardous Waste Constituents from Hazardous Waste Units [NR 670.014(4)(b)]

There has not been any releases of hazardous wastes or hazardous constituents from the solid waste management units and therefore no information is available.

1E.8 Results of Sampling and Analysis of Surface or Groundwater, Soil and Air Sampling if the Department Determines a RFA is Necessary [NR 670.014(4)(c)]

There have been no releases that required or require sampling or analysis of groundwater, land surface and subsurface strata, surface water or air which may include the installation of wells.

PART 1: SECTION F. LOCATION STANDARDS

1F.1 100-Year Flood Plain [NR 670.014(2)(k)3]

The property is not located within a 100-year flood plain.

1F.2 100-Year Flood Plain Federal Insurance Administration Flood Map [NR 670.014(2)(k)3]

It was determined that the property was not located in a 100-year flood plain utilizing the federal insurance administrative (FIA) 100-Year Flood Plain Map [Appendix G-06] for the property located at Township 09 N, Range 20 E, Section 25.

1F.3 Identification of 100-Year Flood Plain [NR 670.014(2)(k)3]

The property is not located within a 100-year flood plain and as a result, no additional information is provided.

1F.4 Engineering Analysis of Hydrodynamic and Hydrostatic Forces [NR 670.014(2)(k)4.a]

The property is not located within a 100-year flood plain and as a result, no additional information is required.

1F.5 Structural and Engineering Studies Showing Design or Operations Units and Floor Protection Devices [NR 670.014(2)(k)4.b]

The property is not located within a 100-year flood plain and as a result, no additional information is required.

1F.6 Description of Procedures to Move Hazardous Waste Before Flooding [NR 670.014(2)(k)4.c]

The property is not located within a 100-year flood plain and as a result, no additional information is required.

1F.7 Demonstration of Procedures in Effect to Move the Waste Safely to a Location that is not Vulnerable to Flood Waters [NR 664.0018(2)9a]

The property is not located within a 100-year flood plain and as a result, no additional information is required.

1F.8 Compliance Schedule [NR 670.014(2)(k)5]

The property is not located within a 100-year flood plain and as a result, no additional information is required.

1F.9 Dated Topographic Map [NR 670.014(2)(s)]

A Topographic Map [Appendix G-03] showing a distance of 1,000 feet around the facility at a scale of 2.5 centimeters (one inch) equal to not more than 61.0 meters (200 feet) and contours intervals that clearly show patterns of surface water flow of waste management is provided.

1F.10 Map Shows Map Scale and Date [NR 670.014(2)(s)1]

The Topographic Map [Appendix G-03] has a scale and date of information included.

1F.11 Map Shows 100-Year Flood Plain Area [NR 670.014(2)(s)2]

The 100-Year Flood Plain Map [Appendix G-06] documents the 100-Year flood plain information for the site.

1F.12 Surface Waters [NR 670.014(2)(s)3]

The Surface Waters and Streams Map [Appendix G-09] depicts these bodies of waters within 1,000 feet of the facility. The Wetland Delineation Report conducted by Stantec in September-2019 [Appendix R] includes the wetland limit lines.

1F.13 Surrounding Land Use [NR 670.014(2)(s)4]

The Village of Germantown Zoning Surrounding Land Use Map [Appendix G-01] depicts residential, commercial, agriculture, industrial/office governmental and park land use surrounding the facility. In addition, rivers, lakes and streams are included.

1F.14 Wind Rose [NR 670.014(2)(s)5]

The Wind Rose Data Map [Appendix G-10] provides the annual frequency distribution of wind direction in Southeastern Wisconsin.

1F.15 Map Orientation [NR 670.014(2)(s)6]

Drawings and maps provided in this submittal have orientation notes with a north arrow.

1F.16 Legal Boundaries of the Hazardous Waste Facility [NR 670.014(2)(s)7]

The plat map of property boundaries which depicts legal boundaries and legal description of the property is contained on the Facility Map [Appendix G-04].

1F.17 Access Control [NR 670.014(2)(s)8]

The building is equipped with a badge access system at all entry points to maintain a secure facility. The main front door is unlocked from 7:30am to 4:00pm Monday thru Friday for general visitors. The area is manned with a receptionist during this period. The door to the shipping corridor (RM 127) is unlocked from 7:30am to 4:00pm Monday thru Friday for drivers. The door from the shipping corridor into the facility is equipped with a badge access system and entry is only allowed upon allowable access from on-site personnel. Hazardous waste that is stored in the Tanker Fill Pad #1 or #2 or the East Loading Docks #2, #3 or #4 in a tanker vehicle has the valves and connections

capped and locked when not under the immediately supervisor of personnel. See Security Requirements (Part 1: Section H) for further details.

1F.18 Injection and Withdrawal Wells [NR 670.014(2)(s)9]

The site does not have any injection and withdrawal wells. A search was conducted utilizing the WDNR Well Construction Report and the map identifying wells within 1,000 feet have been depicted [Appendix G-11].

1F.19 Buildings and Storage, Treatment or Disposal Operations [NR 670.014(2)(s)10]

The Facility Map [Appendix G-04] depicts the facility on the site.

1F.20 Other Structures [NR 670.014(2)(s)10]

The Facility Map [Appendix G-04] depicts runoff control system, roads, stormwater and sanitary sewers, loading/unloading areas and fire control facilities on the site.

1F.21 Barriers for Drainage or Floor Control [NR 670.014(2)(s)11]

The site is not located within a 100-year flood plain area and therefore no further information is required. (Also refer to flood plain mapping.)

1F.22 Locations of Operational Units Storage [NR 670.014(2)(s)12]

The Container Storage Map [Appendix G-08] depicts the areas of the facility where hazardous waste treatment and storage activities will occur.

1F.23 Wetlands [NR 670.014(2)(k).6.b]

A Wetland Delineation Report was completed by Stantec Consulting Services. The purpose and objective of the investigation was to identify the extent and spatial arrangement of wetlands within the property. The investigation was completed in September-2018 and two wetland areas were identified east of the property in the Wetland Delineation Report [Appendix R]. The submittals and follow-up requirements associated with the report to the WDNR and U.S. Army Corps Engineers were fulfilled.

In addition, a review by the Village of Germantown on June 3, 2020 has concluded that the wetland area located on the west side of the storm water basin that would be impacted by the proposed driveway extension shown on the approved site plans for the facility expansion (dated February 4, 2020) meets the Village's and WDNR definition of an artificial wetland and therefore, no additional approval is required per the Village of Germantown - Artificial Wetland Determination Letter, June 3, 2020 [Appendix R]. No new construction is proposed. Therefore, no additional wetlands-related regulatory work or authorizations are needed.

1F.24 Critical Habitat for Threatened or Endangered Species [NR 670.014(2)(k).6.a]

The facility is not located on a shoreline of a waterfront (lake) in Washington County that has been designated as a critical habitat in accordance with the WDNR list of Critical Habitat Designation.

The Bureau of Natural Heritage Conservation completed an Endangered Resources (ER) Review on February 29, 2020 for the property and no action is required. However, the report did provide recommended actions for the Least Bittern, Blanchard's Cricket Frog and erosion/run-off controls. As a result, the site shall do the following:

Least Bittern Bird: The site will avoid disturbance of all suitable habitat on the property observed during nesting season (15 May – 15 August) to avoid impact to the species.

Blanchard's Cricket Frog: It is not anticipated that this type of frog will be present at the site. However, if a Blanchard's cricket frog is observed, the Endangered Resources Review Program (608-266-5241) will be immediately contacted.

See the WDNR Endangered Resource Review (ERR Log #20-124) dated February 29, 2020 [Appendix Q].

PART 1: SECTION G. WASTE ANALYSIS PLAN

1G.1 Waste Characterization and Analysis [NR 664.0013(1)(a)]

Refer to the Waste Analysis Plan – Section 2.0 and 3.0 [Appendix H].

1G.2 Certified Laboratory Requirements [NR 664.0013(1)(a)]

The on-site laboratory is not a certified laboratory (can perform testing on compliance samples for other facilities) or a registered laboratory (performs testing on their own samples only) with the WDNR and subcontracts with an independent certified or registered laboratory under WDNR NR Chapter NR 149 when required. Refer to the Waste Analysis Plan - Section 16.2 [Appendix H].

1G.3 Other Data [NR 664.0013(1)(b)]

Refer to the Waste Analysis Plan – Section 7.0 [Appendix H].

1G.4 Analysis Upon Receipt [NR 664.0013(1)(d)]

Refer to the Waste Analysis Plan – Section 5.0 [Appendix H].

1G.5 Parameter and Rational [NR 664.0013(2)(a)]

Refer to the Waste Analysis Plan - Section 14.0 [Appendix H].

1G.6 Test Methods [NR 664.0013(2)(b)]

Refer to the Waste Analysis Plan – Section 15.0 [Appendix H].

1G.7 Sampling Method [NR 664.0013(2)(c)]

Refer to the Waste Analysis Plan – Section 13.1 [Appendix H].

1G.8 Frequency of Repeat Analysis [NR 664.0013(2)(d)]

Refer to the Waste Analysis Plan – Section 3.1.3 [Appendix H].

1G.9 Minimum Repeat Analysis [NR 664.0013(1)(c)]

Refer to the Waste Analysis Plan – Section 3.1.3 [Appendix H].

1G.10 Waste Analysis Generator [NR 664.0013(2)(e)]

Refer to the Waste Analysis Plan – Section 3.0 [Appendix H].

1G.11 Ignitable, Reactive and Incompatible Waste Analysis Method [NR 664.0013(2)(f)]

Refer to the Waste Analysis Plan – Section 5.0 [Appendix H].

1G.12 Process Vents (Subpart AA Standard) Test Method and Procedure to Comply [NR 664.1034(4) and NR 664.0013(2)(f)]

The facility does not operate any equipment with process vents or control devices associated with hazardous waste that would be subject to Chapter 664 Subpart AA standard requirements and therefore no information is required.

1G.13 Equipment Leaks (Subpart BB Standard) Test Method and Procedure to Comply [NR 664.1063(4) and NR 664.0013(2)(f)]

The facility does not operate equipment associated with hazardous waste that is subject to Chapter 664 Subchapter BB and therefore, no information is required.

1G.14 Container Air Emissions (Subpart CC Standard) Waste Determination Procedure [NR 664.1083 and NR 664.0013(2)(f)]

Refer to the Waste Analysis Plan [Appendix H].

1G.15 Land Disposal Restriction (LDR) Standard Testing [NR 668.07 and NR 664.0013(2)(f)]

Refer to the Waste Analysis Plan [Appendix H].

1G.16 Container Air Emission (Subpart CC Standard) Exemption [NR 664.0013(2)(h)]

The facility is not seeking an exemption from container air emission Subchapter CC standard.

1G.17 Off-Site Waste Inspection and Analysis Procedures [NR 664.0013(3)]

Refer to the Waste Analysis Plan – Section 12.0 [Appendix H].

PART 1: SECTION H. SECURITY REQUIREMENTS

1H.1 Security Procedures to Prevent Unauthorized Entry [NR 664.0014(2)(a)]

The unknowing entry of people onto the active portion of the facility shall be prevented by the structure which provides a physical barrier between the person and the waste being stored in the building. All doors with access to the facility are continuously locked at all times excepted upon immediate use by an authorized individual and entrance is controlled by a card access control system with the exception of the front entrance door when manned by a receptionist Monday thru Friday 7:30am to 4:00pm. This includes the doors from the warehouse to the office areas. Badges are issued to employees with specific access permissions based upon the job responsibilities and need. The issued badge prevents entry from intruders and other unauthorized personnel. All other persons, other than employees, entering and exiting the building are required to register with the facility and wear a designated visitor name tag while on-site or to be escorted by site personnel. The building has a security alarm system which includes glass breakage alarm installed and is active when no authorized employees are present. The system triggers an alarm if a breach is detected which dispatches local authorities and notifies designated internal personnel.

The unknowing entry of people onto the active portion of the facility (Docks #2, #3 and #4 and the tanker filling pads) shall be prevented by access gates which provides a physical barrier to the vehicle (e.g., tanker trailer) storing the waste. The gates are controlled by gate opener remotes in company owned vehicles and internal personnel for third party vehicles. In addition, the tanker truck trailer itself provides the structure which provides a physical barrier between the person and the waste being stored on the tanker trailer. The vehicles that are present in Docks #2, #3 and #4 or the tanker filling pads are locked and secure when not in immediate attendance. This includes all valves and connections to ensure security of the vehicle contents. The vehicles are placarded with the DOT placard associated with the waste contained within the tanker. A 24-hour active internal protocol (IP) camera surveillance system continuously monitors and records the activities conducted on the property and around the facility.

Unauthorized access to all active portions of the facility is minimized by the systems described above and by signs and lighting.

Security lighting assist to both deter attempts to penetrate the facility's perimeter and assist in the monitoring and detection of such attempts. Perimeter lighting is present on the exterior of the building and other strategic locations on the outside of the property. In addition, a night lighting system within the building is present to provide sufficient illumination to all areas.

1H.2 Perimeter Barriers [NR 664.0014(2)(b)]

The facility is located in an industrial park with a natural barrier of the retention pond to the east side of the property to aid in the security of the property. Gates are present at each driveway entry point restricting access to Docks #2, #3 and #4 and the tanker filling pads. Signage is posted at each driveway entry point stating the proper is under surveillance.

1H.3 Signage [NR 664.0014(3)]

Warning signs are posted in English at the entrance points of the property which state “Danger: Unauthorized Personnel Keep Out” and are legible from a distance of at least 25 feet. In addition, a general Personal Property – No Trespassing sign is posted at each entrance to the property.

1H.4 Demonstration that Security Requirements are Not Necessary [NR 664.0014(1)]

Approval of this demonstration is not being requested.

PART I: SECTION I. GENERAL INSPECTION REQUIREMENTS

11.1 Description of the Equipment and Device Inspected [NR 664.0015(2)(a)]

For each inspection to be conducted a written inspection protocol is established which identifies the item, inspection frequency/schedule, purpose of the inspection, references associated equipment, any prerequisite that should be known, inspection intervals and procedure, how to handle deficiencies, required documentation and reference to outside contract to aid to resolve any unacceptable conditions. The Inspection Procedures are included as part of the Total Preventative Maintenance (TPM) and Inspection Plan [Appendix I].

11.2 Description of Problems Checked During the Inspection [NR 664.0015(2)(c)]

Each Inspection Protocol identifies or references the items to be checked during the inspection based upon regulations, industry standards and manufacturing recommendations. The Inspection Procedures are included as part of the Total Preventative Maintenance (TPM) and inspection Plan [Appendix I].

11.3 Inspection Schedule for Closed Vent System or Control Device Required by NR 664.1033 [NR 670.014(2)(d)]

The facility does not operate a closed vent system or control device to treat, store or dispose of hazardous waste and therefore, monitoring and inspection requirements for closed vent systems and control devices are not applicable.

11.4 Inspection Schedule for Subch. BB Pumps in Light Liquid Service Required by NR 664.1052 [NR 670.014(2)(d)]

The facility does not use pumps in light liquid service to treat, store or dispose of hazardous waste and therefore, monitoring and inspection requirements associated with these pumps are not applicable.

11.5 Inspection Schedule for Subch. BB Compressors Required by NR 664.1053 [NR 670.014(2)(d)]

The facility does not operate a compressor associated with the treatment, storage or disposal of hazardous waste and therefore, monitoring and inspection requirements for the compressor is not applicable.

11.6 Inspection Schedule for Subch. BB Pumps and Valves in Heavy Liquid Service, Pressure Relief Devices and Connectors Required by NR 664.1058 [NR 670.014(2)(d)]

The facility does not operate pumps and valves in heavy liquid service, pressure relief devices in light liquid or heavy liquid service and flanges, or other connectors to treat, store, or dispose of hazardous waste and therefore, monitoring and inspection requirements associated with this equipment is not applicable.

11.7 Inspection Frequency for Subpart BB Equipment [NR 664.0015(2)(d)]

The facility does not operate Subpart BB equipment and therefore, monitoring and inspection frequency associated with this equipment is not applicable.

11.8 Areas Subject to Spill Inspected Daily When in Use [NR 664.0015(2)(d)]

The areas subject to daily spill inspections are identified in the Total Preventative Maintenance (TPM) and inspection Plan - Appendix A [Appendix I] - Facility Daily Inspection.

11.9 Inspection Frequency Based on Probability of an Environmental or Human Health Incident [NR 664.0015(2)(d)]

The frequency of inspections conducted at the facility is based upon the rate of possible deterioration of a particular area of the probability that an environmental or human health incident would occur if there were deterioration, malfunction or operator error, which could possibly go undetected between inspections. In addition, inspections are based upon regulations (e.g., OSHA, Local Ordinances, etc.), industry standards and manufacturing recommendations. The specific frequency for each inspection can be found in the Total Preventative Maintenance (TPM) and inspection Plan - Appendix A [Appendix I]. When an inspection frequency is established as daily, it means the days for which the facility is operational and does not include when wastes and containers secured and are not being actively handled (e.g., weekends, holidays, etc.).

Inspections are documented by internal trained designated employees or qualified outside contractors. The inspector is required to check the status of the pre-determined listed item on the form and indicate whether its condition is acceptable or unacceptable. If the status of a particular item is found unacceptable, it should be recorded. If the repair is immediately addressed, this will be documented on the inspection form itself. If the repair needs to be addressed at a different time or outside services are required, this should be indicated on the inspection form. The inspection forms should be submitted to the Operation Manager upon completion and all actions to correct any deficiencies will be documented in the Corrective Action Log. Specific details can be found in the Total Preventative Maintenance and Inspection Plan - Appendix I.

In addition to scheduled inspections, informal visual operator inspections are performed prior to the start of their work area to ensure their safety and the environment around them. The visual inspection includes container leaks, spills, general equipment and tool condition, communication equipment, personal protective equipment and other items that are used daily in the course of their work. Operators will promptly correct the issue or communicate the issue to the Operation Manager.

11.10 Schedule to Remedy [664.0015(3)]

The Operation Manager shall review the inspection report and sign/date the report to verify review and acceptance of the inspection results. If the inspection form indicates unacceptable conditions, the Operation Manager will enter the item into the Corrective Action Log [Total Preventative Maintenance and Inspection Plan - Appendix B] and assign a priority level to resolve the current unacceptable condition. All actions to correct any deficiencies will be documented in the Corrective Action Log. Specific details can be found in the Total Preventative Maintenance and Inspection Plan - Appendix I.

11.11 Inspection Log Retention [NR 664.0015(4)]

The inspection schedule, inspection form and/or documentation, the corrective action log, and repair documentation shall be maintained electronically (scanned copies of forms, reports, repair documentation, etc.) for a minimum period of three (3) years.

PART 1: SECTION J. CONTINGENCY PLAN REQUIREMENTS

1J.1 Contingency Plan [NR 670.014(2)(g)]

A copy of the Contingency Plan (referred to as Emergency Management Plan) is included as Appendix J.

1J.2 Purpose and Scope [NR 664.0051(1)]

Refer to the Emergency Management Plan - Section 1.1 [Appendix J].

1J.3 Implementation of Contingency Plan [NR 664.0051(2)]

Refer to the Emergency Management Plan - Section 5.1 through 5.6 [Appendix J].

1J.4 Emergency Response Procedures [NR 664.0052(1)]

Refer to the Emergency Management Plan - Section 10.1 through 10.7 [Appendix J].

1J.5 SPCC Plan [NR 664.0052(2)]

The facility is required to have a Spill Prevention, Control and Countermeasure (SPCC) Plan [Appendix K]. The plan is a standalone plan and has not been incorporated into the Emergency Management Plan [Appendix J].

1J.6 Arrangements with Local Emergency Agencies [NR 664.0052(3)]

Refer to the Emergency Management Plan - Section 18.1 through 18.3 [Appendix J].

1J.7 List of Emergency Coordinator and Alternates [NR 664.0052(4)]

Refer to the Emergency Management Plan - Appendix A [Appendix J].

1J.8 List of Emergency Equipment [NR 664.0052(5)]

Refer to the Emergency Management Plan - Appendix C [Appendix J].

1J.9 Evacuation Plan [NR 664.0052(6)]

Refer to the Emergency Management Plan - Section 12.1 through 12.2 [Appendix J].

1J.10 Plan Distribution [NR 664.0053]

Refer to the Emergency Management Plan - Appendix E [Appendix J].

1J.11 Plan Amendments [NR 664.0054]

Refer to the Emergency Management Plan - Section 23.1 [Appendix J].

1J.12 Emergency Coordinator [NR 664.0055]

Refer to the Emergency Management Plan - Section 6.1 [Appendix J].

1J.13 Emergency Coordinator Knowledge [NR 664.0055]

Refer to the Emergency Management Plan - Section 5.1 through 5.4 [Appendix J].

1J.14 Emergency Coordinator Authority [NR 664.0055]

Refer to the Emergency Management Plan - Section 4.1 [Appendix J].

1J.15 Activates Alarm and Notifies Local Authorities [NR 664.0056(1)]

Refer to the Emergency Management Plan - Section 16.1 through 16.3 [Appendix J].

1J.16 Identifies Emergency Details [NR 664.0056(2)]

Refer to the Emergency Management Plan - Section 10.5 [Appendix J].

1J.17 Identifies Human Health and Environmental Hazards [NR 664.0056(3)]

Refer to the Emergency Management Plan - Section 10.5 [Appendix J].

1J.18 Local Authority Notification [NR 664.0056(4)(a)]

Refer to the Emergency Management Plan - Section 10.5 [Appendix J].

1J.19 Emergency Response Officials Notification [NR 664.0056(4)(b)]

Refer to the Emergency Management Plan - Section 20.1 through 20.2 [Appendix J].

1J.20 Preventing Spread of Emergency [NR 664.0056(5)]

Refer to the Emergency Management Plan - Section 10.5 [Appendix J].

1J.21 Monitoring Emergency [NR 664.0056(6)]

Refer to the Emergency Management Plan - Section 10.3 and 10.5 [Appendix J].

1J.22 Disposal of Materials from Emergency [NR 664.0056(7)]

Refer to the Emergency Management Plan - Section 11.1 [Appendix J].

1J.23 Incompatibilities Between Waste and Emergency Materials [NR 664.0056(8)(a)]

Refer to the Emergency Management Plan - Section 10.5 [Appendix J].

1J.24 Restoring Emergency Equipment [NR 664.0056(8)(b)]

Refer to the Emergency Management Plan - Section 11.2 [Appendix J].

1J.25 Operating Log and Incident Reporting [NR 664.0056(9)]

Refer to the Emergency Management Plan - Section 20.1 through 20.2 [Appendix J].

PART 1: SECTION K. TRAINING PLAN REQUIREMENTS

1K.1 Training Outline [NR 670.014(2)(L)]

Refer to the Training and Competence Plan - Section 7.1 [Appendix L].

1K.2 Hazardous Waste Management Training [NR 664.0016(1)(b)]

Refer to the Training and Competence Plan - Section 7.1 [Appendix L].

1K.3 Training for Emergencies [NR 664.0016(1)(c)]

Refer to the Training and Competence Plan - Section 7.1 [Appendix L].

1K.4 New Position Training [NR 664.0016(2)]

Refer to the Training and Competence Plan - Section 9.1 [Appendix L].

1K.5 Training Documentations [NR 664.0016(4)]

Refer to the Training and Competence Plan - Section 10.1 [Appendix L].

1K.6 Training Designed to Meet Actual Job Tasks [NR 670.014(2)(L)]

Refer to the Training and Competence Plan - Section 8.1 [Appendix L].

PART 1: SECTION L. CLOSURE PLAN REQUIREMENTS

1L1. Closure Plan [NR 670.014(2)(m), NR 664.112 and 664.142]

This section constitutes as the closure plan and has been established to describe the final closure activities that will be performed to close the facility. The scope of this plan is limited to providing closure for the hazardous waste container management units. A copy of this plan will be kept at the facility and available for inspection during the operating life of the facility. The closure plan requirements and hazardous waste management unit closure cost summary has been reviewed and certified by Wisconsin registered PE [Appendix T-01].

This plan will be amended whenever changes in the design or operating plans of the facility cause a change in closure procedures. A request for modification will be submitted at least 60-days prior to any proposed change in the facility design or operation that affects this closure plan or no later than 60-days after an unexpected event has occurred that affects the closure plan.

1L.2 Closure to Minimize Need for Further Maintenance [NR 664.0112(2)(a)]

The purpose of the closure plan is to conduct closure operations in a controlled manner to ensure there is no escape of hazardous waste, hazardous constituents, leachate, contaminated run-off or hazardous waste decomposition products to the ground or surface waters or to the atmosphere to the extent necessary to protect human health and the environment or require a need for further maintenance thereafter. In the event that this is not or can not be achieved during the closure operations, further investigation and remediation will be performed in accordance with WDNR NR 664.0110(2) to establish a long-term care plan.

1L.3 Closure to Minimize Post Closure Escape [NR 664.0112(2)(a)]

The purpose of the closure plan is to conduct closure operations so no further hazardous waste or contaminated hazardous waste surfaces are present so there is no post closure escape of hazardous waste, hazardous constituents, leachate, contaminated run-off or hazardous waste decomposition products to the ground or surface waters or to the atmosphere to the extent necessary to protect human health and the environment. In the event that this is not or can not be achieved during the closure operations, further investigation and remediation will be performed in accordance with WDNR NR 664.0110(2) to establish a long-term care plan.

1L.4 Extent of Operations During Facility Life [NR 664.0112(2)(b)]

While in operation, the facility will operate and manage the following hazardous waste management units:

- Hazardous Waste Container Staging and Storage Area (RM124)
- Hazardous Waste Container Storage and License Exempt Processing (RM125)
- Hazardous Waste Container Storage, Licensed Treatment, and License Exempt Processing (RM126)
- Hazardous Waste Storage (East Loading Docks #2, #3 and #4)
- Hazardous Waste Storage (Tanker Filling Area #1 and #2)

The facility has no land disposal operations and therefore, the facility can operate indefinitely provided the operations by the facility are warranted.

1L.5 Maximum Inventory [NR 664.0112(2)(c)]

The closure plan is based on the total hazardous waste under the License Design Capacity in each storage area during the active life of the facility. The facility will not store more than the maximum storage quantity within each hazardous waste management unit identified below.

The method for removing the waste containers from the facility during closure will include identifying, labeling, loading and manifesting containers to be sent off-site for disposal.

Area	Use	Floor Area (sf)	Maximum Storage	
			55-Gal Equiv.	Gallons
RM 124	HW Container Staging/Storage	4,646	616	33,880
RM 125	HW Container Storage/License Exempt-Processing	5,091	784	43,120
RM 126	HW Container Storage/License Treatment	1,056	160	8,800
East Loading Docks	HW Storage	1,850	N/A	18,000
Tanker Filling Area #1	HW Storage	616	N/A	6,000
Tanker Filling Area #2	HW Storage	616	N/A	6,000
TOTALS		13,810	1,560	115,800

1L.6 Inventory Removal and Disposal [NR 664.0112(2)(c)]

At the time of closure operations, inventory of hazardous waste present at the facility may be processed through Hazardous Waste License Exempt Processes (Part 1 Section 1A.8.10.6) or through Hazardous Waste Treatment (Part 1 Section 1A.8.10.7) prior to being shipped off-site. Stored inventory of hazardous waste present at the facility will be shipped off-site as Hazardous Waste Outbound Shipments (Part 1 Section 1A.8.10.10). The shipments of hazardous waste will be via semi-trailer or tanker truck and be transported to a treatment, storage and disposal facility for proper management.

1L.7 Off-Site Management [NR 664.0112(2)(c)]

Inventories of hazardous waste identified during final closure shall be shipped off-site to other active TSD facilities and will be managed through fuel blending, stabilization or incineration.

1L.8 Removal and Decontamination [NR 664.0112(2)(d)]

The steps necessary to remove or decontaminate all hazardous waste residues and contaminated containment system components, structures and soils during partial or final closure are described below to the extent of decontamination required to satisfy the closure performance standard.

Prior to decontamination occurring, facility personnel and a Wisconsin registered certifying PE will review the facility history and all records of spills and releases in developing a detailed decontamination plan. The decontamination plan will be consistent with this closure plan and establish details for the number and layout of decontamination areas, the equipment needed, the appropriate decontamination methods, procedures to prevent contamination of clean areas, criteria for deeming successful decontamination, methods and procedures to minimize worker contact with contaminants during removal of personal protective equipment, and methods for disposing of waste generated and personal protective equipment that are not completely decontaminated. The facility history and records of spills and releases will be taken into consideration when developing the decontamination plan by facility personnel and the Wisconsin

registered certifying PE. The decontamination plan will be retained as part of the closure documentation. The general contents of the decontamination plans are summarized below.

Prior to the decontamination of the licensed hazardous waste storage and treatment areas, all containerized waste will be shipped off-site to a third-party off-site facility for appropriate treatment and disposal. All equipment or tools that will not remain in place after closure will be decontaminated and removed. The inside concrete floors (including curbs, ramps and gutters), installed equipment that will remain (such as electrical, plumbing and HVAC components) and building structure components (such as potentially-impacted walls and ceilings) will be inspected, cleaned, decontaminated and temporarily repositioned as needed to allow for decontamination of floor and structure areas. The concrete floors will be swept to remove any solid residue or debris (by scraping off hardened residue) and then visually inspected for evidence of spills, cracks, or gaps. If spills are identified, they will be cleaned up appropriately prior to further decontamination operations. If minor cracks or gaps are present, they will be sealed prior to decontamination. Any cracks or gaps identified that can hold contaminants or may extend through the entire thickness of the concrete slab would trigger the need for closer investigation and may require investigation of soil contamination by the Wisconsin registered PE certifying the closure prior to decontamination. The decontamination method will include pressure washing each hazardous waste management units with high-pressure water (3,000psi at ambient temperature) to scour the surface to remove contaminants on the concrete floors and structures. Soaps, detergents and other cleaners may be added to the water as needed/appropriate. The rinsate will be collected and analyzed by a third-party certified laboratory prior to proper disposal. After pressure washing, a final water rinse over all surfaces will be done, taking care to avoid unnecessary dilution, and this final rinsate will be collected for testing. The effectiveness of the decontamination procedures for the concrete and structure will be deemed effective if the laboratory analysis of representative sample(s) demonstrates that the final rinsate meet the closure performance standards in NR 664.0111. If observations and testing indicate that contaminants do not meet the closure performance standards in NR 664.0111, the pressure washing process will be repeated. If pressure washing cannot achieve decontamination, steam cleaning will be conducted on surfaces.

Prior to decontamination of licensed outside secondary containment areas, the secondary containment areas will be inspected to identify accumulation of precipitation (rain water, snow or ice) or any indication of a spill or leak being present. If precipitation is identified, it is discharged in accordance with Accumulated Liquid Removal and Analysis (Part 2 Section 2B.5). If a spill or leak is present, it will be containerized and sent off-site for proper disposal. The secondary containment concrete floors will be swept to remove any solid residue or debris and visually inspected for evidence of cracks or gaps. If minor cracks or gaps are present, they will be sealed prior to decontamination. Any cracks or gaps identified that extend through the entire thickness of the concrete slab would trigger the need for investigation of soil contamination by the PE certifying the closure prior to decontamination. The decontamination method will be the same as indicated above. Any storm water entering into the secondary containment area during decontamination activities will be collected and transferred into tanker truck that will be transported off-site for proper treatment and disposal. The Wisconsin registered certifying PE will assess the discharge piping, manhole and control valve system to confirm that the closure performance standards in NR 664.0111 are met.

The asphalt paved roads and parking area will be brushed and swept and left in place. Surface soil samples will be collected from unpaved areas which border the outside hazardous waste storage areas of the facility which will be sampled and analyzed to determine if contamination is present. The soil sampling will target areas that were known or most likely known to have been impacted. At a minimum, five one-quart soil samples will be individually collected from each of five separate surface locations of each grid segment. Each individual sample will be thoroughly mixed and retained. A one-quart composite sample will be prepared to represent the grid segment by taking an equal volume of soil from each of the individual five one-quart soil samples. This composite sample will be analyzed to determine if the unpaved grid area has been contaminated. The sampling will be conducted consistent with the methods established in NR 700-799. The samples will be analyzed, at a minimum, for TCLP parameters. Additional sample may be required if recommended by the certifying PE. Soils will be considered uncontaminated if they do not exceed the applicable standards in NR 700-799, notification, investigations and remediation in accordance with NR 700-799 will occur prior to closure certification.

The facility laboratory and its contents will be thoroughly cleaned of all hazardous waste and constituents. Unless it is to remain in place after closure, lab equipment, glassware and non-waste chemicals will be salvaged and sold. All waste samples and waste laboratory chemicals will be lab packed and sent off-site for proper disposal.

1L.9 Meeting Closure Performance Standards [NR 664.0112(2)(e)]

All closure activities will be monitored by an independent registered professional engineer. Upon conclusion of closure activities, the registered professional engineer will provide certification that all closure performance standards have been met per NR 664.0111 and NR 664.0115. No additional groundwater monitoring, leachate collection or run-on and run-off controls are expected to be required during the partial or final closure activities to ensure that closure standards are attained.

1L.10 Closure of Container Area [NR 664.0178]

For closure of container areas see the Removal and Decontamination (Part 1 Section 1.L8).

1L.11 Closure of Tank System [NR 664.0197(1)]

The facility does not have licensed hazardous waste storage tanks on-site and therefore, this section is not applicable.

1L.12 Schedule for Closure of Each HWMU and Final Closure [NR 664.0112(2)(f)]

The estimated times to perform the closure tasks are listed in Hazardous Waste Management Unit Closure Cost Summary [Appendix T-02]. These tasks may be performed concurrently with each other. It is estimated that the time to conduct closure activities is 13-days and final closure of the facility to be 30-days. If partial closure is planned, then this closure plan will be modified accordingly and approved.

1L.13 Estimated Year of Closure [NR 664.0112(2)(g)]

The facility does not use trust funds to establish financial assurance. In addition, the facility does not expect to close prior to the expiration of the operating license. Therefore, the estimated year of final closure is not required.

1L.14 Alternative Requirements [NR 664.0112(2)(h)]

At the present time the WDNR has not required alternative requirements for the facility and that there are no regulated units, as defined in NR 664.0090.

1L.15 Department Notification [NR 664.0112(4)(a)]

The facility will notify the Department, in writing, at least 180-days prior to the intent for a partial or final closure of a hazardous waste management unit.

1L.16 Final Receipt of Hazardous Waste [NR 664.0113(1)]

Within 90-day after receiving the final volume of hazardous wastes, the facility will treat or remove from the licenses hazardous waste facility, all hazardous waste in accordance with the approved Closure Plan. If additional time is required, an extension will be requested from the WDNR in accordance with NR 664.0113(1)(a) and 664.0113(1)(b).

1L.17 Completion of Partial of Final Closure [NR 664.0113(2)]

Within 180-days after receiving the final volume of hazardous wastes, the facility will complete partial or final closure activities in accordance with the approved closure plan. If addition time is required, an extension to the closure period will be requested from the WDNR in accordance with 664.0113(2)(a) and 664.0013(2)(b).

1L.18 Disposal or Decontamination of Equipment, Structures and Soil [NR 664.0114]

During the decontamination of licensed hazardous waste storage and treatment areas and outside secondary containment areas described under Removal and Decontamination (Part 1. Section 1L.8), the facility may potentially become a generator of hazardous waste including:

- hazardous (RCRA) rinsate from concrete surface decontamination activities
- non-hazardous (Non-RCRA) rinsate from concrete surface decontamination activities
- non-hazardous (Non-RCRA) personal protective equipment

If hand tools or the actual decontamination equipment itself used during the partial or final closure of the decontamination process, they will be decontaminated by rinsing. The rinsate shall be collected and be properly disposed.

1L.19 Certification of Closure [NR 664.0115]

Within 60-days of completion of the final closure of the facility, the facility will submit to the WDNR, by registered mail, a certification that the hazardous waste management facility has been closed in accordance with the specifications in the approved Closure Plan. The certification will be signed by the owner or operator and by a qualified professional engineer. The documentation supporting the professional engineer's certification shall retained by the facility and furnished to the department upon request until the WDNR releases the owner or operator from financial assurance requirements from closure. The documentation will include detailed information showing how the requirements of this Closure Plan were achieved, including a detailed description of the work performed, inspection findings and results, sampling and analysis methods and results, information on how wastes and residues were managed (including quantities, waste types, shipping documents), drawings to support the description of the work and sampling/analysis, and photos before, during and after closure activities.

Partial closure of the facility does not require certification of closure unless the owner/operator desires approval and release from associated financial assurance obligations. However, the facility will maintain documentation supporting the partial closure activities for use in the future for final closure certification.

PART 1: SECTION M. CLOSURE COST ESTIMATE AND FINANCIAL RESPONSIBILITY

1M.1 Closure Cost Estimate [NR 670.014(2)(o) and NR 664.0142(1)]

The current closure cost estimate for the facility is established under the closure plan (Part 1 Section L) for Hazardous Waste Management Unit Closure Cost Summary [Appendix T-02]. The closure costs include the five hazardous waste management units where license storage, exempt-processing and treatment is conducted. See License Design Capacity (Part 1 Section 1A.8.10.13) for each storage area. The closure costs are based on the work described in the closure plan (Part 1 Section L).

1M.2 Most Expensive Costs Used in Cost Estimate [NR 664.0142(1)(a)]

The closure cost estimate is based on the maximum inventory levels under the License Design Capacity (Part 1 Section 1A.8.10.13) in each storage area.

1M.3 Third Party Closure of Facility [NR 664.0142(1)(b)]

The closure cost summary includes the hiring of a third party to close the facility at the “worst case” condition in accordance with the closure plan and closure standards in NR 664. For the purpose of closure costing, the third party is a party who is neither a parent corporation nor a subsidiary of the owner or operator.

1M.4 Salvage Value Not Used in Closure Cost [NR 664.0142(1)(c)]

The closure cost estimate does not incorporate any salvage value that may be realized from the sale of hazardous wastes, facility structures or equipment, land or other assets associated with the facility at the time of partial or final closure.

1M.5 Zero Cost Not Allowed [NR 664.0142(1)(d)]

The closure cost estimate does not incorporate a zero cost for hazardous wastes that might have an economic value.

1M.6 Estimated Financial Assurance for Closure [NR 664.0143]

The facility shall establish financial assurance for the closure of the facility in the form of a closure letter of credit [Appendix T-03].

1M.7 Closure Insurance Applicable Requirements [NR 664.0143]

The facility shall provide proof of closure insurance [Appendix O] applicable to requirements NR 664.0143.

1M.8 New Facility Requirement [NR 670.014(2)(o)]

A copy of the documentation required to demonstrate financial assurance shall be submitted no later than 60-days prior to the initial receipt of hazardous waste.

PART 1: SECTION N. POLLUTION LIABILITY INSURANCE

1N.1 Insurance Policy [NR 670.014(2)(q)]

The current liability insurance certificate for the facility can be found on the effective Certificate of Insurance (COI) document [Appendix O].

1N.2 Third Party Bodily Injury and Property Damage [NR 664.0147(1)]

The current liability insurance policy for the facility provides coverage for bodily injury and property damage to third parties caused by sudden accidental occurrences arising from operations at the facility.

1N.3 Coverage Levels [NR 664.0147(1)]

The current liability insurance policy for the facility provides liability coverage for sudden accidentally occurrences in the amount of at least \$1 million per occurrence with an annual aggregate of at least \$2 million exclusive of legal defense costs.

1N.4 New Facility [NR 670.014(2)(q)]

This is a new licensed hazardous waste facility and therefore, the owner and operator plan to have in effect before initial receipt of hazardous waste for treatment, storage and disposal an insurance policy with documentation showing the amount of insurance meeting the specifications of NR 664.0147(1) and 664.0147(2).

PART 2: SECTION A. CONTAINER STANDARDS - INSPECTIONS

2A.1 Weekly Inspections [NR 670.014(2)(e), NR 664.0174 and NR 664.0175]

On a weekly basis an inspection of container storage areas shall be conducted to identify any leaking or compromised container integrity and to identify and deterioration of the secondary containment system. If a leaking or compromised container or any other abnormal condition or deterioration is identified during the inspection, it should be immediately remedied to ensure the problem does not lead to an environmental or human health hazards. The inspection will be documented as depicted in the Total Preventative Maintenance and Inspection Plan [Appendix I] including any corrected actions taken.

2A.2 Frequency of Container Storage Area Inspections [NR 670.014(2)(e) and NR 664.0015(2)(d)]

The inspection of container storage areas will be conducted weekly as depicted in the Total Preventative Maintenance and Inspection Plan [Appendix I]. In addition, on an annual basis all containers will be removed from each storage area and secondary containment system to visually inspect for evidence of deterioration and to ensure the areas are free of cracks or gaps and sufficient impervious to contain leaks, spills and accumulated precipitation.

2A.3 Subpart CC Container Inspections [NR 670.014(2)(e) and NR 664.1086]

Upon receipt at the facility, the containers are visually inspected during the receiving process to confirm that the containers are free from severe rust, have no visible holes, gaps or other open spaces with special attention to the covers, gaskets and closure devices on containers. It is the responsibility of the receiving department personnel for inspecting the inbound containers and confirming the containers meet the Container Level 1 or Container Level 2 controls at the time of acceptance. See Receiving (Unloading) of Inbound Containers (Part 1: Section 1A.8.10.3) for more specific receiving inspection details. While in storage, waste containers shall be inspected at least weekly in accordance with the Total Preventative Maintenance and Inspection Plan [Appendix I].

2A.4 Subpart CC Container Emission Control [NR 670.014(2)(e), NR 664.1088 and NR 670.014(2)(e)]

The facility operates three areas that store containers that are subject to Subpart CC standards due to the volatile organic (VO) concentration of the RCRA hazardous waste being at least 500 ppmw at the point of generation. These areas include the RM 124 Staging/Storage Area, RM 125 Storage/Exempt License Process Area and RM 126 Storage/Treatment Area depicted on the Container Storage Map [Appendix G-08]. The facility does not operate any floating roof covers, enclosures, floating membrane covers, closed-vent systems and is not required to maintain emission monitoring plan for containers provided they continue to meet the Container Standard (NR 664.1086) requirements.

Containers subject to this standard must be equipped with an organic-vapor repressing barrier which is fulfilled by the use and acceptance of U.S. DOT approved containers or containers equipped with a cover and closure device. Typical container sizes and applicable code requirements are as follows. however, it should be noted the facility does manage hazardous waste in varying sized containers including small cans:

DOT Certified Containers

Container Size (DOT Approved)		Service of Container	Container Control Level
30-Gallon Drum	0.114 cubic meters	Light Material Service	Container Level I
55-Gallon Drum	0.21 cubic meters	Light Material Service	Container Level I
275-Gallon Tote	1.04 cubic meters	Light Material Service	Container Level II
330-Gallon Tote	1.25 cubic meters	Light Material Service	Container Level II
6,000-Gallon Tanker	22.7 cubic meters	Light Material Service	Container Level II

The facility utilizes the Standards for Containers (NR 664.1086) which states that containers greater than 0.1 m³ (26.42 gallons) and less than or equal to 0.46 m³ (121.5 gallons) are subject to Container Level 1 standards and containers larger than 0.46 m³ are subject to Container Level 2 standards. The facility's compliance with both standards can be achieved using a container that meets U. S. Department of Transportation (DOT) regulations on packaging hazardous materials for transportation. See Hazardous Waste Container Opening and Waste Transfers (Section 1A.8.10.11) for additional details on transferring, closure and inspections of containers. The containers will be inspected to ensure that the container complies with the appropriate DOT performance packaging code for the contents contained within the container.

The facility transfers materials in a manner to minimize exposure of exposures of hazardous waste to the atmosphere. The facility does not conduct stabilization of waste in containers that would require implementation of Level 3 standard.

The facility does not operate any Subchapter CC closed vent systems or control devices to control air emissions and therefore, the requirements for inspection and monitoring of air control equipment is not applicable.

2A.5 Subpart CC Container Inspection Frequency [NR 670.014(2)(e) and NR 664.1015(2)(d)]

If the frequency of container inspections required under Subpart CC Container Standard - Inspection (Part 2: Section A) show a rate of deterioration to the containers or their closures that would lead to a probability of an environmental or human health incident, the inspection frequency will be increased.

PART 2: SECTION B. CONTAINER STANDARDS - CONTAINMENT

2B.1 Containment System Integrity [NR 664.0175(2)(a)]

The inside warehouse rooms where hazardous waste containers are stored (RMs 124, 125 and 126) are constructed of concrete floors and walls and are covered with a roof. The concrete floors are 7" thick and free of cracks, gaps and are non-porous due to impregnating the floors with an additive (Xyper C-500) upon construction and the installation of chemical resistant water stop (Envirostop TPER) as part of the foundation. The curbing and ramps inside the building are at least 6" above the floor level to prevent spills from exiting the building. The floors and landings within the building are flat with the sloped ramps to man doors and loading docks. The expansion joints are sealed with a chemically resistant barrier (Synthacalk GC2 - see Joint Sealer and Concrete Additive Specification under Appendix U-03) that is designed to containing leaks and spillage until it can be detected and removed. Displacement volumes caused by pallets, containment pallets, forklift wheels, floor scales and other equipment are limited and will not significantly impact secondary containment capacities.

The secondary containment associated with the east loading docks (Docks #2, #3 and #4) are constructed of 6" concrete that is free of cracks and gaps and is non-porous due to impregnating the floors with an additive (Xyper C-500) upon construction. The concrete pad is sloped downward towards the building and has a concrete trench drain that runs the length of the pad and connects to a manhole with a control valve that is normally maintained in the closed position. The manhole drains into a stormceptor that is located at the top of the concrete pad and surrounded by asphalt prior to discharge to the retention pond. On each side of the cement pad is 10' wide sloped asphalt walls. The expansion joints within the concrete pad are sealed with a chemically resistance barrier (Synthacalk GC2 - See Joint Sealer and Concrete Additive Specifications under Appendix U-03) that is designed to contain leaks, spillage and accumulation of precipitation until it can be detected and removed. The only displacement volume in this area is associated with tanker/trailer tires and will not significantly impact secondary containment capacities. The storage of hazardous waste in the east load docks are for non-routine event such as vehicle issues, receiving facility cancellation or abnormal industry shut-down periods. It is anticipated that storage within this area will not exceed 30-days unless a different time period is requested and approved by the Department on a case-by-case basis.

The secondary containment associated with the tanker filling pad areas and outside storage tank containment are constructed of 6" concrete that is free of cracks and gaps and is non-porous due to impregnating the floors with an additive (Xyper C-500) upon construction. The concrete pads are side by side and sloped inward towards the concrete and non-porous trench drain that runs into the above ground storage tanks secondary containment structure. The Tanker Filling Area Pad #1 and #2 does not independently provide containment but drains to the above ground storage tank secondary containment structure. The Tanker Filling Area Pad #1 and #2 and tank secondary containment structure is affixed with a chemical resistant water stop (Envirostop TPER - see Waterstop and Stormceptor System Specifications in Appendix U-04) and contains a sump (2'x2'x2' deep) which is connected to a manhole with a control valve that is maintained in the closed position. The pipes and valve systems that are a part of the secondary containment for the two outdoor storage areas were constructed, and are maintained, to be watertight. The concrete walls associated with the secondary containment structure are 2 feet high. The discharge from the

secondary containment structure is routed to the stormceptor prior to discharge into the retention pond. The purpose of the stormceptor is to remove free oil and suspended solids from storm water that is discharged from the containment area after a rainfall prior to release to the environment. The expansion joints within the concrete pads are sealed with a chemically resistance barrier (Synthacalk GC2 - see Joint Sealer and Concrete Additive Specification under Appendix U-03) that is designed to route any leaks, spillage and accumulation of precipitation to the secondary containment structure until it can be detected and removed. The displacement volume in this area is associated with tanker/trailer tires, the base of the above ground storage tanks, pump and auxiliary metal brackets and stairways and will not significantly impact secondary containment capacities. The storage of hazardous waste in the tanker filling pad areas are for non-routine event such as vehicle issues, receiving facility cancellation or abnormal industry shut-down periods. It is anticipated that storage within this area will not exceed 30-days unless a different time period is requested and approved by the Department on a case-by-case basis.

2B.2 Containment System Protection from Accumulated Liquids [NR 664.0175(2)(b)]

The inside hazardous waste storage areas (RM124, RM125, RM126) store containers elevated on pallets (typical wood and 48x48 in size) to protect the containers from contact with accumulated liquid.

The east loading docks and tanker loading pads have tanker/trailer elevated by a chassis stored in these areas for non-routine storage events. It is not anticipated that the tanker/trailer container would come into contact with accumulated liquid.

2B.3 Containment System Capacity [NR 664.0175(2)(c) and NR 670.015(1)(c)]

The warehouses, loading docks and tank filling area secondary containment system capacity has been calculated based upon the current as-built conditions of the facility and meets 10% of the volume of containers stored within the various areas, or the volume of the largest container. It should be noted that RM 124, RM 125 and RM 126 are inter-connected (with no barriers or segregation from room to room) and therefore the total aggregate of secondary containment for these rooms as a whole are used in the secondary containment calculations”.

The containment calculations and associated drawings for each area within can be found in the Secondary Containment Calculations [Appendix U-01]. Appendix U also considers containment volumes from displacement, fire suppression systems, and precipitation.

The storage and secondary containment system capacities for the hazardous waste container storage areas for the facility are depicted below.

Area	Use	Floor Area	Maximum Storage ^(b)		Secondary Containment ^(c)			
			Maximum Hazardous Waste Storage Capacity		Minimum Required Containment		Largest Container	Actual Containment Capacity ^(d)
			55-Gal Equivalents	Gallons	55-Gal Equivalent	Gallons	Gallons	Gallons
RM 124 ^(a)	Hazardous Waste Staging and Storage	4,646	616	33,880	62	3,388	330	12,895
RM 125	Hazardous Waste Storage	5,091	784	43,120	78	4,312	330	15,227

Enviro-Safe Resource Recovery
Feasibility and Plan of Operation Report

RM 126	Hazardous Waste Storage/Treatment	1,056	160	8,800	16	880	330	3,076
Total		10,793	1,560	85,800	156	8,580	N/A	31,198
East Loading Docks	Hazardous Waste Storage	1,785	N/A	18,000	N/A	N/A	6,000	13,087
Tanker Fill Area #1 and #2	Hazardous Waste Storage	616	N/A	12,000	N/A	N/A	6,000	27,077

N/A = Not Applicable

(a) All of RM 124 can be used for temporary staging of up to 616 drums (double stacked) which represents the largest possible total container volume in RM 124. When not used for staged containers, the west part of RM 124 can be used for licensed storage of up to 376 drums (double-stacked).

(b) Maximum hazardous waste storage capacity (gallons and drum count) is derived from the container/pallet layout on Container Storage Map [Appendix G-08], and assumes that pallets are doubled stacked. Includes all hazardous waste in storage, all containers that are temporarily staged (less than 24 hours) and all other containers with free liquids (hazardous and non-hazardous) in storage. This provides the basis for secondary containment.

(c) Secondary containment capacity requirement is 10% of the total container volume or largest container volume, whichever is larger which is identified in italic. Secondary containment capacities for RM 124, RM 125 and RM 126 are combined into a single containment area.

(d) Secondary containment capacities are presented in the Secondary Containment Calculations [Appendix U-01].

2B.4 Run-On Prevention [NR 664.0175(2)(d) and NR 670.015(1)(d)]

The hazardous waste staging, storing and/or treatment in RM 124, RM 125 and RM 126 are contained within the building which is enclosed with a roof and sidewalls to prevent run-on from precipitation. The East Loading Docks and Tanker Filling Area #1 and #2 are outside the building and are not enclosed nor do they have a roof and therefore, rain and snowmelt are not prevented from becoming present within the secondary containment for these areas. The rain and snowmelt that collects in secondary containment is removed in a timely manner and the secondary containment systems have sufficient capacity to accommodate a 24-hour, 25-year rain fall event (see Secondary Containment Calculations - Appendix U).

2B.5 Accumulated Liquid Removal and Analysis [NR 664.0175(2)(e) and NR 670.015(1)(e)]

All container storage areas are inspected on a daily operating basis for leaks or spillage. In the event accumulated liquid is discovered for an incidental release, the absorbent materials available in the spill kits will be used to conduct cleanup operations. If the accumulated liquid discovered is of significant volume, it will be removed from the containment area by vacuum tanker or other devices. If the accumulated material is solid or a slurry it will be cleaned up using a shovel, scoop or other devices or methods. The spill and cleanup material accumulated and removed will be placed into a compatible container and analyzed to determine proper disposal. The analysis conducted will be dependent upon the material leaked or spilled and conducted in accordance with the Waste Analysis Plan [Appendix H]. Spilled or leaked waste shall be cleaned up as soon as possible to prevent harm to humans and the environment. Precipitation accumulated shall be removed within 24-hours or less after the event has concluded.

The secondary containment associated with the loading docks and tanker filling areas are equipped with an open and closed manual valve that remain in the closed position except when manually discharging evaluated rainwater. The secondary containment areas will be inspected on a daily basis to identify accumulation of precipitation (rainwater, snow or ice) or any indication of a spill or leak being present. If any accumulation of liquid is identified during the daily inspection, it should be

determined if precipitation would be expected based upon recent weather conditions (rain event, snow events, etc.). The accumulated precipitation will be visually evaluated. The evaluation shall include observations of color, odor, clarity, turbidity, floating solids, foam, oil sheen, or any other indications of contamination. If the visual evaluation of accumulated precipitation shows no indication of contamination, the precipitation will be identified as uncontaminated rainwater, snow or ice. If the precipitation is uncontaminated rainwater, it can be discharged to the retention pond using the manual drain valve. The drain valve must be closed after draining. If the precipitation is uncontaminated snow or ice, it can be shoveled or plowed out from the area. In the event the visual evaluation indicates that the precipitation has been contaminated, the Operations Manager should be informed to determine next steps which may include analytical testing, pumping the materials from the secondary containment areas and/or sumps into containers or a tanker truck, or shoveling and collecting the snow into containers for proper disposal. The visual evaluation results and precipitation removal shall be documented and maintained on file for a minimum period of three years.

2B.6 Containment for F020, F021, 022, F023, F026, F027 Waste [NR 664.0175(4)]

Enviro-Safe will store containerized hazardous waste with the EPA hazardous waste codes F020, F021, F022, F023, F026 or F027 and therefore, the containment system requirements of NR 664.0175(4) are not applicable and have been met.

2B.7 Containment Design [NR 670.015(1)(a)]

Drawings of the container storage areas showing drainage patterns and containment structures are provided in Secondary Containment Map [Appendix G-05]. There are no sanitary sewer drains in the licensed storage areas.

2B.8 Containment Design Provides Protection Against Accumulated Liquids [NR 670.015(1)(b)]

See Part 2, Section 2.B.2.

2B.9 Containment Capacity in Relationship to Volume Stored [NR 670.015(1)(c)]

See Containment System Capacity (Part 2: Section 2B.3).

2B.10 Run-On Prevention [NR 670.015(1)(d)]

See Run-On Prevention (Part 2: Section 2B.4).

2B.11 Analysis and Removal of Accumulated Liquids [NR 670.015(1)(e)]

See Accumulated Liquid Removal Analysis (Part 2: Section 2B.5).

2B.12 Storage of Containers with No Free Liquids [NR 670.015(2)]

All hazardous waste storage areas are designed to provide storage for containers holding free liquids. All hazardous waste storage areas meet the requirements of NR 664.0175(3) for the storage of waste with no free liquids.

2B.13 No Free Liquids Analysis [NR 670.015(2)(a)]

The facility does not designate separate storage areas for waste containing no free liquids, therefore, test procedures and results or other documentation or information to show that the wastes do not contain free liquid are not required.

2B.14 Design of Areas for the Storage of Waste with No Free Liquids [NR 670.015(2)(b)]

All hazardous waste storage areas are designed to provide storage for containers holding free liquids. All hazardous waste storage areas are designed and operated to meet the requirements of WDNR NR 670.015(2)(b) for the storage of waste with no free liquids.

PART 2: SECTION C. CONTAINER STANDARDS - INCOMPATIBLE, REACTIVE, IGNITABLE WASTE

2C.1 Ignitable Stored 50 Feet from Property Line [NR 664.0176]

The facility stores ignitable and reactive waste in containers. The majority of the hazardous waste processed and stored at the facility is ignitable. All areas used to process and store ignitable waste are located at least 50 feet from the facility's property line. The Facility Map [Appendix G-04] depicts the property line, 50-foot buffer and its proximity to the hazard waste storage area. Appendix V of WDNR NR 664 (as well as the DOT 49 CFR regulations regarding segregation of hazardous materials) were taken into consideration when developing this section.

2C.2 Storage of Incompatible Waste [NR 664.0177(3) and NR 664.0017(1)]

Containers to be stored are segregated with respect to their compatibility with other hazards classes in accordance with the DOT Hazardous Material Load and Segregation Chart (49 CFR 177.878). Using the hazard classifications of incoming waste, the warehouses have been designated for the storage of specific hazards classes which is based from the methodology of the DOT Hazardous Material Load and Segregation Chart (see DOT Hazardous Material Load and Segregation Chart Appendix P-01). When the same warehouse (RM 125 only) is used to store incompatible hazard classes and other materials that are incompatible, additional precautions such as containment pallets and separation are employed. The warehouse RM 125 is separated into storage areas (see Storage Compatibility Chart Appendix P-02). The containment pallets are used to prevent the potential mixing of incompatible materials should a leak or spill occur. The containment pallets are capable of holding 4 55-gallon containers and are only allowed to be stacked two high with the same hazard classes. In addition, incompatible materials will not be stored on the same pallet (whether a regular pallet or containment pallet). Separation of incompatible materials shall be a minimum of 20-feet.

The chart below describes the areas that are present within the different warehouse's spaces and the acceptable DOT classes that can be stored within the applicable warehouse/areas (see the Container Storage Map G-08). The Storage Compatibility Chart [Appendix P-02] depicts what classes can be stored within each area.

Storage Location	Storage Areas	Acceptable DOT Classes in Storage Area
RM 124 Storage	No Storage Areas	Flammable Gases (2.1), Non-Toxic Non-Flammable Gases (2.2), Flammable Liquids (3), Flammable Solids (4.1), Spontaneous Combustible (4.2), Dangerous When Wet Materials (4.3), Environmentally Hazards (9). No additional requirements.
RM 125 Storage	1	Corrosive Liquids (8). Must be stored on containment pallets. Acids and bases will be stored in separate rows.
RM 125 Storage	2	Lab Packs (storage segregation compliance with 49 CFR 173.12(e).
RM 125 Storage	3	Oxidizers (5.1), Organic Peroxides (5.2). Must be stored on containment pallets.

RM 125 Storage	4	Flammable Gases (2.1), Non-Toxic Non-Flammable Gases (2.2), Flammable Liquids (3), Flammable Solids (4.1), Spontaneous Combustible (4.2), Dangerous When Wet Materials (4.3), Environmentally Hazards (9). No additional requirements.
RM 126 Storage	No Storage Areas	Flammable Gases (2.1), Non-Toxic Non-Flammable Gases (2.2), Flammable Liquids (3), Flammable Solids (4.1), Spontaneous Combustible (4.2), Dangerous When Wet Materials (4.3), Environmentally Hazards (9). No additional requirements.

Lab packs will be stored in accordance with the DOT segregation requirements for waste material lab packs (49 CFR 173.12(3)).

Prior to waste being placed into storage, personnel will assess the compatibility of the waste in accordance with the Waste Analysis Plan pre-qualification and screening process [Appendix H]. If acceptable, the container will be moved to the designated storage location identified on the Container Inspection Form using the approved profile and fingerprint results that is established at the time the waste is approved to be received at the facility. When physically moving the container to the designated storage area, the waste already present in storage is reviewed to ensure no compatibility issues are present. It should be noted that the site does not treat, store or dispose of explosives (DOT Class 1) or radioactive materials (DOT Class 7).

All storage containers will be individually marked with the waste description and DOT hazard label to readily identify the associated hazard class. In addition, readily visible signs are used to identify the contents of each separate section of the licensed hazardous waste storage areas to assist in the prevention of inappropriate or potentially unsafe storage of hazardous wastes by personnel.

2C.3 Incompatible Waste Placed in Same Container [NR 670.0015(4)]

The facility does not process or treat reactive or incompatible wastes. The incoming material screening procedure will reveal if there are any incompatibility issues with the waste received at the facility. Incoming wastes are assessed under the Waste Analysis Plan [Appendix H] as part of the profiling, screening and compatibility testing. Any wastes identified as having a potential to liberate gases, heat, or undergo hazardous polymerization are segregated from other wastes. The results of compatibility screening will be documented as established in the Waste Analysis Plan [Appendix H]. Since identified containers of incompatible wastes are segregated and not processed or treated at the facility, incompatible wastes will not be placed together in the same container.

2C.4-2C.8 Precautions for Ignitable, Reactive and Incompatible Waste [NR 670.0017(2)(a) thru NR 670.0017(2)(e), NR 664.0117(1), NR 664.0017(2)(a) thru NR 664.0017(2)(e), and NR 664.0017(3)]

The hazards of each waste container are determined by reviewing the associated waste manifest and container labeling when the hazardous waste arrives at the facility followed by assessing the waste in accordance with the Waste Analysis Plan pre-qualification and screen process [Appendix H]. If acceptable, the container will be moved to the designated storage location. If the incoming pre-qualification and screening process reveals the material or waste is a reactive waste or has the potential to (1) liberate gases, heat or undergo hazardous polymerization, (2) produce uncontrolled toxic mists, fumes, dusts or gases in sufficient quantities to threaten human health or the environment, (3) produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosion, (4) produce a reaction that may damage the integrity of the container or facility, or (5) produce a reaction through other means to threaten human health or the environment, and can not be safely stored the container will not be allowed to be moved storage

and will be quarantined in the designated non-conforming material area in RM 124. Under the direction of the Technical Service Manager and Operation Manger, the shipment will be routed directly to the final waste management facility for treatment/disposal or the container will be rejected back to the generator.

Prior to consolidating waste with other wastes or materials as part of hazardous waste license exempt processes or treatment the waste mixture is tested for compatibility. Compatibility is evaluated to ensure that wastes do not adversely react with one another when they are commingled in containers or tankers. See the Waste Analysis Plan - Consolidating Waste (Appendix H - Section 6.0) for specific details.

Other administrative controls that are utilized while conducting processing and treatment includes implementing hot work procedures when work needs to be conducted involving open flames, cutting, welding or other hot work, the use of EE-rated forklifts (which means the motor and switches are enclosed to prevent any sparks from reacting to the environment), the use of non-sparking tools, and employing grounding/bonding to prevent static discharge when conducting transferring operations.

In addition to the above precautions, engineering precautions and controls have been established within the physical structure of the facility. The RM 125 and RM 126 areas are designed to store ignitable wastes. The areas have an automatic foam sprinkler system, gas detection system, intrinsically safe electrical, ventilation with a minimum of six air exchanges per hour, and is separated from the other areas in the building by a 1-hour or 2-hour rated fire wall. In addition, RM 126 licensed storage and treatment room is designed with blowout panels. "No Smoking" signs are posted at all main entry points and at the outside above ground storage tank farm. Smoking is strictly prohibited on the premise.

2C.9 Documentation of Compliance with NR 664.0017(2) [NR 664.0017(3)]

The documentation to demonstrate efforts to prevent incompatibilities problems are addressed within the Waste Analysis Plan [Appendix H] as part of the profiling, screening and compatibility testing. In addition, physical segregation and precautions employed are verified and documented as part of the Facility Daily Inspections which includes container storage area inspections as part of the Total Preventative Maintenance and Inspection Plan [Appendix I].

2C.10 Placing Incompatible Waste in an Unwashed Container [NR 664.0177(2)]

The empty containers generated as the result of license exempt processing (bulking, consolidation, elementary neutralization, lab pack repackaging, and aerosol puncturing) and treatment (fuel blending), will be emptied to RCRA empty standards and receiving facility standards and closed. The label which indicates the last contained material will be left on the container. The container will either be sent off-site for recycling or reused on-site. Any empty unwashed container to be reused on-site and its previously held materials will be screened for compatibility with the material to be stored in the container in accordance with the Waste Analysis Plan - Containers [Appendix H - Section 6.3] prior to its reuse. If the evaluation determines that the material is incompatible with the container and any remaining residues, the container shall not be used.

PART 3: SECTION M. SUBCH CC - AIR EMISSION CONTROL STANDARDS - CONTAINERS AND TANKS

3M.1 Documentation of Floating Roof Cover Installed on Tanks [NR 664.1084(4)(a) or (b) and NR 670.027(1)(a)]

The facility does not store hazardous waste in storage tanks and therefore, this section is not applicable to the facility.

3M.2 Identification of Each Container Area Subject to Subpart CC [NR 670.027(1)(b)]

The facility manages hazardous waste in various container types and sizes that require either Level 1 or Level 2 emission controls. See specific container details under Subpart CC Container Emission Control (Part 2: Section 2A.4). All containers used for the storage of hazardous waste meet DOT requirements for shipping hazardous materials. None of the containers managed at the facility require Level 3 controls that vent to a control device or a container enclosure venting to a control device.

3M.3 Owner/Operator Certification to Subch. CC Requirements for Container Storage Areas [NR 670.027(1)(b)]

The facility has included the certification statement that containers subject to requirements of CC of Chapter NR 664 are met as part of the Owner's and Operator's Certification [Appendix B].

3M.4 Documentation of Enclosures Used to Control Air Emissions from Containers [NR 664.1086(5)(a)(2), NR 664.1084(4)(e) and NR 670.027(1)(c)]

The facility does not store any containers of hazardous waste subject to Container Level 3 standards nor does it store hazardous waste in storage tanks and therefore, this section is not applicable to the facility.

3M.5 Permanent Total Enclosures Used to Control Air Emissions from Containers [NR 670.027(1)(c)]

The facility does not have any permanent total enclosures and therefore, this section is not applicable to the facility.

3M.6 Closed-Vent System and Control Devices Used to Control Air Emissions from Containers [NR 670.027(1)(e)]

The facility does not have any closed-vent systems therefore, this section is not applicable to the facility.

3M.7 Control Devices Used to Control Air Emissions from Containers [NR 670.027(1)(f)]

The facility does not have any control devices therefore, this section is not applicable to the facility.

APPENDIX A: TSD LICENSE COMPLETENESS CHECKLIST

**WISCONSIN DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE LICENSE APPLICATION (FPOR)
COMPLETENESS AND TECHNICAL EVALUATION CHECKLIST
GENERAL AND SPECIFIC REQUIREMENTS FOR
CONTAINERS, TANKS AND MISCELLANEOUS UNITS**

Facility Name :	Enviro-Safe Resource Recovery
FID # :	267193300
US EPA ID #:	WIR000142877
Date Application Received :	
DNR Reviewer :	
Review Dates :	

Use this checklist as a guide to determine if the Feasibility and Plan of Operation Report (FPOR) is complete and technically adequate for the storage or treatment of hazardous waste in containers, tanks, or miscellaneous units. The license applicant should indicate the location of the required information in the FPOR. The DNR license reviewer will review the information provided and determine if it is complete and technically adequate.

Note: More detailed information is given in the Wisconsin Administrative Code citation listed for each item. The inspection forms at <http://www.dnr.state.wi.us/org/aw/wm/publications/index.html> may also be used as a guide for AA/BB/CC requirements.

PART I - GENERAL REQUIREMENTS

Licensing Standard and Code Citation	Location In Report (Page/Section/ NA)	Complete? (Y/N/NA)	Technically Adequate? (Y/N/NA)	Comments
Section A. General Requirements NR 670.010 to NR 670.014				
A.1. Two copies of license application submitted. NR 670.010(1)	FPOR Part 1: Section A (1A.1)			Two hard copies will be submitted along with electronic files
A.2. Appropriate plan review and license fees submitted. NR 670.010(12)	FPOR Part 1: Section A (1A.2)			Fees will be submitted
A.3. Report signed by a president, secretary, treasurer or vice president of a corporation or other approved signatory. NR 670.011(1)	FPOR Part 1: Section A (1A.3)			
A.4. Signature includes certification statement. NR 670.011(4)	FPOR Part 1: Section A (1A.4)			
A.5. Claims of confidentiality are met. NR 670.012	FPOR Part 1: Section A (1A.5)			
A.6. Summary of pre-application meeting, list of attendees/addresses and copies of written comments or materials submitted during meeting. NR 670.014(2)(v)	FPOR Part 1: Section A (1A.6)			
A.7. Documentation showing compliance with local approval requirements. NR 670.014(2)(w)	FPOR Part 1: Section A (1A.7)			
A.8. Complete Part A application. NR 670.013	FPOR Part 1: Section A (1A.8)			
A.9. Technical data, such as design drawings and specifications and engineering studies are certified by WI registered PE. NR 670.014(1)	FPOR Part 1: Section A (1A.9)			

A.10. General description of facility. NR 670.014(2)(a)	FPOR Part 1: Section A (1A.10)			
A.11. Description of procedures, structures or equipment used to prevent hazards in unloading operations. NR 670.014(2)(h)1.	FPOR Part 1: Section A (1A.11)			
A.12. Description of procedures, structures or equipment used to prevent runoff from hazardous waste handling areas or to prevent flooding. NR 670.014(2)(h)2.	FPOR Part 1: Section A (1A.12)			
A.13. Description of procedures, structures or equipment used to prevent contamination of water supplies. NR 670.014(2)(h)3.	FPOR Part 1: Section A (1A.13)			
A.14. Description of procedures, structures or equipment used to mitigate effects of equipment failure or power outages. NR 670.014(2)(h)4.	FPOR Part 1: Section A (1A.14)			
A.15. Description of procedures, structures or equipment used to prevent exposure of personnel. NR 670.014(2)(h)5.	FPOR Part 1: Section A (1A.15)			
A.16. Description of procedures, structures or equipment used to the atmosphere. NR 670.014(2)(h)6.	FPOR Part 1: Section A (1A.16)			
A.17. Traffic patterns, estimated traffic volume, traffic control, access road surfacing and load bearing capacity. NR 670.014(2)(j)	FPOR Part 1: Section A (1A.17)			
A.18. Chemical and physical analyses of the hazardous waste and debris to be handled at the facility. NR 670.014(2)(b)	FPOR Part 1: Section A (1A.18)			
A.19. Chemical and physical analyses contains all information that must be known to treat, store or dispose of the waste according to NR 664 requirements. NR 670.014(2)(b)	FPOR Part 1: Section A (1A.19)			
A.20. Justification of any request for a waiver of the preparedness and prevention requirements of NR 664 subch. C. NR 670.014(2)(f)	FPOR Part 1: Section A (1A.20)			
A.21. Description of precautions taken to prevent accidental ignition or reaction of ignitable, reactive or incompatible wastes, including A.22 to A.24. NR 670.014(2)(i)	FPOR Part 1: Section A (1A.21)			
A.22. Ignitable and reactive waste is separated and protected from sources of ignition or reaction. NR 664.0017(1)	FPOR Part 1: Section A (1A.22)			
A.23. Smoking and open flame are confined to specially designated locations when handling ignitable or reactive waste. NR 664.0017(1)	FPOR Part 1: Section A (1A.23)			
A.24. "No Smoking" signs are conspicuously placed where there is a hazard from ignitable or reactive waste. NR 664.0017(1)	FPOR Part 1: Section A (1A.24)			

A.25. Documentation demonstrating compliance with A.22. to A.24., including references to published scientific or engineering literature, data from trial tests, waste analysis or the results of treatment of similar waste by similar treatment under similar operating conditions. NR 664.0017(3)	FPOR Part 1: Section A (1A.25)			
Section B. Noncompliance with Plans or Orders NR 670.014(2)(x)1.				
B.1. Identification of all persons owning ≥10% legal or equitable interest in the applicant or their assets. NR 670.014(2)(x)1.a	FPOR Part 1: Section B (1B.1)			
B.2. Identification of all WI solid or hazardous waste facilities for which applicant or other identified person is named in or subject to a department order or plan approval. NR 670.014(2)(x)1.b.	FPOR Part 1: Section B (1B.2)			
B.3. Identification of all WI solid or hazardous waste facilities owned by the applicant or other identified person who owns or previously owned ≥10% interest in the assets. NR670.014(2)(x)1.c.	FPOR Part 1: Section B (1B.3)			
B.4. Statement regarding whether or not all plan approvals and orders relating to all identified facilities are being complied with. NR 670.014(2)(x)1.d.	FPOR Part 1: Section B (1B.4)			
Section C. Environmental Impact Review NR 670.014(2)(x)2.				
C.1. Purpose, history, background, relevant local, state and federal permits or approvals and zoning changes for the project. NR 670.014(2)(x)2.a.	FPOR Part 1: Section C (1C.1)			
C.2. Description of proposed physical changes related to terrestrial resources, such as soil placement, construction of roads, surface water drainage and sedimentation controls. NR 670.014(2)(x)2.b.1)	FPOR Part 1: Section C (1C.2)			
C.3. Description of proposed physical changes related to aquatic resources, such as impacts to streams, wetlands or other water bodies. NR 670.014(2)(x)2.b.2)	FPOR Part 1: Section C (1C.3)			
C.4. Description of proposed physical changes related to the construction of buildings and other structures. NR 670.014(2)(x)2.b.3)	FPOR Part 1: Section C (1C.4)			
C.5. Description of proposed physical changes related to air emissions and water discharges during facility construction, operation and closure. NR 670.014(2)(x)2.b.4)	FPOR Part 1: Section C (1C.5)			
C.6. Description of proposed physical changes related to any other changes anticipated with facility development. NR 670.014(2)(x)2.b.5)	FPOR Part 1: Section C (1C.6)			
C.7. Maps, plans or other materials needed to clarify the information provided for C.2. to C.6. NR 670.014(2)(x)2.b.6)	FPOR Part 1: Section C (1C.7)			

C.8. Description of the affects on the existing physical environment, such as topography, surface water drainage, hydrogeologic conditions, geology. NR 670.014(2)(x)2.c.1)	FPOR Part 1: Section C (1C.8)			
C.9. Description of the affects on existing dominant aquatic and terrestrial plant and animal species and habitats. NR 670.014(2)(x)2.c.2)	FPOR Part 1: Section C (1C.9)			
C.10. Description of the affects on existing land use, dominant features, and zoning in the area. NR 670.014(2)(x)2.c.3)	FPOR Part 1: Section C (1C.10)			
C.11. Description of the affects on existing social and economic conditions, such as ethnic or cultural groups. NR 670.014(2)(x)2.c.4)	FPOR Part 1: Section C (1C.11)			
C.12. Description of the affects on other existing special resources, such as archaeological, historical, state natural areas, or prime agricultural lands. NR 670.014(2)(x)2.c.5)	FPOR Part 1: Section C (1C.12)			
C.13. Discussion of the probable adverse and beneficial physical impacts associated with facility design, construction and operation. NR 670.014(2)(x)2.d.1)	FPOR Part 1: Section C (1C.13)			
C.14. Discussion of the probable adverse and beneficial biological impacts such as destruction and creation of habitat, alteration of physical environment and impacts to endangered or threatened species. NR 670.014(2)(x)2.d.2)	FPOR Part 1: Section C (1C.14)			
C.15. Discussion of the probable adverse and beneficial impacts on land use. NR 670.014(2)(x)2.d.3)	FPOR Part 1: Section C (1C.15)			
C.16. Discussion of the probable adverse and beneficial social and economic impacts to local residents, cultural groups and communities and industries served by the facility. NR 670.014(2)(x)2.d.4)	FPOR Part 1: Section C (1C.16)			
C.17. Discussion of probable adverse and beneficial impacts on other special resources, such as archaeological, historical, state natural areas and prime agricultural lands. NR 670.014(2)(x)2.d.5)	FPOR Part 1: Section C (1C.17)			
C.18. Discussion of probable adverse impacts that cannot be avoided, such as groundwater and surface water impacts, modifications of topography, loss of agricultural or forest land, displacement of wildlife and adverse aesthetic impacts for people in and around the facility. NR 670.014(2)(x)2.d.6)	FPOR Part 1: Section C (1C.18)			
C.19. Identify, describe and discuss feasible alternatives such as taking no action, enlargement, reduction or modification of the project. NR 670.014(2)(x)2.e.	FPOR Part 1: Section C (1C.19)			
C.20. Needs determination, per s. 289.28, Wis. Stat. NR 670.014(2)(x)3.	FPOR Part 1: Section C (1C.20)			

Section D. Groundwater Protection NR 670.014(3)				
D.1. If all regulated units meet NR 664.0090(2), this Section is not applicable.	N/A	N/A	N/A	The groundwater protection requirements do not apply because Enviro-Safe does not contain or propose any regulated units (land disposal units) as defined in NR 664.0090(1).
D.2. Summary of groundwater monitoring data from interim license period. NR 670.014(3)(a)	N/A	N/A	N/A	
D.3. Uppermost aquifer and aquifers hydraulically interconnected beneath the facility property, groundwater flow direction and rate, and basis of identification. NR 670.014(3)(b)	N/A	N/A	N/A	
D.4. Topographic map delineating waste management area, property boundary, point of compliance and proposed location of monitoring wells. NR 670.014(3)(c)	N/A	N/A	N/A	
D.5. Description of contamination plume that entered the groundwater from a regulated unit at the time of the application, delineation of the extent of the plume on the topographic map and identification of hazardous constituent concentrations in the plume. NR 670.014(3)(d)	N/A	N/A	N/A	
D.6. Detailed plans and engineering report describing the proposed groundwater monitoring program to be implemented per NR 664.0097. NR 670.014(3)(e)	N/A	N/A	N/A	
D.7. If hazardous constituents have not been detected in the groundwater at the time of the license application, sufficient information, supporting data and analyses to establish a detection monitoring program which meets NR 664.0098. NR 670.014(3)(f)	N/A	N/A	N/A	
D.8. If hazardous constituents have been detected in the groundwater at the point of compliance at the time of the license application, sufficient information, supporting data and analyses to establish a compliance monitoring program meeting NR 664.0099. NR 670.014(3)(g)	N/A	N/A	N/A	
D.9. If hazardous constituents have been measured in the groundwater exceeding concentration limits in NR 664.0094 Table 1 or if groundwater monitoring conducted at the time of the license application at the waste boundary indicates the presence of hazardous waste constituents from the facility, sufficient information, supporting data and analyses to establish a corrective action program meeting NR 664.0100. NR 670.014(3)(h)	N/A	N/A	N/A	
Section E. Corrective Action and Solid Waste Management Units NR 670.014(4)				

E.1. If applicable, information regarding groundwater protection if there is a release from a SWMU. NR 670.014(3)	FPOR Part 1: Section E (1E.1)			
E.2. Topographic map showing location of SWMU. NR 670.014(4)(a)1.	FPOR Part 1: Section E (1E.2)			
E.3. Designate type of SWMU. NR 670.014(4)(a)2.	FPOR Part 1: Section E (1E.3)			
E.4. General dimensions and structural description of SWMU. NR 670.014(4)(a)3.	FPOR Part 1: Section E (1E.4)			
E.5. When the SWMU was operated. NR 670.014(4)(a)4.	FPOR Part 1: Section E (1E.5)			
E.6. All wastes managed at the SWMU are specified. NR 670.014(4)(a)5.	FPOR Part 1: Section E (1E.6)			
E.7. All available information pertaining to releases of hazardous waste constituents from hazardous waste units. NR 670.014(4)(b)	FPOR Part 1: Section E (1E.7)			
E.8. Results of sampling and analysis of surface or groundwater, soil and air sampling if the department determines a RFA is necessary. NR 670.014(4)(c)	FPOR Part 1: Section E (1E.8)			
Section F. Location Standards NR 670.014(2)(k) and NR 670.014(2)(s)				
F.1. Identify if facility is in a 100-year floodplain and source of data. NR 670.014(2)(k)3.	FPOR Part 1: Section F (1F.1)			
F.2. Copy of federal insurance administration flood map, or calculations and maps if FIA map is not available. NR 670.014(2)(k)3.	FPOR Part 1: Section F (1F.2)			
F.3. Identify 100-year flood level and other flooding factors (wave action) considered in design, construction, operation or maintenance of facility to withstand washout from 100 year flood. NR 670.014(2)(k)3.	FPOR Part 1: Section F (1F.3)			
F.4. If facility is located in 100 year flood plain, engineering analysis of various hydrodynamic and hydrostatic forces. NR 670.014(2)(k)4.a. AND	FPOR Part 1: Section F (1F.4)			
F.5. Structural or other engineering studies showing design of operational units and flood protection devices and how they will prevent washout. NR 670.014(2)(k)4.b. OR	FPOR Part 1: Section F (1F.5)			
F.6. Description of procedures to move hazardous waste before flooding, including timing; new approved or licensed location; resources needed; and, potential of discharge during move. NR 670.014(2)(k)4.c.	FPOR Part 1: Section F (1F.6)			
F.7. If a facility located in a 100-year floodplain is not designed, constructed, operated and maintained to prevent washout, a demonstration that procedures in effect to move the waste safely to a location that is not vulnerable to flood waters before flood waters reach the facility. NR 664.0018(2)(a)	FPOR Part 1: Section F (1F.7)			

F.8. If an existing facility is not in compliance with F.7., a plan and schedule to bring the facility into compliance. NR 670.014(2)(k)5.	FPOR Part 1: Section F (1F.8)			
F.9. A dated topographic map showing a distance of 1,000 feet around the facility, with a scale of no more than 1 inch to 200 feet, and contour intervals that clearly shows pattern of surface water flow of waste management unit. NR 670.014(2)(s)	FPOR Part 1: Section F (1F.9)			
F.10. Map shows map scale and date. NR 670.014(2)(s)1.	FPOR Part 1: Section F (1F.10)			
F.11. Map shows 100 year flood plain area. NR 670.014(2)(s)2.	FPOR Part 1: Section F (1F.11)			
F.12. Map shows surface waters, including intermittent streams. NR 670.014(2)(s)3	FPOR Part 1: Section F (1F.12)			
F.13. Map shows surrounding land uses (residential, commercial, agricultural, recreational). NR 670.014(2)(s)4	FPOR Part 1: Section F (1F.13)			
F.14. Map shows wind rose (prevailing wind speed and direction). NR 670.014(2)(s)5	FPOR Part 1: Section F (1F.14)			
F.15. Map shows map orientation. NR 670.014(2)(s)6	FPOR Part 1: Section F (1F.15)			
F.16. Map shows legal boundaries of the hazardous waste facility. NR 670.014(2)(s)7	FPOR Part 1: Section F (1F.16)			
F.17. Map shows access control (fence, gates). NR 670.014(2)(s)8	FPOR Part 1: Section F (1F.17)			
F.18. Map shows location of injection or supply wells on-site and off-site. NR 670.014(2)(s)9	FPOR Part 1: Section F (1F.18)			
F.19. Map shows buildings and storage, treatment or disposal operations. NR 670.014(2)(s)10.	FPOR Part 1: Section F (1F.19)			
F.20. Map shows other structures such as recreation areas, runoff control systems, roads, sewers, loading, unloading areas, etc. NR 670.014(2)(s)10.	FPOR Part 1: Section F (1F.20)			
F.21. Map shows barriers for drainage or flood control. NR 670.014(2)(s)11.	FPOR Part 1: Section F (1F.21)			
F.22. Map shows location of operational units where hazardous waste will be treated, stored or disposed. NR 670.014(2)(s)12.	FPOR Part 1: Section F (1F.22)			
F.23. Facility is not located in a wetland. NR 670.014(2)(k)6.b.	FPOR Part 1: Section F (1F.23)			
F.24. Facility is not located in a critical habitat for threatened or endangered species. NR 670.014(2)(k)6.a.	FPOR Part 1: Section F (1F.24)			
Section G: Waste Analysis Plan Requirements NR 670.014(2)(c)				
G.1. Procedures for obtaining chemical and physical analyses of hazardous waste managed at facility. NR 664.0013(1)(a)	FPOR Part 1: Section G (1G.1)			
G.2. Analysis by WI certified labs. NR 664.0013(1)(a)1.	FPOR Part 1: Section G (1G.2)			

G.3. Description of other data to be used rather than lab analysis. NR 664.0013(1)(b)	FPOR Part 1: Section G (1G.3)			
G.4. For off-site waste, analysis upon receipt to verify waste matches description on manifest. NR 670.0013(1)(d)	FPOR Part 1: Section G (1G.4)			
G.5. Parameters for which waste will be analyzed and rationale. NR 664.0013(2)(a)	FPOR Part 1: Section G (1G.5)			
G.6. Test methods that will be used. NR 664.0013(2)(b)	FPOR Part 1: Section G (1G.6)			
G.7. Sampling methods to obtain representative sample. NR 664.0013(2)(c)	FPOR Part 1: Section G (1G.7)			
G.8. Frequency of repeating initial analysis to ensure it is accurate and up to date. NR 664.0013(2)(d)	FPOR Part 1: Section G (1G.8)			
G.9. At a minimum, analysis is repeated if the process generating the waste has changed or when the inspection upon receiving the waste does not match the description on the manifest. NR 664.0013(1)(c).	FPOR Part 1: Section G (1G.9)			
G.10. For off-site waste, the waste analysis generators agree to supply. NR 664.0013(2)(e)	FPOR Part 1: Section G (1G.10)			
G.11. If ignitable, reactive or incompatible wastes are managed, the waste analysis methods used to comply with NR 664.0017(3). NR 664.0013(2)(f)	FPOR Part 1: Section G (1G.11)			
G.12. If the facility is subject to NR 664 subch. AA standards for process vents, the test methods and procedures used to comply with NR 664.1034(4). NR 664.0013(2)(f)	FPOR Part 1: Section G (1G.12)			
G.13. If the facility is subject to NR 664 subch. BB standards for equipment leaks, the test methods and procedures used to comply with NR 664.1063(4). NR 664.0013(2)(f)	FPOR Part 1: Section G (1G.13)			
G.14. If the facility is subject to NR 664 subch. CC standards for containers or tanks, the waste determination procedures in NR 664.1083. NR 664.0013(2)(f)	FPOR Part 1: Section G (1G.14)			
G.15. The testing performed to determine if the waste meets or exceeds LDR standards, as required by NR 668.07. NR 664.0013(2)(f)	FPOR Part 1: Section G (1G.15)			
G.16. Information if seeking exemption to subch. CC requirements. NR 664.0013(2)(h)	FPOR Part 1: Section G (1G.16)			
G.17. For off-site waste, procedures used to inspect, and if necessary, analyze each movement of waste to ensure it matches the identity of the waste designated on the manifest. NR 664.0013(3)	FPOR Part 1: Section G (1G.17)			
Section H: Security Requirements NR 670.014(2)(d)				
H.1. Security procedures to prevent unknowing entry by a 24 hour surveillance system which continuously monitors and controls entry. NR 664.0014(2)(a) OR,	FPOR Part 1: Section H (1H.1)			

H.2. The artificial or natural barrier surrounding active portions of facility and other means of controlled entry, such as gates or locked entrance AND NR 664.0014(2)(b)	FPOR Part 1: Section H (1H.2)			
H.3. The placement of "Danger – Unauthorized Persons Keep Out" signs at entrances and other locations. NR 664.0014(3)	FPOR Part 1: Section H (1H.3)			
H.4. Demonstration that the above security requirements are not necessary. NR 664.0014(1)	FPOR Part 1: Section H (1H.4)			
Section I. General Inspection Requirements NR 670.014(2)(e)				
I.1. Description of the equipment and devices inspected. NR 664.0015(2)(a)	FPOR Part 1: Section I (1H.1)			
I.2. Description of problems checked during the inspection. NR 664.0015(2)(c)	FPOR Part 1: Section I (1H.2)			
I.3. Inspection schedule for closed vent system and control device, required by NR 664.1033. NR 670.014(2)(d)	FPOR Part 1: Section I (1H.3)			
I.4. Inspection schedule for subch. BB pumps in light liquid service, required by NR 664.1052. NR 670.014(2)(d)	FPOR Part 1: Section I (1H.4)			
I.5. Inspection schedule for subch. BB compressors, required by NR 664.1053. NR 670.014(2)(d)	FPOR Part 1: Section I (1H.5)			
I.6. Inspection schedule for subch. BB pumps and valves in heavy liquid service, pressure relief devices and connectors, required by NR 664.1058. NR 670.014(2)(d)	FPOR Part 1: Section I (1H.6)			
I.7. The inspection frequency for pumps, valves, pressure relief devices or connectors subject to subch. BB is adequate to prevent environmental or human health incidents. NR 664.0015(2)(d)	FPOR Part 1: Section I (1H.7)			
I.8. Areas subject to spills inspected daily when in use. NR 664.0015(2)(d)	FPOR Part 1: Section I (1H.8)			
I.9. Inspection frequency for other areas based on deterioration of equipment and probability of environmental or human health incident if problem goes undetected between inspections. NR 664.0015(2)(d)	FPOR Part 1: Section I (1H.9)			
I.10. Schedule to remedy ensures problem does not lead to environmental or health hazard. NR 664.0015(3)	FPOR Part 1: Section I (1H.10)			
I.11. Inspection log will be kept for at least 3 years and includes date and time of inspection; inspector name; observations made; date and type of remedial actions. NR 664.0015(4)	FPOR Part 1: Section I (1H.11)			
Section J. Contingency Plan Requirements NR 670.014(2)(g)				
J.1. Copy of Contingency Plan. NR 670.014(2)(g)	FPOR Part 1: Section J (1J.1)			
J.2. Plan is designed to minimize hazards to human health or the environment in the event of a release. NR 664.0051(1)	FPOR Part 1: Section J (1J.2)			

J.3. Provisions in the plan will be carried out immediately if release threatens human health or the environment. NR 664.0051(2)	FPOR Part 1: Section J (1J.3)			
J.4. Describes actions facility personnel will take if a release. NR 664.0052(1)	FPOR Part 1: Section J (1J.4)			
J.5. If using SPCC, it has been amended to incorporate hazardous waste provisions. NR 664.0052(2)	N/A	N/A	N/A	Enviro-Safe maintains a SPCC Plan separate from the Contingency Plan.
J.6. Describes arrangements with local emergency agencies, hospitals and contractors. NR 664.0052(3)	FPOR Part 1: Section J (1J.6)			
J.7. Current list of emergency coordinator (primary and alternate) names, addresses and home/office phone numbers. NR 664.0052(4)	FPOR Part 1: Section J (1J.7)			
J.8. Current list of emergency equipment, describing location, physical description and capability of each item. NR 664.0052(5)	FPOR Part 1: Section J (1J.8)			
J.9. Evacuation plan, signals to begin evacuation and alternate routes. NR 664.0052(6)	FPOR Part 1: Section J (1J.9)			
J.10. Copy of plan kept at facility and copy sent to police and fire depts., hospital, and state and local response teams. NR 664.0053	FPOR Part 1: Section J (1J.10)			
J.11. Plan will be reviewed and amended, as necessary. NR 664.0054	FPOR Part 1: Section J (1J.11)			
J.12. Emergency coordinator always on premises or on call. NR 664.0055	FPOR Part 1: Section J (1J.12)			
J.13. Emergency coordinator is thoroughly familiar with plan, site operations, waste types handled, facility records and layout. NR 664.0055	FPOR Part 1: Section J (1J.13)			
J.14. Emergency coordinator has authority to commit resources to carry out contingency plan. NR 664.0055	FPOR Part 1: Section J (1J.14)			
J.15. Emergency coordinator activates alarms and notifies state or local agencies. NR 664.0056(1)	FPOR Part 1: Section J (1J.15)			
J.16. Emergency coordinator identifies the character, sources, amount and extent of release. NR 664.0056(2)	FPOR Part 1: Section J (1J.16)			
J.17. Emergency coordinator assesses possible hazards to human health and environment. NR 664.0056(3)	FPOR Part 1: Section J (1J.17)			
J.18. Emergency coordinator notifies local authorities if evacuation is necessary. NR 664.0056(4)(a)	FPOR Part 1: Section J (1J.18)			
J.19. Emergency coordinator notifies emergency response officials of release outside of facility. NR 664.0056(4)(b)	FPOR Part 1: Section J (1J.19)			
J.20. Emergency coordinator takes reasonable measures to ensure fire, explosion or release do not occur or spread to other hazardous waste. NR 664.0056(5)	FPOR Part 1: Section J (1J.20)			
J.21. Emergency coordinator monitors for leaks, pressure build-up, and gas generation if operations stop. NR 664.0056(6)	FPOR Part 1: Section J (1J.21)			

J.22. Emergency coordinator arranges for treatment, storage, or disposal of materials after emergency. NR 664.0056(7)	FPOR Part 1: Section J (1J.22)			
J.23. Emergency coordinator ensures no incompatible waste is treated, stored or disposed until cleanup is completed. NR 664.0056(8)(a)	FPOR Part 1: Section J (1J.23)			
J.24. Emergency coordinator ensures all emergency equipment is clean and fit for use before operations resume. NR 664.0056(8)(b)	FPOR Part 1: Section J (1J.24)			
J.25. Owner or operator notifies department and state and local authorities before resuming operations. NR 664.0056(9)	FPOR Part 1: Section J (1J.25)			
J.26. Implementation of plan will be noted in operating log and incident report sent to WDNR in 15 days. NR 664.0056(10)	FPOR Part 1: Section J (1J.26)			
Section K. Training Plan Requirements NR 670.014(2)(L)				
K.1. Outline of both introductory and continuing training programs to prepare persons to operate or maintain facility in a safe manner. NR 670.014(2)(L)	FPOR Part 1: Section K (1K.1)			
K.2. Training program teaches personnel hazardous waste management procedures relevant to the positions in which they are employed. NR 664.0016(1)(b)	FPOR Part 1: Section K (1K.2)			
K.3. Training program ensures facility personnel can respond effectively to emergencies by familiarizing them with emergency procedures, equipment and systems. NR 664.0016(1)(c)	FPOR Part 1: Section K (1K.3)			
K.4. Personnel complete training within 6 months of being in new position and before working in unsupervised positions. NR 664.0016(2)	FPOR Part 1: Section K (1K.4)			
K.5. Training documentation includes job title, job description, type and amount of training to be given and training that is completed. NR 664.0016(4)	FPOR Part 1: Section K (1K.5)			
K.6. Brief description of how training will be designed to meet actual job tasks. NR 670.014(2)(L)	FPOR Part 1: Section K (1K.6)			
Section L. Closure Plan Requirements NR 670.014(2)(m)				
L.1. Copy of Closure Plan. NR 670.014(2)(m)	FPOR Part 1: Section L (1L.1)			
L.2. Description of how each unit will close during partial or final closure to minimize the need for further maintenance. NR 664.0112(2)(a)	FPOR Part 1: Section L (1L.2)			
L.3. Description of how each unit will close during partial or final closure to control, minimize or eliminate post-closure escape of hazardous waste constituents. NR 664.0112(2)(a)	FPOR Part 1: Section L (1L.3)			
L.4. Description of the maximum extent of operations during the active life of the facility. NR 664.0112(2)(b)	FPOR Part 1: Section L (1L.4)			

L.5. Estimate of maximum inventory during active life of facility. NR 664.0112(2)(c)	FPOR Part 1: Section L (1L.5)			
L.6. Description of methods used to remove, transport, treat, store, and dispose of all hazardous waste during partial and final closure. NR 664.0112(2)(c)	FPOR Part 1: Section L (1L.6)			
L.7. Identification of the types of off-site hazardous waste management units to be used. NR 664.0112(2)(c)	FPOR Part 1: Section L (1L.7)			
L.8. Detailed description of steps needed to remove or decontaminate all hazardous waste residues and contaminated equipment, structures and soils during partial and final closure. NR 664.0112(2)(d)	FPOR Part 1: Section L (1L.8)			
L.9 Detailed description of other activities necessary to ensure all partial and final closures satisfy the closure performance standards. NR 664.0112(2)(e)	FPOR Part 1: Section L (1L.9)			
L.10. During closure of container areas, all hazardous waste and residues will be removed from the containment system; remaining contaminated structures and soil will be decontaminated or removed. NR 664.0178	FPOR Part 1: Section L (1L.10)			
L.11. During closure of tank systems, all waste residues, contaminated containment system components, soils, structures and equipment is decontaminated or removed. NR 664.0197(1)	FPOR Part 1: Section L (1L.11)			
L.12. Schedule for closure of each hazardous waste management unit and final closure of the facility. NR 664.0112(2)(f)	FPOR Part 1: Section L (1L.12)			
L.13. The estimated year of final closure if the financial mechanism is a trust fund and the facility expects to close before the operating license expires. NR 664.0112(2)(g)	FPOR Part 1: Section L (1L.13)			
L.14. Alternative requirements for closure established by the department. NR 664.0112(2)(h)	FPOR Part 1: Section L (1L.14)			
L.15. Department will be notified at least 180 days prior to partial or final closure. NR 664.0112(4)(a)	FPOR Part 1: Section L (1L.15)			
L.16. Within 90 days of receiving the final volume of hazardous waste, all hazardous waste is treated, or removed from the unit or facility. NR 664.0113(1)	FPOR Part 1: Section L (1L.16)			
L.17. Partial and final closure activities are completed within 180 days after receiving the final volume of hazardous waste. NR 664.0113(2)	FPOR Part 1: Section L (1L.17)			
L.18. All contaminated equipment, structures, and soils will be properly disposed of or decontaminated. NR 664.0114	FPOR Part 1: Section L (1L.18)			
L.19. Within 60 days of completing final closure, a certification of closure will be sent to the department. NR 664.0115	FPOR Part 1: Section L (1L.19)			

Section M: Closure Cost Estimate and Financial Responsibility NR 670.014(2)(o)

M.1. The most recent detailed written closure cost estimate in current dollars for closing the facility in accordance with the approved closure plan. NR 664.0142(1)	FPOR Part 1: Section M (1M.1)			
M.2. Cost estimate equals the cost of final closure when facility operations make closure the most expensive. NR 664.0142(1)(a)	FPOR Part 1: Section M (1M.2)			
M.3. Cost estimate is based on hiring a third party to close the facility. NR 664.0142(1)(b)	FPOR Part 1: Section M (1M.3)			
M.4. Cost estimate does not incorporate any salvage value of hazardous waste, structures, equipment, land or assets. NR 664.0142(1)(c)	FPOR Part 1: Section M (1M.4)			
M.5. Closure estimate does not include a zero cost for hazardous waste that might have economic value. NR 664.0142(1)(d)	FPOR Part 1: Section M (1M.5)			
M.6. Facility has established financial assurance that covers the closure cost estimate. NR 664.0143	FPOR Part 1: Section M (1M.6)			
M.7. The financial assurance mechanism meets all applicable requirements in NR 664.0143.	FPOR Part 1: Section M (1M.7)			
M.8. If a new facility, the financial assurance is submitted 60 days prior to initial receipt of waste. NR 670.014(2)(o)	FPOR Part 1: Section M (1M.8)			

Section N: Pollution Liability Insurance NR 670.014(2)(q)

N.1. Copy of the insurance policy or other documentation demonstrating liability coverage. NR 670.014(2)(q)	FPOR Part 1: Section N (1N.1)			
N.2. Financial responsibility covers bodily injury and property damage to third parties caused by sudden accidental occurrences arising from operations of the facility. NR 664.0147(1)	FPOR Part 1: Section N (1N.2)			
N.3. Coverage for sudden accidental occurrences of at least \$1 million per occurrence with annual aggregate of at least \$2 million. NR 664.0147(1)	FPOR Part 1: Section N (1N.3)			
N.4. If a new facility, documentation showing the amount of insurance to be in place before the initial receipt of waste. NR 670.014(2)(q).	FPOR Part 1: Section N (1N.4)			

PART II - UNIT REQUIREMENTS - CONTAINERS

Licensing Standard and Code Citation	Location In Report (Page, Section or N/A)	Complete? (Y/N/N/A)	Technically Adequate? (Y/N/N/A)	Comments
Section A: Container Standards – Inspections NR 670.014(2)(e)				
A.1. Container storage areas inspected at least weekly for leaking containers and the deterioration of containers and containment system. NR 664.0174	FPOR Part 2: Section A (2A.1)			

A.2. Inspection frequency of container storage areas is adequate to prevent environmental or human health incident. NR 664.0015(2)(d)	FPOR Part 2: Section A (2A.2)			
A.3. Inspection schedule for subch. CC containers, as required by 664.1086. NR 670.014(2)(e)	FPOR Part 2: Section A (2A.3)			
A.4. Inspection schedule includes inspection and monitoring requirements in NR 664.1088 for containers. NR 670.014(2)(e)	FPOR Part 2: Section A (2A.4)			
A.5. The inspection frequencies required by subch. CC for containers are adequate to prevent environmental or human health incidents. NR 664.0015(2)(d)	FPOR Part 2: Section A (2A.5)			
Section B. Container Standards – Containment NR 670.015(1)				
B.1. Base of containment system is designed and operated to be free of cracks or gaps and sufficiently impervious to leaks and precipitation until material is removed. NR 664.0175(2)(a)	FPOR Part 2: Section B (2B.1)			
B.2. Base is sloped or containment system is designed and operated to drain and remove liquids from leaks or precipitation OR containers are elevated or otherwise protected from contacting accumulated liquids. NR 664.0175(2)(b)	FPOR Part 2: Section B (2B.2)			
B.3. Capacity of containment system is 10% of the volume of containers or the volume of the largest container, which ever is greater. Containers without free liquids need not be considered. NR 664.0175(2)(c)	FPOR Part 2: Section B (2B.3)			
B.4. Run-on into the containment system is prevented unless the containment system has sufficient excess capacity to contain it. NR 664.0175(2)(d)	FPOR Part 2: Section B (2B.4)			
B.5. Spilled waste and precipitation are removed from sump or collection area in a timely manner to prevent overflow. NR 664.0175(2)(e)	FPOR Part 2: Section B (2B.5)			
B.6. The design and operation of the containment structure complies with B.1. to B.5. for containers of F020-F023 and F026- F027 wastes that do not contain free liquids. NR 664.0175(4)	FPOR Part 2: Section B (2B.6)			
B.7. Description of basic design parameters, dimensions and materials of construction of the containment system. NR 670.015(1)(a)	FPOR Part 2: Section B (2B.7)			
B.8. Description of how the design of the containment system promotes drainage or how containers are kept from contacting standing liquids. NR 670.015(1)(b)	FPOR Part 2: Section B (2B.8)			
B.9. Description of the capacity of the containment system relative to the number and volume of containers to be stored. NR 670.015(1)(c)	FPOR Part 2: Section B (2B.9)			
B.10. Provisions for preventing or managing run-on. NR 670.015(1)(d)	FPOR Part 2: Section B (2B.10)			
B.11. How accumulated liquids will be analyzed and removed to prevent overflow. NR 670.015(1)(e)	FPOR Part 2: Section B (2B.11)			

B.12. Other than B.6., if all containers do not contain free liquids, either the storage area is sloped or otherwise designed to drain and remove precipitation; or, the containers are elevated or otherwise protected from contact with accumulated liquid. NR 670.015(2)	FPOR Part 2: Section B (2B.12)			
B.13. Test procedures and results or other documentation or information showing waste in B.12. does not contain free liquids. NR 670.015(2)(a)	FPOR Part 2: Section B (2B.13)			
B.14. Description of how the storage area for waste in B.12. is designed or operated to drain and remove liquids, or how containers with no free liquids are kept from contacting standing liquids. NR 670.015(2)(b)	FPOR Part 2: Section B (2B.14)			
Section C: Container Standards – Incompatible, Reactive, Ignitable Waste NR 670.015(3) and NR 670.015(4)				
C.1. Sketches, drawings or data demonstrating containers of ignitable or reactive waste are located at least 50 feet from the facility property line. NR 664.0176	FPOR Part 2: Section C (2C.1)			
C.2. Sketches, drawings or data demonstrating storage containers of hazardous waste that are incompatible with other waste or materials stored nearby in other containers, piles or open tanks are separated or protected by a dike, berm, wall or other device. NR 664.0177(3)	FPOR Part 2: Section C (2C.2)			
C.3. Description of procedures to ensure incompatible wastes are not placed in the same container unless the requirements in C.4. to C.10. are met. NR 670.0015(4)	FPOR Part 2: Section C (2C.3)			
C.4. Precautions taken to prevent reactions generating extreme heat or pressure, fire or explosions or violent reactions. NR 664.0017(2)(a)	FPOR Part 2: Section C (2C.4)			
C.5. Precautions taken to prevent reactions producing uncontrolled toxic mists, fumes, dusts or gases in sufficient quantities to threaten human health or the environment. NR 664.0017(2)(b)	FPOR Part 2: Section C (2C.5)			
C.6. Precautions taken to prevent reactions producing uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosion. NR 664.0017(2)(c)	FPOR Part 2: Section C (2C.6)			
C.7. Precautions taken to prevent reactions damaging the structural integrity of the device or facility. NR 664.0017(2)(d)	FPOR Part 2: Section C (2C.7)			
C.8. Precautions taken to prevent reactions through other means to threaten human health or the environment. NR 664.0017(2)(e)	FPOR Part 2: Section C (2C.8)			

C.9. Documentation of compliance with C.4. to C.8., based on references to published scientific or engineering literature, data from trial tests, waste analyses or the results of treatment of similar wastes or similar treatment processes and under similar operating conditions. NR 664.0017(3)	FPOR Part 2: Section C (2C.9)			
C.10. Description of procedures to ensure hazardous waste is not placed in an unwashed container that previously held an incompatible waste or material. NR 664.0177(2)	FPOR Part 2: Section C (2C.10)			

PART II - UNIT REQUIREMENTS - TANKS

Licensing Standard and Code Citation	Location In Report (Page, Section or N/A)	Complete? (Y/N/N/A)	Technically Adequate? (Y/N/N/A)	Comments
Section D: Tank Standards – General NR 670.016				
D.1. Dimensions and capacity of each tank. NR 670.016(2)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
D.2. Description of feed systems, safety cutoff, bypass systems and pressure controls. NR 670.016(3)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
D.3. Diagram of piping, instrumentation and process flow for each tank system. NR 670.016(4)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
D.4. Description of spill prevention controls, such as check valves, dry disconnect couplings. NR 664.0194(2)(a)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
D.5. Description of overfill prevention controls, such as level sensing devices, high level alarms, automatic feed cutoff or bypass to a standby tank. NR 664.0194(2)(b)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
D.6. Description of how sufficient freeboard in uncovered tanks will be maintained to prevent overtopping by wave or wind action or precipitation. NR 664.0194(2)(c)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
Section E: Tank Standards – Inspections NR 670.014(2)(e)				
E.1. Inspection schedule for tank overfill controls. NR 664.0195(1).	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
E.2. Aboveground portions of tank systems inspected at least once each operating day to detect corrosion or releases of waste. NR 664.1095(2)(a)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
E.3. Construction materials and area immediately surrounding tank systems inspected at least once each operating day to detect erosion or signs of releases. NR 664.1095(2)(c)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.

E.4. Data gathered from monitoring and leak detection equipment inspected at least once each operating day to ensure the tank system is operated according to design. NR 664.1095(2)(b)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
E.5. Proper operation of the cathodic protection system is confirmed by inspection within 6 months of initial installation and annually thereafter. NR 664.1095(3)(a)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
E.6. All sources of impressed current inspected and/or tested, as appropriate, at least every other month. NR 664.1095(3)(b)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
E.7. Inspection schedule for subch. CC tank requirements, as stated in 664.1084 and 664.1088. NR 670.014(2)(e)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
E.8. Inspection frequencies required by subch. CC for tanks are adequate to prevent environmental or human health incidents. NR 664.0015(2)(d)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
Section F: Tank Standards – Existing Tanks NR 670.016(1)				
F.1. For each tank system installed before March 1, 1991, a written assessment reviewed and certified by an independent, qualified, registered PE as to the structural integrity and suitability for handling hazardous waste which includes the information in F.2. to F.8. NR 670.016(1)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
F.2. Design standards for construction of the tank and ancillary equipment. NR 664.0191(2)(a)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
F.3. Hazardous characteristics for the wastes handled. NR 664.0191(2)(b)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
F.4. Existing corrosion protection measures. NR 664.0191(2)(c)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
F.5. The age of the tank system, either documented or estimated. NR 664.0191(2)(d)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
F.6. Results of a leak test, internal inspection or other tank integrity examination. NR 664.0191(2)(e)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
F.7. If underground tanks cannot be entered, a leak test capable of taking into account the effects of temperature variations, tank end deflection, vapor pockets and high water table effects. NR 664.0191(2)(e)1.	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
F.8. If other tanks cannot be entered, a leak test or other integrity examination certified by a PE that addresses cracks, leaks, corrosion, and erosion. NR 664.0191(2)(e)2.	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.

F.9. If, as a result of the assessment, the tank was found to be leaking or unfit for use, steps were taken to comply with F.10. to F.22. NR 664.0191(4)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
F.10. Tank system or secondary containment system removed from service immediately. NR 664.0196	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
F.11. Flow of hazardous waste into the tank system or secondary containment system stopped immediately and the system inspected to determine the cause of the release. NR 664.0196(1)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
F.12. If the release was from the tank system, as much waste as necessary was removed to prevent further releases and to allow inspection and repair of the tank system within 24 hours after detection or at the earliest practicable time. NR 664.0196(2)(a)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
F.13. If the material was released to a secondary containment system, all released material was removed within 24 hours or in a timely manner to prevent harm to human health and the environment. NR 664.0196(2)(b)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
F.14. Visual inspection of the release conducted. NR 664.0196(3)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
F.15. Further migration of the spill to soils or surface water was prevented. NR 664.0196(3)(a)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
F.16. Visible contamination of the soil or surface water was removed and properly disposed. NR 664.0196(3)(b)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
F.17. Release reported to the Department within 24 hours of its detection, unless less than one pound was released and material was contained and cleaned up immediately. NR 664.0196(4)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
F.18. Written report submitted to the Department within 30 days of detecting the release. NR 664.0196(4)(c)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
F.19. System was returned to service after cleanup and repairs if the integrity of the tank system was not damaged. NR 664.0196(5)(b)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
F.20. If the leak was from the tank system into secondary containment, the system was repaired before the tank was returned to service. NR 664.0196(5)(c)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
F.21. If the leak was from a component that did not have secondary containment, either secondary containment will be provided or repairs are made if the component can be visually inspected. NR 664.0196(5)(d)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.

F.22. If major repairs were made, a PE certification was submitted to the Department within 7 days of returning the tank system to use. NR 664.0196(6)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
Section G: Tank Standards – New Tanks NR 670.016(1) and NR 670.016(6)				
G.1. For each new tank system, a written assessment reviewed and certified by an independent, qualified, registered PE as to the structural integrity and suitability for handling hazardous waste which includes the information in G.2. to G.19. NR 670.016(1)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.2. Design standards to which the tanks and ancillary equipment are constructed. NR 664.0192(1)(a)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.3. Hazardous characteristics of the wastes to be handled. NR 664.0192(1)(b)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.4. If the external shell of the metal tank or any external metal component of the tank system will be in contact with soil or water, a determination by a corrosion expert of factors affecting the potential for corrosion, including G.5. to G.9, at a minimum. NR 664.0192(1)(c)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.5. Soil moisture content, pH, sulfides level, and resistivity. NR 664.0192(1)(c)1	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.6. Structure to soil potential. NR 664.0192(1)(c)1	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.7. Influence of nearby underground metal structures, such as piping. NR 664.0192(1)(c)1	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.8. Existence of stray electric current. NR 664.0192(1)(c)1	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.9. Existing corrosion-protection measures. NR 664.0192(1)(c)1	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.10. A description of materials and equipment used to provide external corrosion protection to ensure the integrity of the tank system during its use, including one or more of those in G.11 to G.13. NR 664.0192(1)(c)2	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.11. Corrosion-resistant materials of construction such as special alloys, fiberglass, reinforced plastic, etc. NR 664.0192(1)(c)2.a.	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.12. Corrosion-resistant coating with cathodic protection. NR 664.0192(1)(c)2.b.	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.

G.13. Electrical isolation devices such as insulating joints, flanges, etc. NR 664.0192(1)(c)2.c.	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.14. For underground tank system components that are likely to be adversely affected by vehicular traffic, the design or operational measures that will protect the tank system against potential damage. NR 664.0192(1)(d)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.15. Design considerations to ensure tank foundations will maintain the load of a full tank. NR 664.0192(1)(e)1.	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.16. Design considerations to ensure tank systems will be anchored to prevent flotation or dislodgment when the tank system is placed in a saturated zone. NR 664.0192(1)(e)2.	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.17. Design considerations to ensure tank systems will withstand the effects of frost heave. NR 664.0192(1)(e)3.	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.18. Foundation, structural support, seams, connections and pressure controls, if needed, are adequately designed to ensure the tank system will not collapse, rupture or fail. NR 664.0192(1)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.19. The tank system has sufficient structural strength, compatibility with the wastes to be stored or treated and corrosion protection to ensure it will not collapse, rupture or fail. NR 664.0192(1)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.20. A detailed description of how the tank systems will be installed in compliance with G.21. to G.28. NR 670.016(6)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.21. Before covering, enclosing or placing a new tank system or component in use, an independent qualified installation inspector or registered PE who is trained and experienced in the proper installation of tank systems or components will inspect the system for the presence of weld breaks, punctures, scrapes of protective coatings, cracks, corrosion and other structural damage or inadequate construction or installation. NR 664.0192(2)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.22. All structural damage or inadequate construction or installation will be remedied before the tank system is covered, enclosed or placed in use. NR 664.0192(2)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.23. For tank systems or components placed underground, the backfill material is noncorrosive, porous and homogeneous, installed so the backfill is placed completely around the tank, and compacted to ensure the tank and piping are fully and uniformly supported. NR 664.0192(3)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.

G.24. All tanks and ancillary equipment will be tightness tested before being covered, enclosed or placed in use. NR 664.0192(4)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.25. If the tank system is found not to be tight, all repairs necessary to remedy the leaks in the system will be performed before the tank system is covered, enclosed or placed into use. NR 664.0192(4)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.26. Ancillary equipment is supported and protected against physical damage and excessive stress due to settlement, vibration, expansion or contraction. NR 664.0192(5)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.27. The type and degree of corrosion protection recommended by an independent corrosion expert is provided. NR 664.0192(6)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
G.28. If field fabricated, a corrosion expert will supervise the installation of the corrosion protection system to ensure proper installation. NR 664.0192(6)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
Section H: Tank Standards – Secondary Containment NR 670.016(7) and NR 670.016(8)				
H.1. Detailed plans and description of how the secondary containment system for each tank system meets the requirements stated in H.2. to H.9. NR 670.016(7)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.2. Designed, constructed and operated to prevent the migration of wastes or accumulated liquid out of the system to the soil, groundwater or surface water at any time during use of the tank system. NR 664.0193(2)(a)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.3. Designed, constructed and operated to detect and collect releases and accumulated liquid until the material is removed. NR 664.0193(2)(b)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.4. Constructed of or lined with materials that are compatible with the wastes to be placed in the tank system. NR 664.0193(3)(a)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.5. Has sufficient strength and thickness to prevent failure due to pressure gradients, physical contact with the waste, climatic conditions and stress of daily operation. NR 664.0193(3)(a)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.6. Placed on a foundation or base capable of providing support and resistance to pressure gradients above and below the system, and preventing failure due to settlement, compression or uplift. NR 664.0193(3)(b)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.

H.7. Provided with a leak detection system designed and operated to detect the failure of either the primary or secondary containment structure or the presence of any release of hazardous waste or accumulated liquid in the secondary containment system within 24 hours or at the earliest practicable time unless demonstrated that existing detection technologies or site conditions will not allow detection of a release within 24 hours. NR 664.0193(3)(c)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.8. Sloped or otherwise designed or operated to drain and remove liquids resulting from leaks, spills or precipitation. NR 664.0193(3)(d)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.9. Spilled or leaked waste and accumulated precipitation will be removed from the secondary containment system within 24 hours or in a timely manner that prevents harm to human health and the environment if demonstrated that the material cannot be removed in 24 hours. NR 664.0193(3)(d)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.10. Detailed plans and description of how an external liner system for each tank system meets the requirements stated in H.11. to H.14. NR 670.016(7)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.11. Designed or operated to contain 100% of the capacity of the largest tank within its boundary. NR 664.0193(5)(a)1.	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.12. Designed or operated to prevent run-on or infiltration of precipitation into the external liner system unless the collection system has sufficient excess capacity to contain run-on or infiltration from a 25 year, 24 hour rainfall event. NR 664.0193(5)(a)2.	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.13. Free of cracks and gaps. NR 664.0193(5)(a)3.	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.14. Designed and installed to surround the tank completely and cover all surrounding earth likely to come into contact with the waste if a release from the tank (capable of preventing lateral and vertical migration of waste). NR 664.0193(5)(a)4.	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.15. Detailed plans and description of how a vault system for each tank system meets the requirements stated in H.16. to H.21. NR 670.016(7)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.16. Designed or operated to contain 100% of the capacity of the largest tank within its boundary. NR 664.0193(5)(b)1.	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.17. Designed or operated to prevent run-on or infiltration of precipitation into the vault system unless the collection system has sufficient excess capacity to contain run-on or infiltration from a 25 year, 24 hour rainfall event. NR 664.0193(5)(b)2.	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.

H.18. Constructed with chemical-resistant water stops in place at all joints. NR 664.0193(5)(b)3.	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.19. Provided with an impermeable interior coating or lining compatible with the stored waste to prevent migration of waste into the concrete. NR 664.0193(5)(b)4.	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.20. Provided with a means to protect against the formation and ignition of vapors within the vault, if the waste stored or treated is ignitable waste or reactive waste capable of forming ignitable or explosive vapor. NR 664.0193(5)(b)5.	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.21. Provided with an exterior moisture barrier or otherwise designed or operated to prevent migration of moisture into the vault if it is subject to hydraulic pressure. NR 664.0193(5)(b)6.	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.22. Detailed plans and description of how a double-walled tank system for each tank system meets the requirements stated in H.23. to H.25. NR 670.016(7)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.23. Designed as an integral structure so that the outer shell contains any release from the inner tank. NR 664.0193(5)(c)1.	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.24. Protected, if constructed of metal, from both corrosion of the primary tank interior and of the external surface of the outer shell. NR 664.0193(5)(c)2.	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.25. Provided with a built-in continuous leak detection system capable of detecting a release within 24 hours or at the earliest practicable time if demonstrated that existing detection technology or site conditions would not allow detection of a release within 24 hours. NR 664.0193(5)(c)3.	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.26. Detailed plans and description of how ancillary equipment for each tank system will be provided with secondary containment except for aboveground piping; welded flanges, joints and connections; sealless or magnetic coupling pumps and sealless valves; and, pressurized aboveground piping systems with automatic shut-off devices that are visually inspected for leaks on a daily basis. NR 664.0193(6)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
H.27. If seeking an alternative to the requirements of this section, detailed plans and engineering and hydrogeologic reports describing alternate design and operating practices; and, an evaluation of location characteristics which demonstrate the migration of hazardous waste or constituents into groundwater or surface water during the life of the facility is prevented. NR 670.016(8)(a)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.

H.28. If seeking an alternative to the requirements of this section, a detailed assessment of the substantial present or potential hazards posed to human health or the environment should a release enter the environment. NR 670.016(8)(b)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
Section I: Tank Standards – Ignitable, Reactive and Incompatible Wastes NR 670.016(10)				
I.1. If ignitable or reactive waste is treated, rendered or mixed before or immediately after placement in the tank system, a description of how operating procedures and tank system and facility design will ensure the resulting waste, mixture or dissolved material no longer meets the definition of ignitable or reactive waste. NR 664.0198(1)(a)1.	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
I.2. If ignitable or reactive waste is treated, rendered or mixed before or immediately after placement in the tank system, a description of how operating procedures and tank system and facility design will ensure I.3. to I.7. will be met. NR 664.0198(1)(a)2.	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
I.3. Precautions taken to prevent reactions generating extreme heat or pressure, fire or explosions or violent reactions. NR 664.0017(2)(a)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
I.4. Precautions taken to prevent reactions producing uncontrolled toxic mists, fumes, dusts or gases in sufficient quantities to threaten human health or the environment. NR 664.0017(2)(b)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
I.5. Precautions taken to prevent reactions producing uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosion. NR 664.0017(2)(c)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
I.6. Precautions taken to prevent reactions damaging the structural integrity of the device or facility. NR 664.0017(2)(d)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
I.7. Precautions taken to prevent reactions which, through other means, threaten human health or the environment. NR 664.0017(2)(e)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
I.8. Documentation demonstrating compliance with I.2.. to I.7., including references to published scientific or engineering literature, data from trial tests, waste analysis or the results of treatment of similar waste by similar treatment under similar operating conditions. NR 664.0017(3)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.

I.9. If ignitable or reactive waste is placed in the tank system, an alternative to I.2. to I.8. is to provide a description of how operating procedures and tank system and facility design will ensure the waste is stored or treated in such a way that it is protected from any material or conditions that may cause the waste to ignite or react. NR 664.0198(1)(b)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
I.10. If ignitable or reactive waste is placed in the tank system, an alternative to I.2 to I.8 or I.9. is to provide a description of how operating procedures, the tank system and facility design will ensure the tank system is used solely for emergencies. NR 664.0198(1)(c)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
I.11. If the facility stores or treats ignitable or reactive waste in a tank, demonstrate compliance with the requirements to maintain protective distances between the waste management area and any public ways, streets, alleys or an adjoining property line that can be built upon, as required by Tables 2-1 to 2-6 of NFPA's "Flammable and Combustible Liquids Code. NR 664.0198(2)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
I.12. Incompatible wastes are not placed in the same tank system unless the requirements in I.3. to I.8. are met. NR 664.0199(1)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.
I.13. Hazardous waste is not placed in a tank system that previously held an incompatible waste and has not been decontaminated unless the requirements of I.3. to I.8. are met. NR 664.0199(2)	N/A	N/A	N/A	The facility does not have any hazardous waste storage tanks on-site. The site only has DOT hazardous material storage tanks.

PART II - UNIT REQUIREMENTS - MISCELLANEOUS UNITS				
Licensing Standard and Code Citation	Location In Report (Page, Section or N/A)	Complete? (Y/N/N/A)	Technically Adequate? (Y/N/N/A)	Comments
Section J: Standards for Miscellaneous Units – Storage and Treatment NR 670.023				
J.1. Detailed description of the unit being used or proposed for use. NR 670.023(1)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.2. Detailed description of the physical characteristics, materials of construction and dimensions of the unit. NR 670.023(1)(a)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.3. Detailed plans and engineering reports describing how the unit will be located, designed, constructed, operated, maintained, monitored, inspected and closed to comply with J.4. to J.34. NR 670.023(1)(b)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.4. Prevention of releases that may have adverse effects on human health or the environment due to migration of waste constituents in the groundwater or subsurface environment, considering items J.5. to J.13. NR 664.0601(1)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.

J.5. The volume and physical and chemical characteristics of the waste in the unit, including potential for migration through soil, liners or other containing structures. NR 664.0601(1)(a)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.6. The hydrologic and geologic characteristics of the unit and surrounding area. NR 664.0601(1)(b)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.7. The existing quality of groundwater, including other sources of contamination and their cumulative impact on groundwater. NR 664.0601(1)(c)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.8. Quantity and direction of groundwater flow. NR 664.0601(1)(d)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.9. Proximity to and withdrawal rates of current and potential groundwater users. NR 664.0601(1)(e)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.10. Patterns of land use in the region. NR 664.0601(1)(f)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.11. Potential of migration or deposition of waste constituents into subsurface physical structures and into the root zone of food-chain crops and other vegetation. NR 664.0601(1)(g)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.12. Potential for health risks caused by human exposure to waste constituents. NR 664.0601(1)(h)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.13. Potential for damage to domestic animals, wildlife, crops, vegetation and physical structures caused by exposure to waste constituents. NR 664.0601(1)(i)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.14. Prevention of any releases that may have adverse effects on human health or the environment due to migration of waste constituents in surface water, wetlands, or on soil surface, considering J.15.- J.25. NR 664.0601(2)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.15. Volume and physical and chemical characteristics of the waste in the unit. NR 664.0601(2)a.	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.16. Effectiveness and reliability of containing, confining and collecting systems and structures in preventing migration. NR 664.0601(2)b.	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.17. Hydrologic characteristics of the unit and the surrounding area, including the topography of the land around the unit. NR 664.0601(2)c.	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.18. Precipitation patterns in the region. NR 664.0601(2)d.	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.19. Quantity, quality and direction of groundwater flow. NR 664.0601(2)e.	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.20. Proximity of the unit to surface waters. NR 664.0601(2)f.	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.21. Current and potential uses of nearby surface waters and any water quality standards established for those surface waters. NR 664.0601(2)g.	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.

J.22. Existing quality of surface waters and surface soils, including other sources of contamination and their cumulative impact on surface waters and surface soils. NR 664.0601(2)(h)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.23. Land use patterns in the region. NR 664.0601(2)(i)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.24. Potential for health risks caused by human exposure to waste constituents. NR 664.0601(2)(j)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.25. Potential for damage to domestic animals, wildlife, crops, vegetation and physical structures caused by exposure to waste constituents. NR 664.0601(2)(k)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.26. Prevention of releases that may have adverse effects on human health or the environment due to migration of waste constituents in the air, considering J.27. to J.33. NR 664.0601(3)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.27. Volume, physical and chemical characteristics of the waste in the unit, including its potential for the emission and dispersal of gases, aerosols and particulates. NR 664.0601(3)a.	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.28. Effectiveness and reliability of systems and structures to reduce or prevent emissions of hazardous constituents to the air. NR 664.0601(3)b.	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.29. Operating characteristics of the unit. NR 664.0601(3)c.	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.30. Atmospheric, meteorologic and topographic characteristics of the unit and the surrounding area. NR 664.0601(3)d.	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.31. Existing quality of the air, including other sources of contamination and their cumulative impact on the air. NR 664.0601(3)e.	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.32. Potential for health risks caused by human exposure to waste constituents. NR 664.0601(3)f.	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.33. Potential for damage to domestic animals, wildlife, crops, vegetation and physical structures caused by exposure to waste constituents. NR 664.0601(3)g.	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.34. Inspection procedures and frequencies minimize or prevent releases that may have adverse effects on human health or the environment. NR 664.0602	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.35. Detailed hydrologic, geologic and meteorologic assessments and land-use maps for the region surrounding the site that address and ensure compliance of the unit with each factor in J.4. to J.33. NR 670.023(2)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.

J.36. Only preliminary hydrologic, geologic and meteorologic assessments are submitted if the applicant demonstrates they do not violate the environmental performance standards in J.4. to J.33. NR 670.023(2)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.37. Information on the potential pathways of exposure of humans or environmental receptors to hazardous waste constituents and the potential magnitude and nature of exposures. NR 670.023(3)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.38. For treatment units, a report on a demonstration of the effectiveness of the treatment based on laboratory or field data. NR 670.023(4)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.39. Additional information necessary to evaluate if the unit complies with the environmental performance standards in J.4 to J.33., as determined by the department. NR 670.023(5)	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.40. If an existing miscellaneous unit located in a 100-year floodplain is not designed, constructed, operated and maintained to prevent washout, a demonstration that no adverse effects on human health or the environment will result if washout occurs, considering the volume and physical and chemical characteristics of the waste, and the concentrations and potential impacts of hazardous constituents on surface waters, sediments or soils. NR 664.0018(2)(a)2	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.
J.41. If an existing miscellaneous unit is not in compliance with J.40. and there are no procedures to move the waste to a location that is not vulnerable to flood waters, a plan and schedule to bring the facility into compliance. NR 670.014(2)(k)5.	N/A	N/A	N/A	The facility does not treat, store or dispose of hazardous waste in miscellaneous units.

PART III - AA

Licensing Standard and Code Citation	Location In Report (Page, Section or N/A)	Complete? (Y/N/N/A)	Technically Adequate? (Y/N/N/A)	Comments
Section K: Subch. AA – Air Emission Control Standards for Process Vents NR 670.024				
K.1. Documentation of compliance with the process vent standards in NR 664.1032, including K.2. to K.6. NR 670.024(2)	N/A	N/A	N/A	The facility does not have process vents subject to NR 664 subch. AA.
K.2. A facility plot plan and information identifying the hazardous waste management units in the facility, the approximate location of each affected hazardous waste management unit in the facility and all affected process vents. NR 670.024(2)(a)	N/A	N/A	N/A	The facility does not have process vents subject to NR 664 subch. AA.

K.3. Information on annual throughput and operating hours of each affected unit, estimated emission rates for each affected vent and the overall facility. NR 670.024(2)(a)	N/A	N/A	N/A	The facility does not have process vents subject to NR 664 subch. AA.
K.4. Information and data supporting estimates of vent emissions and emission reduction achieved by add-on control devices based on engineering calculations or source tests. NR 670.024(2)(b)	N/A	N/A	N/A	The facility does not have process vents subject to NR 664 subch. AA.
K.5. Estimates of vent emissions and emission reductions are made using operating parameter values that represent the conditions that exist when the waste management unit is operating at the highest load or capacity level reasonably expected to occur. NR 670.024(2)(b)	N/A	N/A	N/A	The facility does not have process vents subject to NR 664 subch. AA.
K.6. Information and data used to determine whether or not a process vent is subject to NR 664.1032. NR 670.024(2)(c)	N/A	N/A	N/A	The facility does not have process vents subject to NR 664 subch. AA.
K.7. Documentation of compliance with NR 664.1033, including information in K.8 to K.13. NR 670.024(4)	N/A	N/A	N/A	The facility does not have process vents subject to NR 664 subch. AA.
K.8. List of all information references and sources used in preparing the documentation. NR 670.024(4)(a)	N/A	N/A	N/A	The facility does not have process vents subject to NR 664 subch. AA.
K.9. Records, including the dates of each compliance test required by NR 664.1033(11). NR 670.024(4)(b)	N/A	N/A	N/A	The facility does not have process vents subject to NR 664 subch. AA.
K.10. Design analysis, specifications, drawings, schematics, and piping and instrumentation diagrams based on APTI Course 41.5 or other acceptable references. NR 670.024(4)(c)	N/A	N/A	N/A	The facility does not have process vents subject to NR 664 subch. AA.
K.11. Design analysis addresses the vent stream characteristic and control device operation parameters specified in NR 664.1035(2)(d). NR 670.024(4)(c)	N/A	N/A	N/A	The facility does not have process vents subject to NR 664 subch. AA.
K.12. Statement signed and dated by the owner/operator certifying the operating parameters used in the design analysis reasonably represent conditions that exist when the unit operates at the highest capacity reasonably expected to occur. NR 670.024(4)(d)	N/A	N/A	N/A	The facility does not have process vents subject to NR 664 subch. AA.
K.13. Statement signed and dated by the owner/operator certifying the control device for the affected process vents is designed to operate at the required efficiency levels. NR 670.024(4)(e)	N/A	N/A	N/A	The facility does not have process vents subject to NR 664 subch. AA.
K.14. If applying to use an alternate control device, a performance test plan if using test data. NR 670.024(3)	N/A	N/A	N/A	The facility does not have process vents subject to NR 664 subch. AA.

PART III - BB				
Licensing Standard and Code Citation	Location In Report (Page, Section or N/A)	Complete? (Y/N/N/A)	Technically Adequate? (Y/N/N/A)	Comments

Section L: Subch. BB – Air Emission Control Standards for Equipment NR 670.025				
L.1. For each piece of equipment subject to subch. BB, the information in L.2. to L.7. NR 670.025(1)	N/A	N/A	N/A	The facility does not have equipment subject to NR 664 subch. BB.
L.2. Equipment identification number and hazardous waste management unit identification. NR 670.025(1)(a)	N/A	N/A	N/A	The facility does not have equipment subject to NR 664 subch. BB.
L.3. Approximate location within the facility, as identified on a facility plot plan. NR 670.025(1)(b)	N/A	N/A	N/A	The facility does not have equipment subject to NR 664 subch. BB.
L.4. Type of equipment. NR 670.025(1)(c)	N/A	N/A	N/A	The facility does not have equipment subject to NR 664 subch. BB.
L.5. Percent by weight total organics in the hazardous waste stream at each piece of equipment. NR 670.025(1)(d)	N/A	N/A	N/A	The facility does not have equipment subject to NR 664 subch. BB.
L.6. Hazardous waste state (gas, vapor, etc.) at each piece of equipment. NR 670.025(1)(e)	N/A	N/A	N/A	The facility does not have equipment subject to NR 664 subch. BB.
L.7. Method of compliance with the applicable subch. BB standard. NR 670.025(1)(f)	N/A	N/A	N/A	The facility does not have equipment subject to NR 664 subch. BB.
L.8. Documentation demonstrating compliance with the equipment standards in NR 664.1052 to 664.1059, including records required by NR 664.1064. NR 670.025(4)	N/A	N/A	N/A	The facility does not have equipment subject to NR 664 subch. BB.
L.9. Additional documentation necessary to determine compliance with the subch. BB standards. NR 670.025(4)	N/A	N/A	N/A	The facility does not have equipment subject to NR 664 subch. BB.
L.10. Documentation demonstrating compliance with NR 664.1060 includes the information in L.11 to L.17. NR 670.025(5)	N/A	N/A	N/A	The facility does not have equipment subject to NR 664 subch. BB.
L.11. List of all information references and sources used to prepare the documentation. NR 670.025(5)(a)	N/A	N/A	N/A	The facility does not have equipment subject to NR 664 subch. BB.
L.12. Records, including the dates, of each compliance test required by NR 664.1033(10). NR 670.025(5)(b)	N/A	N/A	N/A	The facility does not have equipment subject to NR 664 subch. BB.
L.13. Design analysis, specifications, drawings, schematics and piping and instrumentation diagrams based on the appropriate sections of ATPI Course 415 or other engineering text that present basic control device design information. NR 670.025(5)(c)	N/A	N/A	N/A	The facility does not have equipment subject to NR 664 subch. BB.
L.14. Design analysis addresses the vent stream characteristics and control device operation parameters in NR 664.1035(2)(d)3. NR 670.025(5)(c)	N/A	N/A	N/A	The facility does not have equipment subject to NR 664 subch. BB.
L.15. Statement signed and dated by the owner/operator certifying the operating parameters used in the design analysis reasonably represent the conditions when the unit is operating at the highest capacity level reasonably expected to occur. NR 670.025(5)(d)	N/A	N/A	N/A	The facility does not have equipment subject to NR 664 subch. BB.
L.16. Statement signed and dated by the owner/operator certifying the control device is designed to operate at an efficiency of ≥ 95 weight %. NR 670.025(5)(e)	N/A	N/A	N/A	The facility does not have equipment subject to NR 664 subch. BB.

L.17. If applying to use an alternate control device, a performance test plan if using test data. NR 670.025(3)	N/A	N/A	N/A	The facility does not have equipment subject to NR 664 subch. BB.
---	-----	-----	-----	---

PART III - CC				
Licensing Standard and Code Citation	Location In Report (Page, Section or N/A)	Complete? (Y/N/N/A)	Technically Adequate? (Y/N/N/A)	Comments
Section M: Subch. CC – Air Emission Control Standards for Containers and Tanks NR 670.027				
M.1. Documentation for each floating roof cover installed on a tank subject to NR 664.1084(4)(a) or (b). NR 670.027(1)(a)	FPOR Part 3: Section M (3M.1)			
M.2. Identification of each container area subject to subch. CC. NR 670.027(1)(b)	FPOR Part 3: Section M (3M.2)			
M.3. Owner/operator certification that the requirements of subch. CC are met for container storage areas. NR 670.027(1)(b)	FPOR Part 3: Section M (3M.3)			
M.4. Documentation for each enclosure used to control air emissions from containers per NR 664.1086(5)(a)2 and tanks per NR 664.1084(4)(e). NR 670.027(1)(c)	FPOR Part 3: Section M (3M.4)			
M.5. Records for the most recent set of calculations and measurements verifying the enclosure meets the criteria of a permanent total enclosure as specified by Procedure T in 40 CFR 52.741, appendix B. NR 670.027(1)(c)	FPOR Part 3: Section M (3M.5)			
M.6. Documentation for each closed-vent system and control device installed according to NR 664.1087, including design and performance information. NR 670.027(1)(e)	FPOR Part 3: Section M (3M.6)			
M.7. An emission monitoring plan for Method 21 in 40 CFR part 60 Appendix A and control device monitoring methods. NR 670.027(1)(f)	FPOR Part 3: Section M (3M.7)			

APPENDIX B: OWNER, OPERATOR, SUBPART CC AND PE CERTIFICATIONS

B-01 Owner's and Operator's Certification Statement

B-02 PE Certification

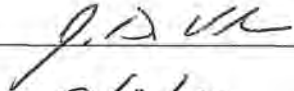
B-03 Subpart CC Certification

APPENDIX B-01

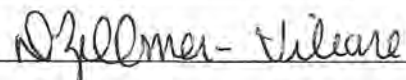
Owner's and Operator's Certification Statement

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner's Certification

NAME: Jeffrey D. Vilione
TITLE: Founder/President
COMPANY: JDV Real Estate Holding, LLC.
SIGNATURE: 
DATE: 9/2/22

Operator's Certification

NAME: Dawn Zellmer-Vilione
TITLE: CEO/Operations
COMPANY: Enviro-Safe Resource Recovery
SIGNATURE: 
DATE: 9/2/2022

APPENDIX B-02 Professional Engineer Certification

I, Gregg Prossen, hereby certify that I am a licensed professional engineer in the State of Wisconsin in accordance with the requirements of chapter A-E 4, Wisconsin Adm. Code, and that the below listed technical data, such as design drawings and specifications and engineering studies, to the best of my knowledge, is correct and the documents were prepared in compliance with all applicable requirements in chs. NR670, Wis. Adm. Code. In addition, I certify that the facility has been constructed in substantial compliance with the Feasibility and Plan of Operation Report per NR 664.0025.

- G-03 Topographical Map
- G-04 Facility Map
- G-05 Secondary Containment Map
- G-08 Container Storage Map

NAME: Gregg M. Prossen, P.E.

TITLE: Principle

COMPANY: The Consortium ae, LLC.

REGISTRATION NO: E-28075

STATE: Wisconsin



APPENDIX B-03 Subpart CC Certification Statement

In accordance with the specific feasibility and plan of operation report information requirements for air emission controls for tanks, surface impoundments, and containers [WDNR NR 670.027(1)(b)], Enviro-Safe Consulting, LLC. (dBA Enviro-Safe Resource Recovery) certifies that the following container storage area located at W130 N10500 Washington Driver, Germantown, Wisconsin are subject to Subpart CC Ch. NR 664 and the requirements of this subchapter are met.

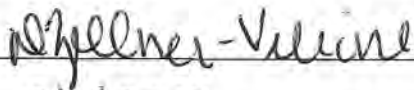
- Container Storage Area (RM 124)
- Container Storage Area (RM 125)
- Container Storage Area (RM 126)
- Container Storage Area (East Loading Docks #2, #3 and #4)
- Container Storage Area (Tanker Loading Pads #1 and #2)

CERTIFICATION

NAME: Dawn Zellmer-Vilione

TITLE: CEO/Operations

COMPANY: Enviro-Safe Resource Recovery

SIGNATURE: 

DATE: 9/2/2022

APPENDIX C: PART A APPLICATION

United States Environmental Protection Agency
RCRA SUBTITLE C SITE IDENTIFICATION FORM



1. Reason for Submittal (Select only one.)

<input type="checkbox"/>	Obtaining or updating an EPA ID number for an on-going regulated activity that will continue for a period of time. (Includes HSM activity)
<input type="checkbox"/>	Submitting as a component of the Hazardous Waste Report for _____ (Reporting Year)
<input type="checkbox"/>	Site was a TSD facility and/or generator of ≥ 1,000 kg of non-acute hazardous waste, > 1 kg of acute hazardous waste, or > 100 kg of acute hazardous waste spill cleanup in one or more months of the reporting year (or State equivalent LQG regulations)
<input type="checkbox"/>	Notifying that regulated activity is no longer occurring at this Site
<input type="checkbox"/>	Obtaining or updating an EPA ID number for conducting Electronic Manifest Broker activities
<input type="checkbox"/>	Submitting a new or revised Part A Form

2. Site EPA ID Number

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

3. Site Name

--

4. Site Location Address

Street Address		
City, Town, or Village		County
State	Country	Zip Code

5. Site Mailing Address

Same as Location Address

Street Address		
City, Town, or Village		
State	Country	Zip Code

6. Site Land Type

<input type="checkbox"/> Private	<input type="checkbox"/> County	<input type="checkbox"/> District	<input type="checkbox"/> Federal	<input type="checkbox"/> Tribal	<input type="checkbox"/> Municipal	<input type="checkbox"/> State	<input type="checkbox"/> Other
----------------------------------	---------------------------------	-----------------------------------	----------------------------------	---------------------------------	------------------------------------	--------------------------------	--------------------------------

7. North American Industry Classification System (NAICS) Code(s) for the Site (at least 5-digit codes)

A. (Primary)	C.
B.	D.

EPA ID Number

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

8. Site Contact Information

Same as Location Address

First Name	MI	Last Name
Title		
Street Address		
City, Town, or Village		
State	Country	Zip Code
Email		
Phone	Ext	Fax

9. Legal Owner and Operator of the Site

A. Name of Site's Legal Owner

Same as Location Address

Full Name	Date Became Owner (mm/dd/yyyy)
Owner Type <input type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other	
Street Address	
City, Town, or Village	
State	Country
Zip Code	
Email	
Phone	Ext
Fax	
Comments	

B. Name of Site's Legal Operator

Same as Location Address

Full Name	Date Became Operator (mm/dd/yyyy)
Operator Type <input type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other	
Street Address	
City, Town, or Village	
State	Country
Zip Code	
Email	
Phone	Ext
Fax	
Comments	

10. Type of Regulated Waste Activity (at your site)

Mark "Yes" or "No" for all current activities (as of the date submitting the form); complete any additional boxes as instructed.

A. Hazardous Waste Activities

<input type="checkbox"/> Y	<input type="checkbox"/> N	1. Generator of Hazardous Waste—If "Yes", mark only one of the following—a, b, c	
	<input type="checkbox"/>	a. LQG	-Generates, in any calendar month (includes quantities imported by importer site) 1,000 kg/mo (2,200 lb/mo) or more of non-acute hazardous waste; or - Generates, in any calendar month, or accumulates at any time, more than 1 kg/mo (2.2 lb/mo) of acute hazardous waste; or - Generates, in any calendar month or accumulates at any time, more than 100 kg/mo (220 lb/mo) of acute hazardous spill cleanup material.
	<input type="checkbox"/>	b. SQG	100 to 1,000 kg/mo (220-2,200 lb/mo) of non-acute hazardous waste and no more than 1 kg (2.2 lb) of acute hazardous waste and no more than 100 kg (220 lb) of any acute hazardous spill cleanup material.
	<input type="checkbox"/>	c. VSQG	Less than or equal to 100 kg/mo (220 lb/mo) of non-acute hazardous waste.
<input type="checkbox"/> Y	<input type="checkbox"/> N	2. Short-Term Generator (generates from a short-term or one-time event and not from on-going processes). If "Yes", provide an explanation in the Comments section. <i>Note: If "Yes", you MUST indicate that you are a Generator of Hazardous Waste in Item 10.A.1 above.</i>	
<input type="checkbox"/> Y	<input type="checkbox"/> N	3. Treater, Storer or Disposer of Hazardous Waste—Note: Part B of a hazardous waste permit is required for these activities.	
<input type="checkbox"/> Y	<input type="checkbox"/> N	4. Receives Hazardous Waste from Off-site	
<input type="checkbox"/> Y	<input type="checkbox"/> N	5 Recycler of Hazardous Waste	
	<input type="checkbox"/>	a. Recycler who stores prior to recycling	
	<input type="checkbox"/>	b. Recycler who does not store prior to recycling	
<input type="checkbox"/> Y	<input type="checkbox"/> N	6. Exempt Boiler and/or Industrial Furnace—If "Yes", mark all that apply.	
	<input type="checkbox"/>	a. Small Quantity On-site Burner Exemption	
	<input type="checkbox"/>	b. Smelting, Melting, and Refining Furnace Exemption	

B. Waste Codes for Federally Regulated Hazardous Wastes. Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g. D001, D003, F007, U112). Use an additional page if more spaces are needed.

C. Waste Codes for State Regulated (non-Federal) Hazardous Wastes. Please list the waste codes of the State hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

11. Additional Regulated Waste Activities (NOTE: Refer to your State regulations to determine if a separate permit is required.)

A. Other Waste Activities

<input type="checkbox"/> Y <input type="checkbox"/> N	1. Transporter of Hazardous Waste—If “Yes”, mark all that apply.
<input type="checkbox"/>	a. Transporter
<input type="checkbox"/>	b. Transfer Facility (at your site)
<input type="checkbox"/> Y <input type="checkbox"/> N	2. Underground Injection Control
<input type="checkbox"/> Y <input type="checkbox"/> N	3. United States Importer of Hazardous Waste
<input type="checkbox"/> Y <input type="checkbox"/> N	4. Recognized Trader—If “Yes”, mark all that apply.
<input type="checkbox"/>	a. Importer
<input type="checkbox"/>	b. Exporter
<input type="checkbox"/> Y <input type="checkbox"/> N	5. Importer/Exporter of Spent Lead-Acid Batteries (SLABs) under 40 CFR 266 Subpart G—If “Yes”, mark all that apply.
<input type="checkbox"/>	a. Importer
<input type="checkbox"/>	b. Exporter

B. Universal Waste Activities

<input type="checkbox"/> Y <input type="checkbox"/> N	1. Large Quantity Handler of Universal Waste (you accumulate 5,000 kg or more) - If “Yes” mark all that apply. Note: Refer to your State regulations to determine what is regulated.
<input type="checkbox"/>	a. Batteries
<input type="checkbox"/>	b. Pesticides
<input type="checkbox"/>	c. Mercury containing equipment
<input type="checkbox"/>	d. Lamps
<input type="checkbox"/>	e. Other (specify) _____
<input type="checkbox"/>	f. Other (specify) _____
<input type="checkbox"/>	g. Other (specify) _____
<input type="checkbox"/> Y <input type="checkbox"/> N	2. Destination Facility for Universal Waste Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities

<input type="checkbox"/> Y <input type="checkbox"/> N	1. Used Oil Transporter—If “Yes”, mark all that apply.
<input type="checkbox"/>	a. Transporter
<input type="checkbox"/>	b. Transfer Facility (at your site)
<input type="checkbox"/> Y <input type="checkbox"/> N	2. Used Oil Processor and/or Re-refiner—If “Yes”, mark all that apply.
<input type="checkbox"/>	a. Processor
<input type="checkbox"/>	b. Re-refiner
<input type="checkbox"/> Y <input type="checkbox"/> N	3. Off-Specification Used Oil Burner
<input type="checkbox"/> Y <input type="checkbox"/> N	4. Used Oil Fuel Marketer—If “Yes”, mark all that apply.
<input type="checkbox"/>	a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
<input type="checkbox"/>	b. Marketer Who First Claims the Used Oil Meets the Specifications

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

D. Pharmaceutical Activities

<input type="checkbox"/> Y <input type="checkbox"/> N	1. Operating under 40 CFR 266 Subpart P for the management of hazardous waste pharmaceuticals—if “Yes”, mark only one. Note: See the item-by-item instructions for definitions of healthcare facility and reverse distributor.
<input type="checkbox"/>	a. Healthcare Facility
<input type="checkbox"/>	b. Reverse Distributor
<input type="checkbox"/> Y <input type="checkbox"/> N	2. Withdrawing from operating under 40 CFR 266 Subpart P for the management of hazardous waste pharmaceuticals. Note: You may only withdraw if you are a healthcare facility that is no longer an LQG or SQG.

12. Eligible Academic Entities with Laboratories—Notification for opting into or withdrawing from managing laboratory hazardous wastes pursuant to 40 CFR 262 Subpart K.

<input type="checkbox"/> Y <input type="checkbox"/> N	A. Opting into or currently operating under 40 CFR 262 Subpart K for the management of hazardous wastes in laboratories— If “Yes”, mark all that apply. Note: See the item-by-item instructions for definitions of types of eligible academic entities.
<input type="checkbox"/>	1. College or University
<input type="checkbox"/>	2. Teaching Hospital that is owned by or has a formal written affiliation with a college or university
<input type="checkbox"/>	3. Non-profit Institute that is owned by or has a formal written affiliation with a college or university
<input type="checkbox"/> Y <input type="checkbox"/> N	B. Withdrawing from 40 CFR 262 Subpart K for the management of hazardous wastes in laboratories.

13. Episodic Generation

<input type="checkbox"/> Y <input type="checkbox"/> N	Are you an SQG or VSQG generating hazardous waste from a planned or unplanned episodic event, lasting no more than 60 days, that moves you to a higher generator category. If “Yes”, you must fill out the Addendum for Episodic Generator?
---	---

14. LQG Consolidation of VSQG Hazardous Waste

<input type="checkbox"/> Y <input type="checkbox"/> N	Are you an LQG notifying of consolidating VSQG Hazardous Waste Under the Control of the Same Person pursuant to 40 CFR 262.17(f)? If “Yes”, you must fill out the Addendum for LQG Consolidation of VSQGs hazardous waste.
---	--

15. Notification of LQG Site Closure for a Central Accumulation Area (CAA) (optional) OR Entire Facility (required)

<input type="checkbox"/> Y <input type="checkbox"/> N	LQG Site Closure of a Central Accumulation Area (CAA) or Entire Facility.
A. <input type="checkbox"/> Central Accumulation Area (CAA) or <input type="checkbox"/> Entire Facility	
B. Expected closure date: _____ mm/dd/yyyy	
C. Requesting new closure date: _____ mm/dd/yyyy	
D. Date closed : _____ mm/dd/yyyy	
<input type="checkbox"/> 1. In compliance with the closure performance standards 40 CFR 262.17(a)(8)	
<input type="checkbox"/> 2. Not in compliance with the closure performance standards 40 CFR 262.17(a)(8)	

16. Notification of Hazardous Secondary Material (HSM) Activity

<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Are you notifying under 40 CFR 260.42 that you will begin managing, are managing, or will stop managing hazardous secondary material under 40 CFR 260.30, 40 CFR 261.4(a)(23), (24), (25), or (27)? If "Yes", you must fill out the Addendum to the Site Identification Form for Managing Hazardous Secondary Material.
--	---

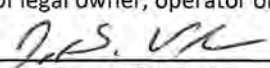
17. Electronic Manifest Broker

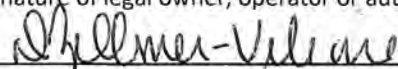
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Are you notifying as a person, as defined in 40 CFR 260.10, electing to use the EPA electronic manifest system to obtain, complete, and transmit an electronic manifest under a contractual relationship with a hazardous waste generator?
--	--

18. Comments (include item number for each comment)

The RCRA Subtitle C Activity Form (Site Identification Form 8700-12) is being submitted as part of the application for a hazardous waste treatment, storage and disposal facility (TSDF) license and Feasibility and Plan of Operation Report (FPOR) and is accompanied by EPA Hazardous Waste Permit Part A Form (8700-23) and EPA Notification of Hazardous Secondary Material addendum.

19. Certification I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations. **Note: For the RCRA Hazardous Waste Part A permit Application, all owners and operators must sign (see 40 CFR 270.10(b) and 270.11).**

Signature of legal owner, operator or authorized representative	Date (mm/dd/yyyy)
	9/2/22
Printed Name (First, Middle Initial Last)	Title
Jeffrey D. Villone	Founder/President
Email	
jvillone@enviro-safe.vome	

Signature of legal owner, operator or authorized representative	Date (mm/dd/yyyy)
	9/2/2022
Printed Name (First, Middle Initial Last)	Title
Dawn E. Zellmer-Vilione	CEO
Email	
dzellmer@enviro-safe.com	

RCRA Subtitle C Site Identification Form**Section 10.B: Continuation of Waste Codes for Federally Regulated Hazardous Waste**

D033	D034	D035	D036	D037	D038	D039	D040	D041	D042	D043	F001	F002
F003	F004	F005	F006	F007	F008	F009	F010	F011	F012	F019	F020	F021
F022	F023	F024	F025	F026	F027	F028	F032	F034	F035	F037	F038	F039
K001	K002	K003	K004	K005	K006	K007	K008	K009	K010	K011	K013	K014
K015	K016	K017	K018	K019	K020	K021	K022	K023	K024	K025	K026	K027
K028	K029	K030	K031	K032	K033	K034	K035	K036	K037	K038	K039	K040
K041	K042	K043	K044	K045	K046	K047	K048	K049	K050	K051	K052	K060
K061	K062	K069	K071	K073	K083	K084	K085	K086	K087	K088	K093	K094
K095	K096	K097	K098	K099	K100	K101	K102	K103	K104	K105	K106	K107
K108	K109	K110	K111	K112	K113	K114	K115	K116	K117	K118	K123	K124
K125	K126	K131	K132	K136	K141	K142	K143	K144	K145	K147	K148	K149
K150	K151	K156	K157	K158	K159	K161	K169	K170	K171	K172	K174	K175
K176	K177	K178	K181	P001	P002	P003	P004	P005	P006	P007	P008	P009
P010	P011	P012	P013	P014	P015	P016	P017	P018	P020	P021	P022	P023
P024	P026	P027	P028	P029	P030	P031	P033	P034	P036	P037	P038	P039
P040	P041	P042	P043	P044	P045	P046	P047	P048	P049	P050	P051	P054
P056	P057	P058	P059	P060	P062	P063	P064	P065	P066	P067	P068	P069
P070	P071	P072	P073	P074	P075	P076	P077	P078	P081	P082	P084	P085
P087	P088	P089	P092	P093	P094	P095	P096	P097	P098	P099	P101	P102
P103	P104	P105	P106	P108	P109	P110	P111	P112	P113	P114	P115	P116
P118	P119	P120	P121	P122	P123	P127	P128	P185	P188	P189	P190	P191
P192	P194	P196	P197	P198	P199	P201	P202	P203	P204	P205	U001	U002
U003	U004	U005	U006	U007	U008	U009	U010	U011	U012	U014	U015	U016
U017	U018	U019	U020	U021	U022	U023	U024	U025	U026	U027	U028	U029
U030	U031	U032	U033	U034	U035	U036	U037	U038	U039	U041	U042	U043
U044	U045	U046	U047	U048	U049	U050	U051	U052	U053	U055	U056	U057
U058	U059	U060	U061	U062	U063	U064	U066	U067	U068	U069	U070	U071
U072	U073	U074	U075	U076	U077	U078	U079	U080	U081	U082	U083	U084

U085 U086 U087 U088 U089 U090 U091 U092 U093 U094 U095 U096 U097
U098 U099 U101 U102 U103 U105 U106 U107 U108 U109 U110 U111 U112
U113 U114 U115 U116 U117 U118 U119 U120 U121 U122 U123 U124 U125
U126 U127 U128 U129 U130 U131 U132 U133 U134 U135 U136 U137 U138
U140 U141 U142 U143 U144 U145 U146 U147 U148 U149 U150 U151 U152
U153 U154 U155 U156 U157 U158 U159 U160 U161 U162 U163 U164 U165
U166 U167 U168 U169 U170 U171 U172 U173 U174 U176 U177 U178 U179
U180 U181 U182 U183 U184 U185 U186 U187 U188 U189 U190 U191 U192
U193 U194 U196 U197 U200 U201 U202 U203 U204 U205 U206 U207 U208
U209 U210 U211 U213 U214 U215 U216 U217 U218 U219 U220 U221 U222
U223 U225 U226 U227 U228 U234 U235 U236 U237 U238 U239 U240 U243
U244 U246 U247 U248 U249 U271 U278 U279 U280 U328 U353 U359 U364
U367 U372 U373 U387 U389 U394 U395 U404 U409 U410 U411

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**ADDENDUM TO THE SITE IDENTIFICATION FORM:
NOTIFICATION OF HAZARDOUS SECONDARY MATERIAL ACTIVITY**



ONLY fill out this form if:

- You are located in a State that allows you to manage excluded hazardous secondary material (HSM) under 40 CFR 260.30, 261.4(a)(23), (24), (25), or (27) (or state equivalent; See <https://www.epa.gov/epawaste/hazard/dsw/statespf.htm> for a list of eligible states; AND
- You are or will be managing excluded HSM in compliance with 40 CFR 260.30, 261.4(a)(23), (24), (25), or (27) (or state equivalent) or have stopped managing excluded HSM in compliance with the exclusion(s) and do not expect to manage any amount of excluded HSM under the exclusion(s) for at least one year. Do not include any information regarding your hazardous waste activities in this section. Note: If your facility was granted a solid waste variance under 40 CFR 260.30 prior to July 13, 2015, your management of HSM under 40 CFR 260.30 is grandfathered under the previous regulations and you are not required to notify for the HSM management activity excluded under 40 CFR 260.30.

1. Reason for Notification (Include dates where requested)

Facility will begin managing excluded HSM as of _____ (mm/dd/yyyy).

Facility is still managing excluded HSM/re-notifying as required by March 1 of each even-numbered year.

Facility has stopped managing excluded HSM as of _____ (mm/dd/yyyy) and is notifying as required.

2. Description of Excluded HSM Activity. Please list the appropriate codes (see Code List section of the instructions) and quantities, in short tons, to describe your excluded HSM activity ONLY (do not include any information regarding your hazardous wastes). Use additional pages if more space is needed.

A. Facility Code	B. Waste Code(s) for HSM	C. Estimate Short Tons of excluded HSM to be managed annually	D. Actual Short Tons of excluded HSM that was managed during the most recent odd-numbered year	E. Land-based Unit Code

Notification of Hazardous Secondary Material Activity**Section 2.B: Description of Excluded HSM Activity - Waste Code(s) for HSM**

D001	D002	D003	D004	D005	D006	D007	D008	D009	D010	D011	D012	D013
D014	D015	D016	D017	D018	D019	D020	D021	D022	D023	D024	D025	D026
D027	D028	D029	D030	D031	D032	D033	D034	D035	D036	D037	D038	D039
D040	D041	D042	D043	F001	F002	F003	F004	F005	F006	F007	F008	F009
F010	F011	F012	F019	F020	F021	F022	F023	F024	F025	F026	F027	F028
F032	F034	F035	F037	F038	F039	K001	K002	K003	K004	K005	K006	K007
K008	K009	K010	K011	K013	K014	K015	K016	K017	K018	K019	K020	K021
K022	K023	K024	K025	K026	K027	K028	K029	K030	K031	K032	K033	K034
K035	K036	K037	K038	K039	K040	K041	K042	K043	K044	K045	K046	K047
K048	K049	K050	K051	K052	K060	K061	K062	K069	K071	K073	K083	K084
K085	K086	K087	K088	K093	K094	K095	K096	K097	K098	K099	K100	K101
K102	K103	K104	K105	K106	K107	K108	K109	K110	K111	K112	K113	K114
K115	K116	K117	K118	K123	K124	K125	K126	K131	K132	K136	K141	K142
K143	K144	K145	K147	K148	K149	K150	K151	K156	K157	K158	K159	K161
K169	K170	K171	K172	K174	K175	K176	K177	K178	K181	P001	P002	P003
P004	P005	P006	P007	P008	P009	P010	P011	P012	P013	P014	P015	P016
P017	P018	P020	P021	P022	P023	P024	P026	P027	P028	P029	P030	P031
P033	P034	P036	P037	P038	P039	P040	P041	P042	P043	P044	P045	P046
P047	P048	P049	P050	P051	P054	P056	P057	P058	P059	P060	P062	P063
P064	P065	P066	P067	P068	P069	P070	P071	P072	P073	P074	P075	P076
P077	P078	P081	P082	P084	P085	P087	P088	P089	P092	P093	P094	P095
P096	P097	P098	P099	P101	P102	P103	P104	P105	P106	P108	P109	P110
P111	P112	P113	P114	P115	P116	P118	P119	P120	P121	P122	P123	P127
P128	P185	P188	P189	P190	P191	P192	P194	P196	P197	P198	P199	P201
P202	P203	P204	P205	U001	U002	U003	U004	U005	U006	U007	U008	U009
U010	U011	U012	U014	U015	U016	U017	U018	U019	U020	U021	U022	U023
U024	U025	U026	U027	U028	U029	U030	U031	U032	U033	U034	U035	U036

U037 U038 U039 U041 U042 U043 U044 U045 U046 U047 U048 U049 U050
U051 U052 U053 U055 U056 U057 U058 U059 U060 U061 U062 U063 U064
U066 U067 U068 U069 U070 U071 U072 U073 U074 U075 U076 U077 U078
U079 U080 U081 U082 U083 U084 U085 U086 U087 U088 U089 U090 U091
U092 U093 U094 U095 U096 U097 U098 U099 U101 U102 U103 U105 U106
U107 U108 U109 U110 U111 U112 U113 U114 U115 U116 U117 U118 U119
U120 U121 U122 U123 U124 U125 U126 U127 U128 U129 U130 U131 U132
U133 U134 U135 U136 U137 U138 U140 U141 U142 U143 U144 U145 U146
U147 U148 U149 U150 U151 U152 U153 U154 U155 U156 U157 U158 U159
U160 U161 U162 U163 U164 U165 U166 U167 U168 U169 U170 U171 U172
U173 U174 U176 U177 U178 U179 U180 U181 U182 U183 U184 U185 U186
U187 U188 U189 U190 U191 U192 U193 U194 U196 U197 U200 U201 U202
U203 U204 U205 U206 U207 U208 U209 U210 U211 U213 U214 U215 U216
U217 U218 U219 U220 U221 U222 U223 U225 U226 U227 U228 U234 U235
U236 U237 U238 U239 U240 U243 U244 U246 U247 U248 U249 U271 U278
U279 U280 U328 U353 U359 U364 U367 U372 U373 U387 U389 U394 U395
U404 U409 U410 U411

EPA ID Number

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

United States Environmental Protection Agency
HAZARDOUS WASTE PERMIT PART A FORM



1. Facility Permit Contact

First Name	MI	Last Name
Title		
Email		
Phone	Ext	Fax

2. Facility Permit Contact Mailing Address

Street Address		
City, Town, or Village		
State	Country	Zip Code

3. Facility Existence Date (mm/dd/yyyy)

--

4. Other Environmental Permits

A. Permit Type	B. Permit Number												C. Description	

5. Nature of Business

--

EPA ID Number

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

6. Process Codes and Design Capacities

Line Number	A. Process Code				B. Process Design Capacity		C. Process Total Number of Units	D. Unit Name
					(1) Amount	(2) Unit of Measure		

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes									
				(1) Process Codes				(2) Process Description (if code is not entered in 7.D1)					
See Additional Pages													

8. Map

Attach to this application a topographical map, or other equivalent map, of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all spring, rivers, and other surface water bodies in this map area. See instructions for precise requirements.

9. Facility Drawing

All existing facilities must include a scale drawing of the facility. See instructions for more detail.

10. Photographs

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment, and disposal areas; and sites of future storage, treatment, or disposal areas. See instructions for more detail.

11. Comments

7. Description of Hazardous Waste (Enter codes for Items 7.A, 7.C and 7.D(1))																	
Line No.	A. EPA Hazardous Waste No.				B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes										
							(1) Process Codes								(2) Process Description (if code is not entered in 7.D1)		
X	1	D	0	0	1	8800	T	S	0	1	T	0	4	0	0	0	
X	2	D	0	0	2	250	T	S	0	1	T	0	4	0	0	0	
X	3	D	0	0	3	250	T	S	0	1	T	0	4	0	0	0	
X	4	D	0	0	4	250	T	S	0	1	T	0	4	0	0	0	
X	5	D	0	0	5	250	T	S	0	1	T	0	4	0	0	0	
X	6	D	0	0	6	250	T	S	0	1	T	0	4	0	0	0	
X	7	D	0	0	7	250	T	S	0	1	T	0	4	0	0	0	
X	8	D	0	0	8	250	T	S	0	1	T	0	4	0	0	0	
X	9	D	0	0	9	250	T	S	0	1	T	0	4	0	0	0	
1	0	D	0	1	0	250	T	S	0	1	T	0	4	0	0	0	
1	1	D	0	1	1	250	T	S	0	1	T	0	4	0	0	0	
1	1	D	0	1	1	50	T	S	0	1	T	0	4	0	0	0	
1	2	D	0	1	2	50	T	S	0	1	T	0	4	0	0	0	
1	3	D	0	1	3	50	T	S	0	1	T	0	4	0	0	0	
1	4	D	0	1	4	50	T	S	0	1	T	0	4	0	0	0	
1	5	D	0	1	5	50	T	S	0	1	T	0	4	0	0	0	
1	6	D	0	1	6	50	T	S	0	1	T	0	4	0	0	0	
1	7	D	0	1	7	50	T	S	0	1	T	0	4	0	0	0	
1	8	D	0	1	8	50	T	S	0	1	T	0	4	0	0	0	
1	9	D	0	1	9	50	T	S	0	1	T	0	4	0	0	0	
2	0	D	0	2	0	50	T	S	0	1	T	0	4	0	0	0	
2	1	D	0	2	1	50	T	S	0	1	T	0	4	0	0	0	
2	2	D	0	2	2	50	T	S	0	1	T	0	4	0	0	0	
2	3	D	0	2	3	50	T	S	0	1	T	0	4	0	0	0	
2	4	D	0	2	4	50	T	S	0	1	T	0	4	0	0	0	
2	5	D	0	2	5	50	T	S	0	1	T	0	4	0	0	0	
2	6	D	0	2	6	50	T	S	0	1	T	0	4	0	0	0	
2	7	D	0	2	7	50	T	S	0	1	T	0	4	0	0	0	
2	8	D	0	2	8	50	T	S	0	1	T	0	4	0	0	0	
2	9	D	0	2	9	50	T	S	0	1	T	0	4	0	0	0	
3	0	D	0	3	0	50	T	S	0	1	T	0	4	0	0	0	
3	1	D	0	3	1	50	T	S	0	1	T	0	4	0	0	0	
3	2	D	0	3	2	50	T	S	0	1	T	0	4	0	0	0	
3	3	D	0	3	3	50	T	S	0	1	T	0	4	0	0	0	
3	4	D	0	3	4	50	T	S	0	1	T	0	4	0	0	0	
3	5	D	0	3	5	100	T	S	0	1	T	0	4	0	0	0	
3	6	D	0	3	6	50	T	S	0	1	T	0	4	0	0	0	
3	7	D	0	3	7	50	T	S	0	1	T	0	4	0	0	0	
3	8	D	0	3	8	50	T	S	0	1	T	0	4	0	0	0	
3	9	D	0	3	9	50	T	S	0	1	T	0	4	0	0	0	
4	0	D	0	4	0	50	T	S	0	1	T	0	4	0	0	0	
4	1	D	0	4	1	50	T	S	0	1	T	0	4	0	0	0	
4	2	D	0	4	2	50	T	S	0	1	T	0	4	0	0	0	

7. Description of Hazardous Waste (Enter codes for Items 7.A, 7.C and 7.D(1))																	
Line No.	A. EPA Hazardous Waste No.				B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes										
							(1) Process Codes										(2) Process Description (if code is not entered in 7.D1)
4	3	D	0	4	3	50	T	S	0	1	T	0	4	0	0	0	
4	4	F	0	0	1	250	T	S	0	1	T	0	4	0	0	0	
4	5	F	0	0	2	250	T	S	0	1	T	0	4	0	0	0	
4	6	F	0	0	3	250	T	S	0	1	T	0	4	0	0	0	
4	7	F	0	0	4	250	T	S	0	1	T	0	4	0	0	0	
4	8	F	0	0	5	500	T	S	0	1	T	0	4	0	0	0	
4	9	F	0	0	6	100	T	S	0	1	T	0	4	0	0	0	
5	0	F	0	0	7	50	T	S	0	1	T	0	4	0	0	0	
5	1	F	0	0	8	50	T	S	0	1	T	0	4	0	0	0	
5	2	F	0	0	9	50	T	S	0	1	T	0	4	0	0	0	
5	3	F	0	1	0	50	T	S	0	1	T	0	4	0	0	0	
5	4	F	0	1	1	50	T	S	0	1	T	0	4	0	0	0	
5	5	F	0	1	2	50	T	S	0	1	T	0	4	0	0	0	
5	6	F	0	1	9	50	T	S	0	1	T	0	4	0	0	0	
5	7	F	0	2	0	2	T	S	0	1	0	0	0	0	0	0	
5	8	F	0	2	1	2	T	S	0	1	0	0	0	0	0	0	
5	9	F	0	2	2	2	T	S	0	1	0	0	0	0	0	0	
6	0	F	0	2	3	2	T	S	0	1	0	0	0	0	0	0	
6	1	F	0	2	4	50	T	S	0	1	0	0	0	0	0	0	
6	2	F	0	2	5	50	T	S	0	1	0	0	0	0	0	0	
6	3	F	0	2	6	2	T	S	0	1	0	0	0	0	0	0	
6	4	F	0	2	7	2	T	S	0	1	0	0	0	0	0	0	
6	5	F	0	2	8	2	T	S	0	1	0	0	0	0	0	0	
6	6	F	0	3	2	50	T	S	0	1	T	0	4	0	0	0	
6	7	F	0	3	4	50	T	S	0	1	T	0	4	0	0	0	
6	8	F	0	3	5	50	T	S	0	1	T	0	4	0	0	0	
6	9	F	0	3	7	50	T	S	0	1	T	0	4	0	0	0	
7	0	F	0	3	8	50	T	S	0	1	T	0	4	0	0	0	
7	1	F	0	3	9	50	T	S	0	1	T	0	4	0	0	0	
7	2	K	0	0	1	50	T	S	0	1	T	0	4	0	0	0	
7	3	K	0	0	2	50	T	S	0	1	T	0	4	0	0	0	
7	4	K	0	0	3	50	T	S	0	1	T	0	4	0	0	0	
7	5	K	0	0	4	50	T	S	0	1	T	0	4	0	0	0	
7	6	K	0	0	5	50	T	S	0	1	T	0	4	0	0	0	
7	7	K	0	0	6	50	T	S	0	1	T	0	4	0	0	0	
7	8	K	0	0	7	50	T	S	0	1	T	0	4	0	0	0	
7	9	K	0	0	8	50	T	S	0	1	T	0	4	0	0	0	
8	0	K	0	0	9	50	T	S	0	1	T	0	4	0	0	0	
8	1	K	0	1	0	50	T	S	0	1	T	0	4	0	0	0	
8	2	K	0	1	1	50	T	S	0	1	T	0	4	0	0	0	
8	3	K	0	1	3	50	T	S	0	1	T	0	4	0	0	0	
8	4	K	0	1	4	50	T	S	0	1	T	0	4	0	0	0	
8	5	K	0	1	5	50	T	S	0	1	T	0	4	0	0	0	

7. Description of Hazardous Waste (Enter codes for Items 7.A, 7.C and 7.D(1))																	
Line No.	A. EPA Hazardous Waste No.					B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes									
								(1) Process Codes								(2) Process Description (if code is not entered in 7.D1)	
8	6	K	0	1	6	50	T	S	0	1	T	0	4	0	0	0	
8	7	K	0	1	7	50	T	S	0	1	T	0	4	0	0	0	
8	8	K	0	1	8	50	T	S	0	1	T	0	4	0	0	0	
8	9	K	0	1	9	50	T	S	0	1	T	0	4	0	0	0	
9	0	K	0	2	0	50	T	S	0	1	T	0	4	0	0	0	
9	1	K	0	2	1	50	T	S	0	1	T	0	4	0	0	0	
9	2	K	0	2	2	50	T	S	0	1	T	0	4	0	0	0	
9	3	K	0	2	3	50	T	S	0	1	T	0	4	0	0	0	
9	4	K	0	2	4	50	T	S	0	1	T	0	4	0	0	0	
9	5	K	0	2	5	50	T	S	0	1	T	0	4	0	0	0	
9	6	K	0	2	6	50	T	S	0	1	T	0	4	0	0	0	
9	7	K	0	2	7	50	T	S	0	1	T	0	4	0	0	0	
9	8	K	0	2	8	50	T	S	0	1	T	0	4	0	0	0	
9	9	K	0	2	9	50	T	S	0	1	T	0	4	0	0	0	
10	0	K	0	3	0	50	T	S	0	1	T	0	4	0	0	0	
10	1	K	0	3	1	50	T	S	0	1	T	0	4	0	0	0	
10	2	K	0	3	2	50	T	S	0	1	T	0	4	0	0	0	
10	3	K	0	3	3	50	T	S	0	1	T	0	4	0	0	0	
10	4	K	0	3	4	50	T	S	0	1	T	0	4	0	0	0	
10	5	K	0	3	5	50	T	S	0	1	T	0	4	0	0	0	
10	6	K	0	3	6	50	T	S	0	1	T	0	4	0	0	0	
10	7	K	0	3	7	50	T	S	0	1	T	0	4	0	0	0	
10	8	K	0	3	8	50	T	S	0	1	T	0	4	0	0	0	
10	9	K	0	3	9	50	T	S	0	1	T	0	4	0	0	0	
11	0	K	0	4	0	50	T	S	0	1	T	0	4	0	0	0	
11	1	K	0	4	1	50	T	S	0	1	T	0	4	0	0	0	
11	2	K	0	4	2	50	T	S	0	1	T	0	4	0	0	0	
11	3	K	0	4	3	50	T	S	0	1	T	0	4	0	0	0	
11	4	K	0	4	4	50	T	S	0	1	T	0	4	0	0	0	
11	5	K	0	4	5	50	T	S	0	1	T	0	4	0	0	0	
11	6	K	0	4	6	50	T	S	0	1	T	0	4	0	0	0	
11	7	K	0	4	7	50	T	S	0	1	T	0	4	0	0	0	
11	8	K	0	4	8	50	T	S	0	1	T	0	4	0	0	0	
11	9	K	0	4	9	50	T	S	0	1	T	0	4	0	0	0	
12	0	K	0	5	0	50	T	S	0	1	T	0	4	0	0	0	
12	1	K	0	5	1	50	T	S	0	1	T	0	4	0	0	0	
12	2	K	0	5	2	50	T	S	0	1	T	0	4	0	0	0	
12	3	K	0	6	0	50	T	S	0	1	T	0	4	0	0	0	
12	4	K	0	6	1	50	T	S	0	1	T	0	4	0	0	0	
12	5	K	0	6	2	50	T	S	0	1	T	0	4	0	0	0	
12	6	K	0	6	9	50	T	S	0	1	T	0	4	0	0	0	
12	7	K	0	7	1	50	T	S	0	1	T	0	4	0	0	0	
12	8	K	0	7	3	50	T	S	0	1	T	0	4	0	0	0	

7. Description of Hazardous Waste (Enter codes for Items 7.A, 7.C and 7.D(1))																	
Line No.	A. EPA Hazardous Waste No.				B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes										
							(1) Process Codes								(2) Process Description <small>(if code is not entered in 7.D1)</small>		
12	9	K	0	8	3	50	T	S	0	1	T	0	4	0	0	0	
13	0	K	0	8	4	50	T	S	0	1	T	0	4	0	0	0	
13	1	K	0	8	5	50	T	S	0	1	T	0	4	0	0	0	
13	2	K	0	8	6	50	T	S	0	1	T	0	4	0	0	0	
13	3	K	0	8	7	50	T	S	0	1	T	0	4	0	0	0	
13	4	K	0	8	8	50	T	S	0	1	T	0	4	0	0	0	
13	5	K	0	9	3	50	T	S	0	1	T	0	4	0	0	0	
13	6	K	0	9	4	50	T	S	0	1	T	0	4	0	0	0	
13	7	K	0	9	5	50	T	S	0	1	T	0	4	0	0	0	
13	8	K	0	9	6	50	T	S	0	1	T	0	4	0	0	0	
13	9	K	0	9	7	50	T	S	0	1	T	0	4	0	0	0	
14	0	K	0	9	8	50	T	S	0	1	T	0	4	0	0	0	
14	1	K	0	9	9	50	T	S	0	1	T	0	4	0	0	0	
14	2	K	1	0	0	50	T	S	0	1	T	0	4	0	0	0	
14	3	K	1	0	1	50	T	S	0	1	T	0	4	0	0	0	
14	4	K	1	0	2	50	T	S	0	1	T	0	4	0	0	0	
14	5	K	1	0	3	50	T	S	0	1	T	0	4	0	0	0	
14	6	K	1	0	4	50	T	S	0	1	T	0	4	0	0	0	
14	7	K	1	0	5	50	T	S	0	1	T	0	4	0	0	0	
14	8	K	1	0	6	50	T	S	0	1	T	0	4	0	0	0	
14	9	K	1	0	7	50	T	S	0	1	T	0	4	0	0	0	
15	0	K	1	0	8	50	T	S	0	1	T	0	4	0	0	0	
15	1	K	1	0	9	50	T	S	0	1	T	0	4	0	0	0	
15	2	K	1	1	0	50	T	S	0	1	T	0	4	0	0	0	
15	3	K	1	1	1	50	T	S	0	1	T	0	4	0	0	0	
15	4	K	1	1	2	50	T	S	0	1	T	0	4	0	0	0	
15	5	K	1	1	3	50	T	S	0	1	T	0	4	0	0	0	
15	6	K	1	1	4	50	T	S	0	1	T	0	4	0	0	0	
15	7	K	1	1	5	50	T	S	0	1	T	0	4	0	0	0	
15	8	K	1	1	6	50	T	S	0	1	T	0	4	0	0	0	
15	9	K	1	1	7	50	T	S	0	1	T	0	4	0	0	0	
16	0	K	1	1	8	50	T	S	0	1	T	0	4	0	0	0	
16	1	K	1	2	3	50	T	S	0	1	T	0	4	0	0	0	
16	2	K	1	2	4	50	T	S	0	1	T	0	4	0	0	0	
16	3	K	1	2	5	50	T	S	0	1	T	0	4	0	0	0	
16	4	K	1	2	6	50	T	S	0	1	T	0	4	0	0	0	
16	5	K	1	3	1	50	T	S	0	1	T	0	4	0	0	0	
16	6	K	1	3	2	50	T	S	0	1	T	0	4	0	0	0	
16	7	K	1	3	6	50	T	S	0	1	T	0	4	0	0	0	
16	8	K	1	4	1	50	T	S	0	1	T	0	4	0	0	0	
16	9	K	1	4	2	50	T	S	0	1	T	0	4	0	0	0	
17	0	K	1	4	3	50	T	S	0	1	T	0	4	0	0	0	
17	1	K	1	4	4	50	T	S	0	1	T	0	4	0	0	0	

7. Description of Hazardous Waste (Enter codes for Items 7.A, 7.C and 7.D(1))																	
Line No.	A. EPA Hazardous Waste No.				B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes										
							(1) Process Codes									(2) Process Description (if code is not entered in 7.D1)	
17	2	K	1	4	5	50	T	S	0	1	T	0	4	0	0	0	
17	3	K	1	4	7	50	T	S	0	1	T	0	4	0	0	0	
17	4	K	1	4	8	50	T	S	0	1	T	0	4	0	0	0	
17	5	K	1	4	9	50	T	S	0	1	T	0	4	0	0	0	
17	6	K	1	5	0	50	T	S	0	1	T	0	4	0	0	0	
17	7	K	1	5	1	50	T	S	0	1	T	0	4	0	0	0	
17	8	K	1	5	6	50	T	S	0	1	T	0	4	0	0	0	
17	9	K	1	5	7	50	T	S	0	1	T	0	4	0	0	0	
18	0	K	1	5	8	50	T	S	0	1	T	0	4	0	0	0	
18	1	K	1	5	9	50	T	S	0	1	T	0	4	0	0	0	
18	2	K	1	6	1	50	T	S	0	1	T	0	4	0	0	0	
18	3	K	1	6	9	50	T	S	0	1	T	0	4	0	0	0	
18	4	K	1	7	0	50	T	S	0	1	T	0	4	0	0	0	
18	5	K	1	7	1	50	T	S	0	1	T	0	4	0	0	0	
18	6	K	1	7	2	50	T	S	0	1	T	0	4	0	0	0	
18	7	K	1	7	4	50	T	S	0	1	T	0	4	0	0	0	
18	8	K	1	7	5	50	T	S	0	1	T	0	4	0	0	0	
18	9	K	1	7	6	50	T	S	0	1	T	0	4	0	0	0	
19	0	K	1	7	7	50	T	S	0	1	T	0	4	0	0	0	
19	1	K	1	7	8	50	T	S	0	1	T	0	4	0	0	0	
19	2	K	1	8	1	50	T	S	0	1	T	0	4	0	0	0	
19	3	P	0	0	1	50	T	S	0	1	0	0	0	0	0	0	
19	4	P	0	0	2	50	T	S	0	1	0	0	0	0	0	0	
19	5	P	0	0	3	50	T	S	0	1	0	0	0	0	0	0	
19	6	P	0	0	4	50	T	S	0	1	0	0	0	0	0	0	
19	7	P	0	0	5	50	T	S	0	1	0	0	0	0	0	0	
19	8	P	0	0	6	50	T	S	0	1	0	0	0	0	0	0	
19	9	P	0	0	7	50	T	S	0	1	0	0	0	0	0	0	
20	0	P	0	0	8	50	T	S	0	1	0	0	0	0	0	0	
20	1	P	0	0	9	50	T	S	0	1	0	0	0	0	0	0	
20	2	P	0	1	0	50	T	S	0	1	0	0	0	0	0	0	
20	3	P	0	1	1	50	T	S	0	1	0	0	0	0	0	0	
20	4	P	0	1	2	50	T	S	0	1	0	0	0	0	0	0	
20	5	P	0	1	3	50	T	S	0	1	0	0	0	0	0	0	
20	6	P	0	1	4	50	T	S	0	1	0	0	0	0	0	0	
20	7	P	0	1	5	50	T	S	0	1	0	0	0	0	0	0	
20	8	P	0	1	6	50	T	S	0	1	0	0	0	0	0	0	
20	9	P	0	1	7	50	T	S	0	1	0	0	0	0	0	0	
21	0	P	0	1	8	50	T	S	0	1	0	0	0	0	0	0	
21	1	P	0	2	0	50	T	S	0	1	0	0	0	0	0	0	
21	2	P	0	2	1	50	T	S	0	1	0	0	0	0	0	0	
21	3	P	0	2	2	50	T	S	0	1	0	0	0	0	0	0	
21	4	P	0	2	3	50	T	S	0	1	0	0	0	0	0	0	

7. Description of Hazardous Waste (Enter codes for Items 7.A, 7.C and 7.D(1))																	
Line No.	A. EPA Hazardous Waste No.				B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes										
							(1) Process Codes										(2) Process Description (if code is not entered in 7.D1)
21	5	P	0	2	4	50	T	S	0	1	0	0	0	0	0	0	
21	6	P	0	2	6	50	T	S	0	1	0	0	0	0	0	0	
21	7	P	0	2	7	50	T	S	0	1	0	0	0	0	0	0	
21	8	P	0	2	8	50	T	S	0	1	0	0	0	0	0	0	
21	9	P	0	2	9	50	T	S	0	1	0	0	0	0	0	0	
22	0	P	0	3	0	50	T	S	0	1	0	0	0	0	0	0	
22	1	P	0	3	1	50	T	S	0	1	0	0	0	0	0	0	
22	2	P	0	3	3	50	T	S	0	1	0	0	0	0	0	0	
22	3	P	0	3	4	50	T	S	0	1	0	0	0	0	0	0	
22	4	P	0	3	6	50	T	S	0	1	0	0	0	0	0	0	
22	5	P	0	3	7	50	T	S	0	1	0	0	0	0	0	0	
22	6	P	0	3	8	50	T	S	0	1	0	0	0	0	0	0	
22	7	P	0	3	9	50	T	S	0	1	0	0	0	0	0	0	
22	8	P	0	4	0	50	T	S	0	1	0	0	0	0	0	0	
22	9	P	0	4	1	50	T	S	0	1	0	0	0	0	0	0	
23	0	P	0	4	2	50	T	S	0	1	0	0	0	0	0	0	
23	1	P	0	4	3	50	T	S	0	1	0	0	0	0	0	0	
23	2	P	0	4	4	50	T	S	0	1	0	0	0	0	0	0	
23	3	P	0	4	5	50	T	S	0	1	0	0	0	0	0	0	
23	4	P	0	4	6	50	T	S	0	1	0	0	0	0	0	0	
23	5	P	0	4	7	50	T	S	0	1	0	0	0	0	0	0	
23	6	P	0	4	8	50	T	S	0	1	0	0	0	0	0	0	
23	7	P	0	4	9	50	T	S	0	1	0	0	0	0	0	0	
23	8	P	0	5	0	50	T	S	0	1	0	0	0	0	0	0	
23	9	P	0	5	1	50	T	S	0	1	0	0	0	0	0	0	
24	0	P	0	5	4	50	T	S	0	1	0	0	0	0	0	0	
24	1	P	0	5	6	50	T	S	0	1	0	0	0	0	0	0	
24	2	P	0	5	7	50	T	S	0	1	0	0	0	0	0	0	
24	3	P	0	5	8	50	T	S	0	1	0	0	0	0	0	0	
24	4	P	0	5	9	50	T	S	0	1	0	0	0	0	0	0	
24	5	P	0	6	0	50	T	S	0	1	0	0	0	0	0	0	
24	6	P	0	6	2	50	T	S	0	1	0	0	0	0	0	0	
24	7	P	0	6	3	50	T	S	0	1	0	0	0	0	0	0	
24	8	P	0	6	4	50	T	S	0	1	0	0	0	0	0	0	
24	9	P	0	6	5	50	T	S	0	1	0	0	0	0	0	0	
25	0	P	0	6	6	50	T	S	0	1	0	0	0	0	0	0	
25	1	P	0	6	7	50	T	S	0	1	0	0	0	0	0	0	
25	2	P	0	6	8	50	T	S	0	1	0	0	0	0	0	0	
25	3	P	0	6	9	50	T	S	0	1	0	0	0	0	0	0	
25	4	P	0	7	0	50	T	S	0	1	0	0	0	0	0	0	
25	5	P	0	7	1	50	T	S	0	1	0	0	0	0	0	0	
25	6	P	0	7	2	50	T	S	0	1	0	0	0	0	0	0	
25	7	P	0	7	3	50	T	S	0	1	0	0	0	0	0	0	

7. Description of Hazardous Waste (Enter codes for Items 7.A, 7.C and 7.D(1))																	
Line No.	A. EPA Hazardous Waste No.				B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes										
							(1) Process Codes								(2) Process Description (if code is not entered in 7.D1)		
25	8	P	0	7	4	50	T	S	0	1	0	0	0	0	0	0	
25	9	P	0	7	5	50	T	S	0	1	0	0	0	0	0	0	
26	0	P	0	7	6	50	T	S	0	1	0	0	0	0	0	0	
26	1	P	0	7	7	50	T	S	0	1	0	0	0	0	0	0	
26	2	P	0	7	8	50	T	S	0	1	0	0	0	0	0	0	
26	3	P	0	8	1	50	T	S	0	1	0	0	0	0	0	0	
26	4	P	0	8	2	50	T	S	0	1	0	0	0	0	0	0	
26	5	P	0	8	4	50	T	S	0	1	0	0	0	0	0	0	
26	6	P	0	8	5	50	T	S	0	1	0	0	0	0	0	0	
26	7	P	0	8	7	50	T	S	0	1	0	0	0	0	0	0	
26	8	P	0	8	8	50	T	S	0	1	0	0	0	0	0	0	
26	9	P	0	8	9	50	T	S	0	1	0	0	0	0	0	0	
27	0	P	0	9	2	50	T	S	0	1	0	0	0	0	0	0	
27	1	P	0	9	3	50	T	S	0	1	0	0	0	0	0	0	
27	2	P	0	9	4	50	T	S	0	1	0	0	0	0	0	0	
27	3	P	0	9	5	50	T	S	0	1	0	0	0	0	0	0	
27	4	P	0	9	6	50	T	S	0	1	0	0	0	0	0	0	
27	5	P	0	9	7	50	T	S	0	1	0	0	0	0	0	0	
27	6	P	0	9	8	50	T	S	0	1	0	0	0	0	0	0	
27	7	P	0	9	9	50	T	S	0	1	0	0	0	0	0	0	
27	8	P	1	0	1	50	T	S	0	1	0	0	0	0	0	0	
27	9	P	1	0	2	50	T	S	0	1	0	0	0	0	0	0	
28	0	P	1	0	3	50	T	S	0	1	0	0	0	0	0	0	
28	1	P	1	0	4	50	T	S	0	1	0	0	0	0	0	0	
28	2	P	1	0	5	50	T	S	0	1	0	0	0	0	0	0	
28	3	P	1	0	6	50	T	S	0	1	0	0	0	0	0	0	
28	4	P	1	0	8	50	T	S	0	1	0	0	0	0	0	0	
28	5	P	1	0	9	50	T	S	0	1	0	0	0	0	0	0	
28	6	P	1	1	0	50	T	S	0	1	0	0	0	0	0	0	
28	7	P	1	1	1	50	T	S	0	1	0	0	0	0	0	0	
28	8	P	1	1	2	50	T	S	0	1	0	0	0	0	0	0	
28	9	P	1	1	3	50	T	S	0	1	0	0	0	0	0	0	
29	0	P	1	1	4	50	T	S	0	1	0	0	0	0	0	0	
29	1	P	1	1	5	50	T	S	0	1	0	0	0	0	0	0	
29	2	P	1	1	6	50	T	S	0	1	0	0	0	0	0	0	
29	3	P	1	1	8	50	T	S	0	1	0	0	0	0	0	0	
29	4	P	1	1	9	50	T	S	0	1	0	0	0	0	0	0	
29	5	P	1	2	0	50	T	S	0	1	0	0	0	0	0	0	
29	6	P	1	2	1	50	T	S	0	1	0	0	0	0	0	0	
29	7	P	1	2	2	50	T	S	0	1	0	0	0	0	0	0	
29	8	P	1	2	3	50	T	S	0	1	0	0	0	0	0	0	
29	9	P	1	2	7	50	T	S	0	1	0	0	0	0	0	0	
30	0	P	1	2	8	50	T	S	0	1	0	0	0	0	0	0	

7. Description of Hazardous Waste (Enter codes for Items 7.A, 7.C and 7.D(1))																
Line No.	A. EPA Hazardous Waste No.				B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes									
							(1) Process Codes							(2) Process Description (if code is not entered in 7.D1)		
30	1	P	1	8	5	50	T	S	0	1	0	0	0	0	0	
30	2	P	1	8	8	50	T	S	0	1	0	0	0	0	0	
30	3	P	1	8	9	50	T	S	0	1	0	0	0	0	0	
30	4	P	1	9	0	50	T	S	0	1	0	0	0	0	0	
30	5	P	1	9	1	50	T	S	0	1	0	0	0	0	0	
30	6	P	1	9	2	50	T	S	0	1	0	0	0	0	0	
30	7	P	1	9	4	50	T	S	0	1	0	0	0	0	0	
30	8	P	1	9	6	50	T	S	0	1	0	0	0	0	0	
30	9	P	1	9	7	50	T	S	0	1	0	0	0	0	0	
31	0	P	1	9	8	50	T	S	0	1	0	0	0	0	0	
31	1	P	1	9	9	50	T	S	0	1	0	0	0	0	0	
31	2	P	2	0	1	50	T	S	0	1	0	0	0	0	0	
31	3	P	2	0	2	50	T	S	0	1	0	0	0	0	0	
31	4	P	2	0	3	50	T	S	0	1	0	0	0	0	0	
31	5	P	2	0	4	50	T	S	0	1	0	0	0	0	0	
31	6	P	2	0	5	50	T	S	0	1	0	0	0	0	0	
31	7	U	0	0	1	50	T	S	0	1	T	0	4	0	0	
31	8	U	0	0	2	50	T	S	0	1	T	0	4	0	0	
31	9	U	0	0	3	50	T	S	0	1	T	0	4	0	0	
32	0	U	0	0	4	50	T	S	0	1	T	0	4	0	0	
32	1	U	0	0	5	50	T	S	0	1	T	0	4	0	0	
32	2	U	0	0	6	50	T	S	0	1	T	0	4	0	0	
32	3	U	0	0	7	50	T	S	0	1	T	0	4	0	0	
32	4	U	0	0	8	50	T	S	0	1	T	0	4	0	0	
32	5	U	0	0	9	50	T	S	0	1	T	0	4	0	0	
32	6	U	0	1	0	50	T	S	0	1	T	0	4	0	0	
32	7	U	0	1	1	50	T	S	0	1	T	0	4	0	0	
32	8	U	0	1	2	50	T	S	0	1	T	0	4	0	0	
32	9	U	0	1	4	50	T	S	0	1	T	0	4	0	0	
33	0	U	0	1	5	50	T	S	0	1	T	0	4	0	0	
33	1	U	0	1	6	50	T	S	0	1	T	0	4	0	0	
33	2	U	0	1	7	50	T	S	0	1	T	0	4	0	0	
33	3	U	0	1	8	50	T	S	0	1	T	0	4	0	0	
33	4	U	0	1	9	50	T	S	0	1	T	0	4	0	0	
33	5	U	0	2	0	50	T	S	0	1	T	0	4	0	0	
33	6	U	0	2	1	50	T	S	0	1	T	0	4	0	0	
33	7	U	0	2	2	50	T	S	0	1	T	0	4	0	0	
33	8	U	0	2	3	50	T	S	0	1	T	0	4	0	0	
33	9	U	0	2	4	50	T	S	0	1	T	0	4	0	0	
34	0	U	0	2	5	50	T	S	0	1	T	0	4	0	0	
34	1	U	0	2	6	50	T	S	0	1	T	0	4	0	0	
34	2	U	0	2	7	50	T	S	0	1	T	0	4	0	0	
34	3	U	0	2	8	50	T	S	0	1	T	0	4	0	0	

7. Description of Hazardous Waste (Enter codes for Items 7.A, 7.C and 7.D(1))																	
Line No.	A. EPA Hazardous Waste No.				B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes										
							(1) Process Codes										(2) Process Description (if code is not entered in 7.D1)
34	4	U	0	2	9	50	T	S	0	1	T	0	4	0	0	0	
34	5	U	0	3	0	50	T	S	0	1	T	0	4	0	0	0	
34	6	U	0	3	1	50	T	S	0	1	T	0	4	0	0	0	
34	7	U	0	3	2	50	T	S	0	1	T	0	4	0	0	0	
34	8	U	0	3	3	50	T	S	0	1	T	0	4	0	0	0	
34	9	U	0	3	4	50	T	S	0	1	T	0	4	0	0	0	
35	0	U	0	3	5	50	T	S	0	1	T	0	4	0	0	0	
35	1	U	0	3	6	50	T	S	0	1	T	0	4	0	0	0	
35	2	U	0	3	7	50	T	S	0	1	T	0	4	0	0	0	
35	3	U	0	3	8	50	T	S	0	1	T	0	4	0	0	0	
35	4	U	0	3	9	50	T	S	0	1	T	0	4	0	0	0	
35	5	U	0	4	1	50	T	S	0	1	T	0	4	0	0	0	
35	6	U	0	4	2	50	T	S	0	1	T	0	4	0	0	0	
35	7	U	0	4	3	50	T	S	0	1	T	0	4	0	0	0	
35	8	U	0	4	4	50	T	S	0	1	T	0	4	0	0	0	
35	9	U	0	4	5	50	T	S	0	1	T	0	4	0	0	0	
36	0	U	0	4	6	50	T	S	0	1	T	0	4	0	0	0	
36	1	U	0	4	7	50	T	S	0	1	T	0	4	0	0	0	
36	2	U	0	4	8	50	T	S	0	1	T	0	4	0	0	0	
36	3	U	0	4	9	50	T	S	0	1	T	0	4	0	0	0	
36	4	U	0	5	0	50	T	S	0	1	T	0	4	0	0	0	
36	5	U	0	5	1	50	T	S	0	1	T	0	4	0	0	0	
36	6	U	0	5	2	50	T	S	0	1	T	0	4	0	0	0	
36	7	U	0	5	3	50	T	S	0	1	T	0	4	0	0	0	
36	8	U	0	5	5	50	T	S	0	1	T	0	4	0	0	0	
36	9	U	0	5	6	50	T	S	0	1	T	0	4	0	0	0	
37	0	U	0	5	7	50	T	S	0	1	T	0	4	0	0	0	
37	1	U	0	5	8	50	T	S	0	1	T	0	4	0	0	0	
37	2	U	0	5	9	50	T	S	0	1	T	0	4	0	0	0	
37	3	U	0	6	0	50	T	S	0	1	T	0	4	0	0	0	
37	4	U	0	6	1	50	T	S	0	1	T	0	4	0	0	0	
37	5	U	0	6	2	50	T	S	0	1	T	0	4	0	0	0	
37	6	U	0	6	3	50	T	S	0	1	T	0	4	0	0	0	
37	7	U	0	6	4	50	T	S	0	1	T	0	4	0	0	0	
37	8	U	0	6	6	50	T	S	0	1	T	0	4	0	0	0	
37	9	U	0	6	7	50	T	S	0	1	T	0	4	0	0	0	
38	0	U	0	6	8	50	T	S	0	1	T	0	4	0	0	0	
38	1	U	0	6	9	50	T	S	0	1	T	0	4	0	0	0	
38	2	U	0	7	0	50	T	S	0	1	T	0	4	0	0	0	
38	3	U	0	7	1	50	T	S	0	1	T	0	4	0	0	0	
38	4	U	0	7	2	50	T	S	0	1	T	0	4	0	0	0	
38	5	U	0	7	3	50	T	S	0	1	T	0	4	0	0	0	
38	6	U	0	7	4	50	T	S	0	1	T	0	4	0	0	0	

7. Description of Hazardous Waste (Enter codes for Items 7.A, 7.C and 7.D(1))																	
Line No.	A. EPA Hazardous Waste No.				B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes										
							(1) Process Codes				(2) Process Description (if code is not entered in 7.D1)						
38	7	U	0	7	5	50	T	S	0	1	T	0	4	0	0	0	
38	8	U	0	7	6	50	T	S	0	1	T	0	4	0	0	0	
38	9	U	0	7	7	50	T	S	0	1	T	0	4	0	0	0	
39	0	U	0	7	8	50	T	S	0	1	T	0	4	0	0	0	
39	1	U	0	7	9	50	T	S	0	1	T	0	4	0	0	0	
39	2	U	0	8	0	50	T	S	0	1	T	0	4	0	0	0	
39	3	U	0	8	1	50	T	S	0	1	T	0	4	0	0	0	
39	4	U	0	8	2	50	T	S	0	1	T	0	4	0	0	0	
39	5	U	0	8	3	50	T	S	0	1	T	0	4	0	0	0	
39	6	U	0	8	4	50	T	S	0	1	T	0	4	0	0	0	
39	7	U	0	8	5	50	T	S	0	1	T	0	4	0	0	0	
39	8	U	0	8	6	50	T	S	0	1	T	0	4	0	0	0	
39	9	U	0	8	7	50	T	S	0	1	T	0	4	0	0	0	
40	0	U	0	8	8	50	T	S	0	1	T	0	4	0	0	0	
40	1	U	0	8	9	50	T	S	0	1	T	0	4	0	0	0	
40	2	U	0	9	0	50	T	S	0	1	T	0	4	0	0	0	
40	3	U	0	9	1	50	T	S	0	1	T	0	4	0	0	0	
40	4	U	0	9	2	50	T	S	0	1	T	0	4	0	0	0	
40	5	U	0	9	3	50	T	S	0	1	T	0	4	0	0	0	
40	6	U	0	9	4	50	T	S	0	1	T	0	4	0	0	0	
40	7	U	0	9	5	50	T	S	0	1	T	0	4	0	0	0	
40	8	U	0	9	6	50	T	S	0	1	T	0	4	0	0	0	
40	9	U	0	9	7	50	T	S	0	1	T	0	4	0	0	0	
41	0	U	0	9	8	50	T	S	0	1	T	0	4	0	0	0	
41	1	U	0	9	9	50	T	S	0	1	T	0	4	0	0	0	
41	2	U	1	0	1	50	T	S	0	1	T	0	4	0	0	0	
41	3	U	1	0	2	50	T	S	0	1	T	0	4	0	0	0	
41	4	U	1	0	3	50	T	S	0	1	T	0	4	0	0	0	
41	5	U	1	0	5	50	T	S	0	1	T	0	4	0	0	0	
41	6	U	1	0	6	50	T	S	0	1	T	0	4	0	0	0	
41	7	U	1	0	7	50	T	S	0	1	T	0	4	0	0	0	
41	8	U	1	0	8	50	T	S	0	1	T	0	4	0	0	0	
41	9	U	1	0	9	50	T	S	0	1	T	0	4	0	0	0	
42	0	U	1	1	0	50	T	S	0	1	T	0	4	0	0	0	
42	1	U	1	1	1	50	T	S	0	1	T	0	4	0	0	0	
42	2	U	1	1	2	50	T	S	0	1	T	0	4	0	0	0	
42	3	U	1	1	3	50	T	S	0	1	T	0	4	0	0	0	
42	4	U	1	1	4	50	T	S	0	1	T	0	4	0	0	0	
42	5	U	1	1	5	50	T	S	0	1	T	0	4	0	0	0	
42	6	U	1	1	6	50	T	S	0	1	T	0	4	0	0	0	
42	7	U	1	1	7	50	T	S	0	1	T	0	4	0	0	0	
42	8	U	1	1	8	50	T	S	0	1	T	0	4	0	0	0	
42	9	U	1	1	9	50	T	S	0	1	T	0	4	0	0	0	

7. Description of Hazardous Waste (Enter codes for Items 7.A, 7.C and 7.D(1))																	
Line No.	A. EPA Hazardous Waste No.				B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes										
							(1) Process Codes								(2) Process Description (if code is not entered in 7.D1)		
43	0	U	1	2	0	50	T	S	0	1	T	0	4	0	0	0	
43	1	U	1	2	1	50	T	S	0	1	T	0	4	0	0	0	
43	2	U	1	2	2	50	T	S	0	1	T	0	4	0	0	0	
43	3	U	1	2	3	50	T	S	0	1	T	0	4	0	0	0	
43	4	U	1	2	4	50	T	S	0	1	T	0	4	0	0	0	
43	5	U	1	2	5	50	T	S	0	1	T	0	4	0	0	0	
43	6	U	1	2	6	50	T	S	0	1	T	0	4	0	0	0	
43	7	U	1	2	7	50	T	S	0	1	T	0	4	0	0	0	
43	8	U	1	2	8	50	T	S	0	1	T	0	4	0	0	0	
43	9	U	1	2	9	50	T	S	0	1	T	0	4	0	0	0	
44	0	U	1	3	0	50	T	S	0	1	T	0	4	0	0	0	
44	1	U	1	3	1	50	T	S	0	1	T	0	4	0	0	0	
44	2	U	1	3	2	50	T	S	0	1	T	0	4	0	0	0	
44	3	U	1	3	3	50	T	S	0	1	T	0	4	0	0	0	
44	4	U	1	3	4	50	T	S	0	1	T	0	4	0	0	0	
44	5	U	1	3	5	50	T	S	0	1	T	0	4	0	0	0	
44	6	U	1	3	6	50	T	S	0	1	T	0	4	0	0	0	
44	7	U	1	3	7	50	T	S	0	1	T	0	4	0	0	0	
44	8	U	1	3	8	50	T	S	0	1	T	0	4	0	0	0	
44	9	U	1	4	0	50	T	S	0	1	T	0	4	0	0	0	
45	0	U	1	4	1	50	T	S	0	1	T	0	4	0	0	0	
45	1	U	1	4	2	50	T	S	0	1	T	0	4	0	0	0	
45	2	U	1	4	3	50	T	S	0	1	T	0	4	0	0	0	
45	3	U	1	4	4	50	T	S	0	1	T	0	4	0	0	0	
45	4	U	1	4	5	50	T	S	0	1	T	0	4	0	0	0	
45	5	U	1	4	6	50	T	S	0	1	T	0	4	0	0	0	
45	6	U	1	4	7	50	T	S	0	1	T	0	4	0	0	0	
45	7	U	1	4	8	50	T	S	0	1	T	0	4	0	0	0	
45	8	U	1	4	9	50	T	S	0	1	T	0	4	0	0	0	
45	9	U	1	5	0	50	T	S	0	1	T	0	4	0	0	0	
46	0	U	1	5	1	50	T	S	0	1	T	0	4	0	0	0	
46	1	U	1	5	2	50	T	S	0	1	T	0	4	0	0	0	
46	2	U	1	5	3	50	T	S	0	1	T	0	4	0	0	0	
46	3	U	1	5	4	50	T	S	0	1	T	0	4	0	0	0	
46	4	U	1	5	5	50	T	S	0	1	T	0	4	0	0	0	
46	5	U	1	5	6	50	T	S	0	1	T	0	4	0	0	0	
46	6	U	1	5	7	50	T	S	0	1	T	0	4	0	0	0	
46	7	U	1	5	8	50	T	S	0	1	T	0	4	0	0	0	
46	8	U	1	5	9	50	T	S	0	1	T	0	4	0	0	0	
46	9	U	1	6	0	50	T	S	0	1	T	0	4	0	0	0	
47	0	U	1	6	1	50	T	S	0	1	T	0	4	0	0	0	
47	1	U	1	6	2	50	T	S	0	1	T	0	4	0	0	0	
47	2	U	1	6	3	50	T	S	0	1	T	0	4	0	0	0	

7. Description of Hazardous Waste (Enter codes for Items 7.A, 7.C and 7.D(1))																	
Line No.	A. EPA Hazardous Waste No.				B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes										
							(1) Process Codes									(2) Process Description (if code is not entered in 7.D1)	
47	3	U	1	6	4	50	T	S	0	1	T	0	4	0	0	0	
47	4	U	1	6	5	50	T	S	0	1	T	0	4	0	0	0	
47	5	U	1	6	6	50	T	S	0	1	T	0	4	0	0	0	
47	6	U	1	6	7	50	T	S	0	1	T	0	4	0	0	0	
47	7	U	1	6	8	50	T	S	0	1	T	0	4	0	0	0	
47	8	U	1	6	9	50	T	S	0	1	T	0	4	0	0	0	
47	9	U	1	7	0	50	T	S	0	1	T	0	4	0	0	0	
48	0	U	1	7	1	50	T	S	0	1	T	0	4	0	0	0	
48	1	U	1	7	2	50	T	S	0	1	T	0	4	0	0	0	
48	2	U	1	7	3	50	T	S	0	1	T	0	4	0	0	0	
48	3	U	1	7	4	50	T	S	0	1	T	0	4	0	0	0	
48	4	U	1	7	6	50	T	S	0	1	T	0	4	0	0	0	
48	5	U	1	7	7	50	T	S	0	1	T	0	4	0	0	0	
48	6	U	1	7	8	50	T	S	0	1	T	0	4	0	0	0	
48	7	U	1	7	9	50	T	S	0	1	T	0	4	0	0	0	
48	8	U	1	8	0	50	T	S	0	1	T	0	4	0	0	0	
48	9	U	1	8	1	50	T	S	0	1	T	0	4	0	0	0	
49	0	U	1	8	2	50	T	S	0	1	T	0	4	0	0	0	
49	1	U	1	8	3	50	T	S	0	1	T	0	4	0	0	0	
49	2	U	1	8	4	50	T	S	0	1	T	0	4	0	0	0	
49	3	U	1	8	5	50	T	S	0	1	T	0	4	0	0	0	
49	4	U	1	8	6	50	T	S	0	1	T	0	4	0	0	0	
49	5	U	1	8	7	50	T	S	0	1	T	0	4	0	0	0	
49	6	U	1	8	8	50	T	S	0	1	T	0	4	0	0	0	
49	7	U	1	8	9	50	T	S	0	1	T	0	4	0	0	0	
49	8	U	1	9	0	50	T	S	0	1	T	0	4	0	0	0	
49	9	U	1	9	1	50	T	S	0	1	T	0	4	0	0	0	
50	0	U	1	9	2	50	T	S	0	1	T	0	4	0	0	0	
50	1	U	1	9	3	50	T	S	0	1	T	0	4	0	0	0	
50	2	U	1	9	4	50	T	S	0	1	T	0	4	0	0	0	
50	3	U	1	9	6	50	T	S	0	1	T	0	4	0	0	0	
50	4	U	1	9	7	50	T	S	0	1	T	0	4	0	0	0	
50	5	U	2	0	0	50	T	S	0	1	T	0	4	0	0	0	
50	6	U	2	0	1	50	T	S	0	1	T	0	4	0	0	0	
50	7	U	2	0	2	50	T	S	0	1	T	0	4	0	0	0	
50	8	U	2	0	3	50	T	S	0	1	T	0	4	0	0	0	
50	9	U	2	0	4	50	T	S	0	1	T	0	4	0	0	0	
51	0	U	2	0	5	50	T	S	0	1	T	0	4	0	0	0	
51	1	U	2	0	6	50	T	S	0	1	T	0	4	0	0	0	
51	2	U	2	0	7	50	T	S	0	1	T	0	4	0	0	0	
51	3	U	2	0	8	50	T	S	0	1	T	0	4	0	0	0	
51	4	U	2	0	9	50	T	S	0	1	T	0	4	0	0	0	
51	5	U	2	1	0	50	T	S	0	1	T	0	4	0	0	0	

7. Description of Hazardous Waste (Enter codes for Items 7.A, 7.C and 7.D(1))																	
Line No.	A. EPA Hazardous Waste No.					B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes									
								(1) Process Codes									
51	6	U	2	1	1	50	T	S	0	1	T	0	4	0	0	0	
51	7	U	2	1	3	50	T	S	0	1	T	0	4	0	0	0	
51	8	U	2	1	4	50	T	S	0	1	T	0	4	0	0	0	
51	9	U	2	1	5	50	T	S	0	1	T	0	4	0	0	0	
52	0	U	2	1	6	50	T	S	0	1	T	0	4	0	0	0	
52	1	U	2	1	7	50	T	S	0	1	T	0	4	0	0	0	
52	2	U	2	1	8	50	T	S	0	1	T	0	4	0	0	0	
52	3	U	2	1	9	50	T	S	0	1	T	0	4	0	0	0	
52	4	U	2	2	0	50	T	S	0	1	T	0	4	0	0	0	
52	5	U	2	2	1	50	T	S	0	1	T	0	4	0	0	0	
52	6	U	2	2	2	50	T	S	0	1	T	0	4	0	0	0	
52	7	U	2	2	3	50	T	S	0	1	T	0	4	0	0	0	
52	8	U	2	2	5	50	T	S	0	1	T	0	4	0	0	0	
52	9	U	2	2	6	50	T	S	0	1	T	0	4	0	0	0	
53	0	U	2	2	7	50	T	S	0	1	T	0	4	0	0	0	
53	1	U	2	2	8	50	T	S	0	1	T	0	4	0	0	0	
53	2	U	2	3	4	50	T	S	0	1	T	0	4	0	0	0	
53	3	U	2	3	5	50	T	S	0	1	T	0	4	0	0	0	
53	4	U	2	3	6	50	T	S	0	1	T	0	4	0	0	0	
53	5	U	2	3	7	50	T	S	0	1	T	0	4	0	0	0	
53	6	U	2	3	8	50	T	S	0	1	T	0	4	0	0	0	
53	7	U	2	3	9	50	T	S	0	1	T	0	4	0	0	0	
53	8	U	2	4	0	50	T	S	0	1	T	0	4	0	0	0	
53	9	U	2	4	3	50	T	S	0	1	T	0	4	0	0	0	
54	0	U	2	4	4	50	T	S	0	1	T	0	4	0	0	0	
54	1	U	2	4	6	50	T	S	0	1	T	0	4	0	0	0	
54	2	U	2	4	7	50	T	S	0	1	T	0	4	0	0	0	
54	3	U	2	4	8	50	T	S	0	1	T	0	4	0	0	0	
54	4	U	2	4	9	50	T	S	0	1	T	0	4	0	0	0	
54	5	U	2	7	1	50	T	S	0	1	T	0	4	0	0	0	
54	6	U	2	7	8	50	T	S	0	1	T	0	4	0	0	0	
54	7	U	2	7	9	50	T	S	0	1	T	0	4	0	0	0	
54	8	U	2	8	0	50	T	S	0	1	T	0	4	0	0	0	
54	9	U	3	2	8	50	T	S	0	1	T	0	4	0	0	0	
55	0	U	3	5	3	50	T	S	0	1	T	0	4	0	0	0	
55	1	U	3	5	9	50	T	S	0	1	T	0	4	0	0	0	
55	2	U	3	6	4	50	T	S	0	1	T	0	4	0	0	0	
55	3	U	3	6	7	50	T	S	0	1	T	0	4	0	0	0	
55	4	U	3	7	2	50	T	S	0	1	T	0	4	0	0	0	
55	5	U	3	7	3	50	T	S	0	1	T	0	4	0	0	0	
55	6	U	3	8	7	50	T	S	0	1	T	0	4	0	0	0	
55	7	U	3	8	9	50	T	S	0	1	T	0	4	0	0	0	

APPENDIX D: SITE PHOTOS

Photo #1: Facility Entrance (Outside - Southwest)



Photo #2 - East Building (Outside - East)



Photo #3 - East Loading Docks #1, #2, #3 and #4 (to RM 124) and Dock #5 (to RM 126) (Outside - East)



Photo #4 - East Loading Docks #1, #2, #3 and #4 Trench (Outside - East)



Photo #5 - Above Ground Storage Tanks #1 and #2 (Outside - East)



Photo #6 - Storage Tank Secondary Containment Sump (Outside - East)



Photo #7 - Outdoor Stormwater Drain Controls (Outside - East)



Photo #8 - Tanker Filling Area Pads #1 and #2 (Outside - East)



Photo #9 - Pond and East Wetland (Outside - East)



Photo #10 - Northside Building (Outside - North)



Photo #11 - Westside Building (Outside - West)



Photo #13 - Warehouse RM 124 - Loading Docks #2, #3 and #4 (Inside)



Photo #14 - Warehouse RM 124 - Staging (Inside)



Photo #15 - Warehouse RM 124 - Storage (Inside)



Photo #16 - Warehouse RM 125 - Storage Areas 1, 2 and 3 (Inside)



Photo #17 - Warehouse RM 125 - Storage Area 4 (Inside)



Photo #18 - Warehouse RM 126 - Storage and Treatment (Inside)

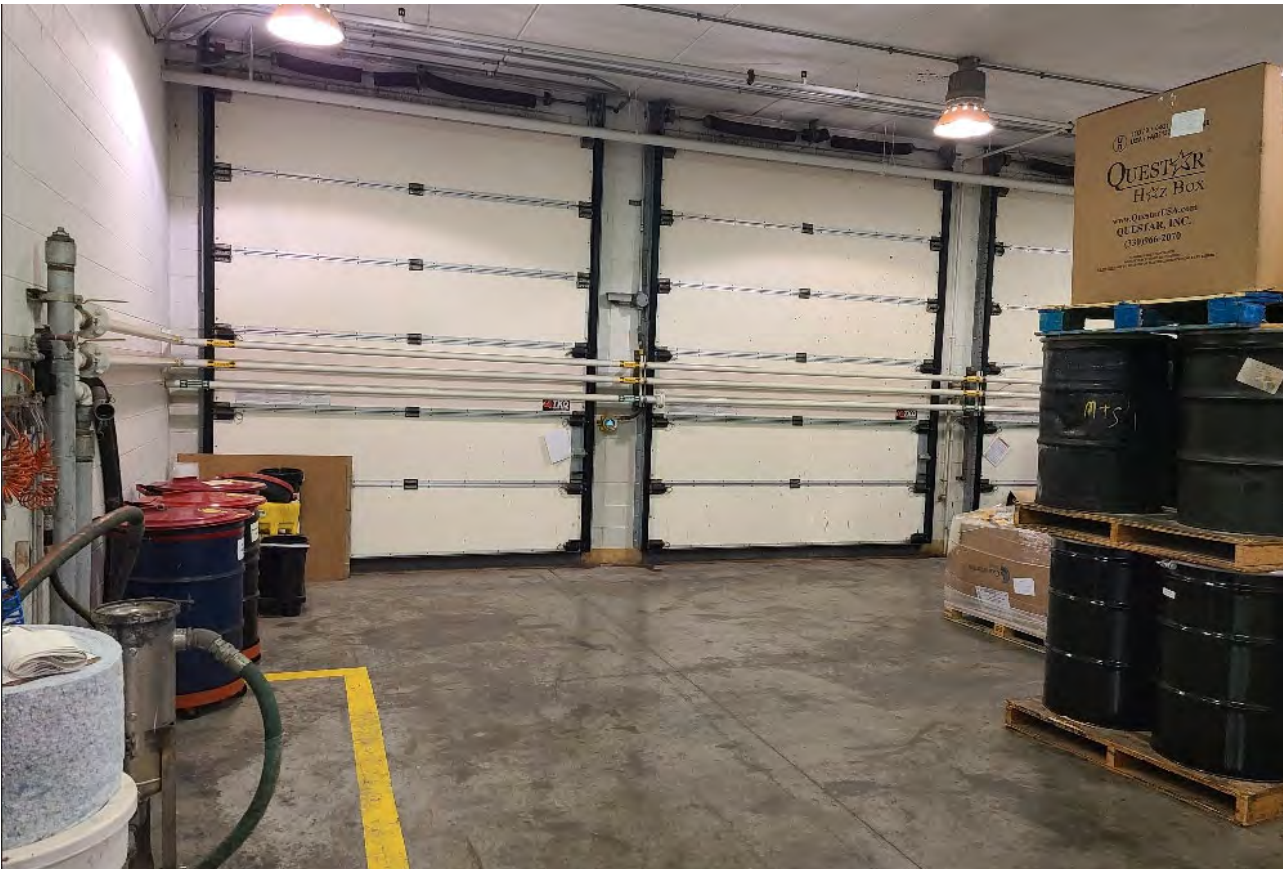


Photo #19 - Warehouse RM 126 - Storage and Treatment (Inside)



Photo #20 - Warehouse RM 126 - Storage and Treatment (Inside)

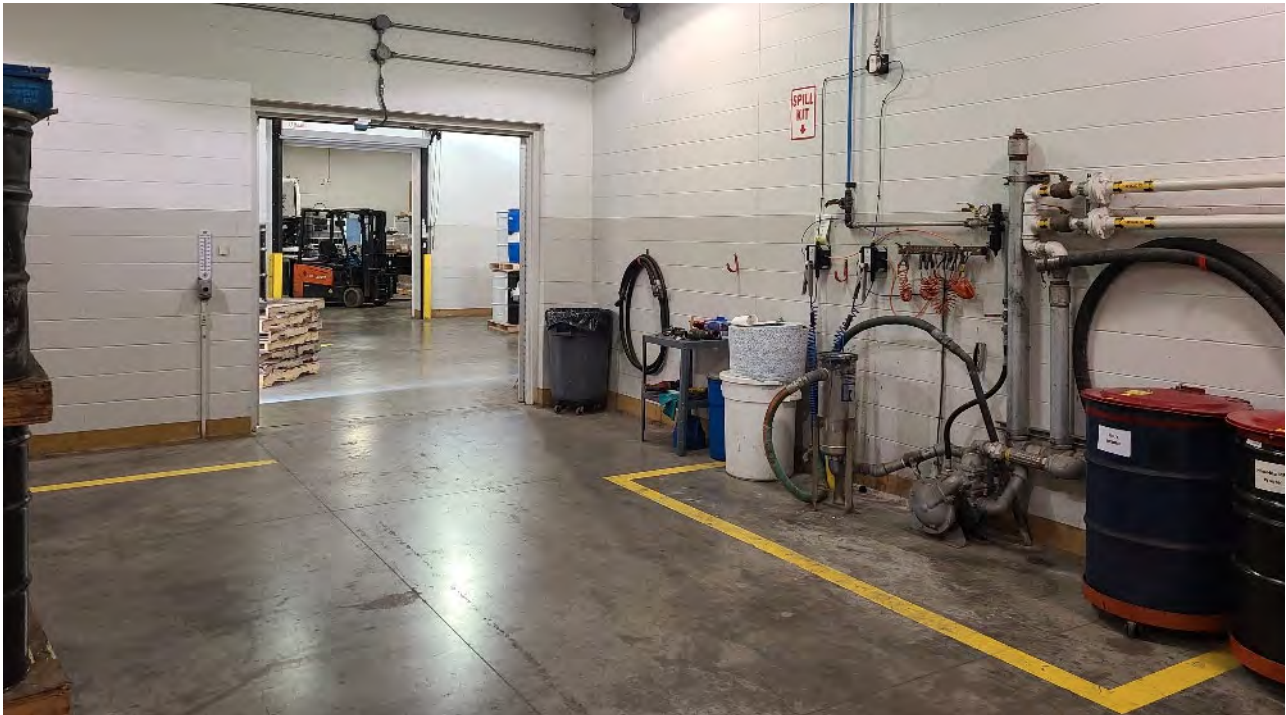


Photo #21 - Warehouse RM 127 - Solid Waste Storage and Processing (Inside)



Photo #22 - Warehouse RM 127 - Solid Waste Storage and Processing (Inside)



Photo #23 - Warehouse RM 127 - Above Ground Storage Tanks #7 thru #10 (Inside)



Photo #24 - Laboratory (Inside)



Photo #25 - Laboratory (Inside)



APPENDIX E: PRE-PLANNING MEETING DOCUMENTATION

Public Meeting Summary

A pre-application meeting was held on Monday, September 30, 2019 at 7:00pm at the Germantown Community Library located at N112 W16957 Mequon Road in Germantown. A public notice of the meeting was published in the Germantown Express News the week of August 16-23, 2019. Attending the meeting were Jeff Vilione, Dawn Zellmer, Ray Moody and Andy Kruis of Enviro-Safe. There were no other people in attendance at the meeting and therefore no comments were received. A copy of the presentation, sign-in sheet, affidavit of publication, confirmation of broadcast media spot and a copy of the facility sign are included in the following pages.



Enviro-Safe Consulting, LLC. / dba ENVIRO-SAFE RESOURCE RECOVERY

Welcome to the Germantown
Community

Informational Meeting Pertaining to
our WDNR License Application

September 30, 2019

Introductions



Enviro-Safe Resource Recovery

- Jeffrey D. Vilione: President and CEO
- Dawn Vilione: Exec. V.P. of Operations/Compliance
- Ray Moody: Business Development Manger

Meeting Purpose



- Services and Site Overview
- Discuss the Feasibility and Plan of Operations Report (FPOR) Submission for Issuance of RCRA License
- Provide Information on Current and Proposed Activities
- Opportunity to Inform the Community and Solicit Questions

Enviro-Safe's Service Overview



- US EPA / WDNR Environmental Programs: Air, Water, Waste Management, On-Site (Manufacturing) Compliance, Reporting, Training, Recycling, Alternative Use and Sustainability Programs
- OSHA Programs: General Industry Programs, On-Site (Manufacturing) Compliance and Training
- DOT Programs: Training

Enviro-Safe's Site Overview

- Company Established in April, 2002
 - Typical Start-up Company - 1Phone, 1 Computer and 1 Car
- Located in Brookfield for First 10-Years
- Built our Facility in 2012 in the Germantown Industrial Park
 - Storage Containers Consist of Above Ground Storage Tanks, Drums, Totes and Gaylord Boxes
 - Permitted to Transfer, Store and Process Waste
 - 2012 Solid Waste Transferring License
 - 2012 Solid Waste/Recyclables Transportation License
 - 2012 Hazardous Waste Transportation License (10-Day Limit)
 - 2015 Solid Waste Processing License
- Focused on Servicing the Midwest Industrial Markets



Purpose of Enviro-Safe's Industrial Recycling Facility



To Accommodate Recycling and Alternative Use Programs which include:

- Solvents
- Used Oil
- Oil Filters/Absorbents
- Antifreeze
- Non-Hazardous (Non-RCRA) Liquids and Solids
- Universal Waste Recycling
- E-Waste

Leaders In Sustainability Programs and Waste Management Solutions

Common Industrial Materials Recycled



- Latex Paints
- Waterbase Inks
- Waterbase Products
- Organic Solvents
- Antifreeze and Glycols
- Coolants
- Batteries
- Pesticides
- Mercury Thermostats
- Fluorescent Lamps
- Propylene Glycols
- Glues/Adhesives
- Pharmaceuticals
- Cosmetics
- Used Oils
- Oily Debris/Absorbents
- Oily Waters, Oil Filters
- Solvent Base Paints
- Off-Spec Products
- Consumer Commodities

Awards and Recognitions



Best of Local Businesses – Environmental/Ecological Services (2008, 2009, 2010, 2011)

Inc. 5000 Company (2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016)

MMAC Future 50 Company (2005, 2006, 2019)

Milwaukee Business Journal Fastest Growing Firms (2016)

WMC Business Friend of the Environment (2007)

Waukesha County Top 10 Businesses (2010, 2011)

Zweig's Hot Firm List (2011, 2012)

What is a FPOR?



- “Feasibility and Plan of Operation Report” means a report required by the WDNR under 289.30(3), Stats.
- FPOR includes a description of the facility and operations in terms of land use, topography, soils, geology, groundwater, surface water, design, construction, operation, maintenance, closure and long-term care.

FPOR License



Reason for License

- Accommodate Growth and Capacity
- Allows for Additional Non-RCRA Storage
- Allows for Additional RCRA Processing
- Allows for Additional Hazardous (RCRA) Waste Storage

Thank-You



We would like to thank the Village of Germantown, Washington County and WDNR for their continued support and for all of you for attending this informational meeting.

Please let me know if there are any questions.



Enviro-Safe Consulting, LLC. dBA Enviro-Safe Resource Recovery
Public Meeting for Licensing for Storage and Treatment of Hazardous Waste
Comments and Questions

Name: _____

Address: _____

Phone: _____

Email: _____

Comments/Questions: If you have any comments or questions about tonight's topic and/or any questions regarding Enviro-Safe, please complete this form. These forms shall be submitted to the WDNR as part of the application to license submittal.

STATE OF WISCONSIN)
)ss
COUNTY OF WASHINGTON)

Debra Merkel, being duly sworn, on oath, says that he/she is one of the printers of EXPRESS NEWS/HOMETOWN PUBLICATIONS, a weekly newspaper published in the City of GERMANTOWN, County of WASHINGTON, State of Wisconsin, and that a notice, of which the annexed printed slip is a true copy, has been published in the said EXPRESS NEWS/HOMETOWN PUBLICATIONS for the term of 1 week(s), once each week successively, commencing the 16th day of August, and ending the 23th day of August, 2019

Debra J Merkel
(signed)

Subscribed and sworn to before me
this the 26th day of August, 2019.

Pete J Salze
Notary Public, State of Wisconsin

My Commission Expires ~~_____~~ /is permanent.

(attach an original copy
of the paper clipping)

Express NEWS Classified Advertising

1000-1999 Notices

1005 Legal Notices

IN RE: THE MARRIAGE OF

Petitioner: Glenda Lorraine Truse
and Respondent Stephen Henry Truse
Case #19-FA-254

You are notified that the petitioner above has filled a petition for divorce or legal separation against you. You must respond with a written demand for a copy of the petition within 40 days from the day after the first day of publication.

The demand must be sent or delivered to the court at clerk of court Dodge County court house 210 West Center Street, Juneau WI 53039 and to Glenda L. Truse 344 Oakdale Drive P.O. Box 112 Brownsville WI 53006. It is recommended, but not required, that you have an attorney help or represent you. If you do not demand a copy of the petition within 40 days, the court may grant judgment against you for the award of money or other legal action requested in the petition, and you may lose your right to object to anything that is or may be incorrect in the petition. A judgment may be enforced as provided by law. A judgment awarding money may become a lien against any real estate you own now or in the future, and may also be enforced by garnishment or seizure of property. You are notified of the availability of information from the Circuit Court Commissioner as set forth in 767.105 WI Stats

RECLINE.

Public Notice

Feasibility and Plan of Operations Report Enviro-Safe Consulting, LLC. dba Enviro-Safe Resource Recovery (Enviro-Safe) is applying for a hazardous waste treatment, storage and disposal facility license for their facility located at W130 N10500 Washington Drive, Germantown, Wisconsin in the Village of Germantown, Washington County. The EPA ID number is WIR000142877. Enviro-Safe is preparing a license application to be submitted to the Wisconsin Department of Natural Resources. Pursuant to Wisconsin Administrative Code NR 670.431 Enviro-Safe will hold a pre-application public informational meeting on September 30, 2019 at 7:00pm at the Germantown Community Library, N112 W16957 Mequon Road, Germantown, WI in the Public Meeting Room. The public meeting is intended to inform the community of the licensing application and to solicit questions from the community. Enviro-Safe has been in business at the current location since 2012. The licensing efforts will not significantly change operations or the types of waste handled since Enviro-Safe currently operates a licensed solid waste processing facility and a hazardous and solid waste transportation license. Individuals with disabilities are encouraged to contact Enviro-Safe at least 72 hours before the meeting if they need special access to participate in the meeting. The contact person at Enviro-Safe is Jeffrey Vilone, President/

1007 Personals

FARMERS, LANDSCAPERS or GARDENERS, did you or a loved one use Roundup Weed Killer and were diagnosed with NON-HODGKINS LYMPHOMA (Cancer)? You may be entitled to compensation. Call Attorney Charles Johnson 1-800-535-5727

Need help finding my 1966 Chevrolet. Last seen in a Menomonee Falls barn in the mid 90's. VIN 136176F137454. Call Jamie at 414-350-7389

2000-2999 Services

2012 Home Improvement

CHIMNEY ROOFING & SIDING. Roof/roof repair, chimney rebuild and tuckpointing. Vinyl LP siding and aluminum fascia and soffit. Gutter cleaning. Free estimates 262-442-5913

2024 Tree Service

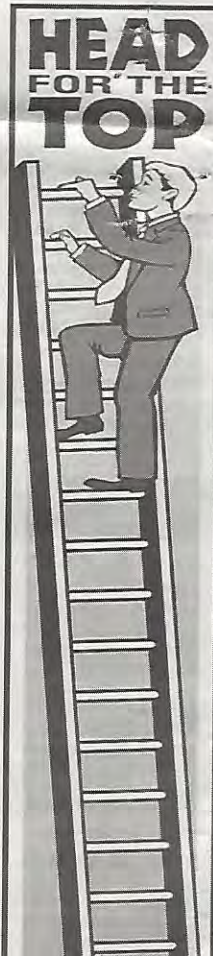
TREE & SHRUB SERVICE Trimming & removal. Over 25 Years working with you and for you. Call John 414-963-6134

4000-4999 Rummage

4013 Rummage Richfield

MULTI-FAMILY RUMMAGE - Fri Aug 23 - Sun Aug 25 8 am - 6 pm Elec Tools, Radial Arm Saw, Vintage Toys, Trains, Schwinn bike, Sewing machine & other Collectibles, Hunting/Fishing, Household Items, Recliner, Mens, Womens Jrs Plus Clothing (new and used)

Sept 1 Everything 80% Off - 10 AM - 4 PM Everyday of sale. Highlights of Sale are: Cub Cadet Riding Mower, Three Dining Rooms Sets, Living Room Set, Work Out Equipment, Packers Memorabilia, Department 56, Snowbabies, Precious moments, Brio Train Table, Metal Trucks & Cars, Tournament Sized Pool Table, Pressure Sprayer, Electric Rototiller, Garden Trailer, Wood Three Piece Patio Rocker Set, Ladders, Chipper, Air Compressor, Two Wheel Wheel Barrel, Organ, China Cabinets, Vacuums, Medical Items, Lionel Train Set, And so much more... Credit Cards taken over \$20.00 - All Sales are Final - No Early Sales - Bids taken on items over \$100.00
1458 Heather Circle Hubertus WI 53033



Public Notice
Feasibility and Plan of Operations Report

Enviro-Safe Consulting, LLC. dba Enviro-Safe Resource Recovery (Enviro-Safe) is applying for a hazardous waste treatment, storage and disposal facility license for their facility located at W130 N10500 Washington Drive, Germantown, Wisconsin in the Village of Germantown, Washington County. The EPA ID number is WIR000142877. Enviro-Safe is preparing a license application to be submitted to the Wisconsin Department of Natural Resources.

Pursuant to Wisconsin Administrative Code NR 670.431 Enviro-Safe will hold a pre-application public informational meeting on September 30, 2019 at 7:00pm at the Germantown Community Library, N112 W16957 Mequon Road, Germantown, WI in the Public Meeting Room.

The public meeting is intended to inform the community of the licensing application and to solicit questions from the community. Enviro-Safe has been in business at the current location since 2012. The licensing efforts will not significantly change operations or the types of waste handled since Enviro-Safe currently operates a licensed solid waste processing facility and a hazardous and solid waste transportation license.

Individuals with disabilities are encouraged to contact Enviro-Safe at least 72 hours before the meeting if they need special access to participate in the meeting.

The contact person at Enviro-Safe is Jeffrey Vilione, President/CEO, Enviro-Safe Consulting, LLC., W130 N10500 Washington Drive, Germantown, WI 53022, (262) 790-2500.

Additional information is available from the Department of Natural Resources contact person, Douglas Coenen, Waste Management Specialist, at (608) 264-9258.



Payment Success

[Make Another Payment](#) [Payment History](#)

A **Visa** payment (XXXXXXXXXXXX5275) in the amount of **400.00** on 8/21/2019 was made for the following items:

Payment Number: PN135471

Authorization Code: 00143G

Station	Invoice #	Advertiser Name	Amount
WKLH-FM	Pre-payment		400.00
Total Payment:			400.00

INSTALL PICKUP SHIP

REMOVE EXISTING GRAPHICS YES NO

WORK ORDER # 19184

QTY: 1
3mil Coroplast Sign
Single Sided

QTY: 2
Step Stakes

Public Notice
Feasibility and Plan of Operations Report

Enviro-Safe Consulting, LLC. dba Enviro-Safe Resource Recovery (Enviro-Safe) is applying for a hazardous waste treatment, storage and disposal facility license for their facility located at W130 N10500 Washington Drive, Germantown, Wisconsin in the Village of Germantown, Washington County. The EPA ID number is WIR000142877. Enviro-Safe is preparing a license application to be submitted to the Wisconsin Department of Natural Resources.

Pursuant to Wisconsin Administrative Code NR 670.431 Enviro-Safe will hold a pre-application public informational meeting on September 30, 2019 at 7:00pm at the Germantown Community Library, N112 W16957 Mequon Road, Germantown, WI in the Public Meeting Room.

The public meeting is intended to inform the community of the licensing application and to solicit questions from the community. Enviro-Safe has been in business at the current location since 2012. The licensing efforts will not significantly change operations or the types of waste handled since Enviro-Safe currently operates a licensed solid waste processing facility and a hazardous and solid waste transportation license.

Individuals with disabilities are encouraged to contact Enviro-Safe at least 72 hours before the meeting if they need special access to participate in the meeting.

The contact person at Enviro-Safe is Jeffrey Vilione, President/CEO, Enviro-Safe Consulting, LLC., W130 N10500 Washington Drive, Germantown, WI 53022, (262) 790-2500.

Additional information is available from the Department of Natural Resources contact person, Douglas Coenen, Waste Management Specialist, at (608) 264-9258.

ARTWORK CHARGE – With your drawing/estimate, you are allowed one artwork revision. There will be an artwork charge for any additional drawings **DESIGN LAYOUTS ARE COPYRIGHT © 2019.**

ARTWORK APPROVAL

-PLEASE PROOFREAD CAREFULLY-

I have checked the DETAILS. Signs & Lines by Stretch is not responsible for typographical errors.

- Spelling
- Copy Content
- Placement

X _____

APPROVE - SIGNATURE

UNIT # N/A
 USDOT # N/A
 DRAWN BY: Bobby Boelter
 DATE: 8/14/19
 FILE NAME: Public Notice Sign.PLT

DATE

MATERIALS USED

Direct Print on

10mil Coroplast

APPENDIX F: PRE-APPLICATION DOCUMENTATION FOR LOCAL APPROVAL

Local and State Approval Summary

Enviro-Safe provided written request, including the standard notice, to each affected municipality, including a request for any additional local approvals that may be required. It was determined that the Enviro-Safe Resource Recovery facility is not within 1,500 feet of any other town, city, village or county boundaries (County Line Road – East and West and Highway 45 – North and South).

Local Municipalities Applicable to ESRR

Village	Germantown Village Clerk Ms. Barbara Goeckner N112 W17001 Mequon Road Germantown, WI 53022	Submitted 6/20/2019 Certified Mail w/Return Receipt 7015 1730 0001 8281 7740
County	Washington County Clerk Ms. Brenda Jazewski* 432 East Washington Street, Suite 2027 West Bend, WI 53095	Submitted 6/20/2019 Certified Mail w/Return Receipt 7013 1090 0001 6922 0922

*I received a call today (7/31/2019) from Ashley Reichert from the Washington County Clerk Office and was informed that she has taken the position previously held by Brenda Jazewski and all correspondences in the future should be routed to her. Her additional contact information is (262) 355-4305 or ashley.reichert@co.washington.wi.us.

Wisconsin Waste Facility Siting Board

State	State of Wisconsin Waste Facility Siting Board 5005 University Avenue, Suite 201 Madison, WI 53705-5400	Submitted 7/22/2019 Certified Mail w/Return Receipt 7013 1090 0001 6922 0953
-------	--	--

RECEIVED

SEP 20 2019



**State of Wisconsin
Waste Facility Siting Board**

4822 Madison Yards Way, 5th Floor, Madison, WI 53705

Phone: (608) 266-7709

Fax: (608) 264-9885

e-mail: dhamail@wisconsin.gov

Dale Shaver
Chairman

Brian Hayes
Executive Director

September 18, 2019

Washington County Clerk
Ms. Brenda Jazewski
432 East Washington Street,
Suite 2027
West Bend, WI 53095

Germantown Village Clerk
Ms. Barbara Goeckner
N112 W17001 Mequon Road
Germantown, WI 53022

Re: Enviro-Safe Consulting, LLC (dba Enviro-Safe Resource Recovery) Germantown, Wisconsin
WFSB # 231

Dear Clerks:

On June 20, 2019, the Waste Facility Siting Board received copies of written requests for local approvals, along with copies of the certified return receipts, sent by Enviro-Safe Consulting, LLC, (dba Enviro-Safe Resource Recovery), Germantown, Wisconsin to the municipalities listed above regarding the expansion of its current solid waste landfill facility located within the municipalities. The requests were received by the Washington County Clerk and the Germantown Village Clerk on June 20, 2019.

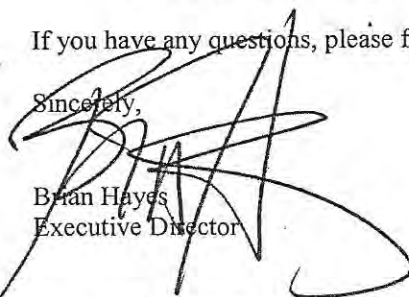
The law allows an affected municipality to participate in the negotiation-arbitration process if the governing body adopts a siting resolution and appoints members to the local committee within **sixty days of receiving the written request from the applicant**. Wis. Stats. § 289.33(6)(a).

In this case, neither affected municipality adopted and filed a siting resolution with the WFSB. Thus, all of the municipalities have waived their right to negotiate or arbitrate with Enviro-Safe Consulting, LLC, concerning the expansion of their facility.

As a result, pursuant to law, the Waste Facility Siting Board considers this case closed.

If you have any questions, please feel free to contact me.

Sincerely,


Brian Hayes
Executive Director

Cc: Dawn Zellmer, V.P. of Operations/Compliance, Enviro-Safe Consulting, LLC.



**Leaders in Resource Recovery Services
and Waste Management Sustainability Programs**

www.enviro-safe.com

July 22, 2019

State of Wisconsin
Waste Facility Sitting Board
5005 University Avenue, Suite 201
Madison, WI 53705-5400

Certified Mail w/Return Receipt
7013 1090 0001 6922 0953

Subject: Enviro-Safe Consulting, LLC. (dba Enviro-Safe Resource Recovery)
Germantown, Wisconsin
EPA ID No. WIR000142877

Dear Sir or Madam,

Enviro-Safe Resource Recovery (Enviro-Safe) operates a licensed solid waste processing facility located in Germantown, Wisconsin and plans to apply for a treatment, storage and disposal license from the Wisconsin Department of Natural Resources (WDNR) to allow for the management of hazardous waste generated by businesses and institutions in Wisconsin, as well as, from other states. Enviro-Safe Transportation, LLC., also operates a hazardous and solid waste transportation license. Enviro-Safe plans to submit the license application and a feasibility plan of operation report to the WDNR 135-days after receipt by the municipality of the written request or 120-days after receipt of the response from the municipality indicating that there are no local approval requirements, whichever occurs first.

One requirement is to notify local municipalities to determine if there any applicable local approval requirements that shall apply to the facility. Enclosed please find a copy of each letter submitted to local municipalities, their confirmation of receipt via returned certified mail and their response if received. Please note that no response was provided to Enviro-Safe Resource from Washington County.

If you have any questions regarding this submittal, please contact me at (262) 790-2500.

Sincerely,
Enviro-Safe Resource Recovery

A handwritten signature in black ink that reads "Dawn Zellmer".

Dawn Zellmer
V.P. of Operations and Compliance

c: WDNR - Douglas Coenen
File

7013 1090 0001 6922 0953

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)


For delivery information visit our website at www.usps.com

MADISON, WI 53705

Postage	\$3.50	0022 12
Certified Fee	\$2.80	
Return Receipt Fee (Endorsement Required)	\$0.00	
Restricted Delivery Fee (Endorsement Required)	\$0.00	
	\$1.60	
Total Postage & Fees	\$7.90	



Sent to
State of Wisconsin
 Street, Apt. No.,
 or PO Box No. **5005 University Avenue**
 City, State, ZIP+4
Madison WI 53705

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY															
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p><i>[Handwritten Signature]</i></p>															
<p>1. Article Addressed to:</p> <p>State of Wisconsin Waste Facility Siting Board 5005 University Avenue Suite 201 Madison WI 53705-5400</p>  <p>9590 9402 4765 8344 6094 97</p>	<p>B. Received by (Printed Name)</p> <p><i>Larry W Hill</i></p>	<p>C. Date of Delivery</p> <p><i>8/5/19</i></p>														
<p>2. Article Number (Transfer from service label)</p> <p>7013 1090 0001 6922 0953</p>	<p>D. Is delivery address different from item 1? <input checked="" type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p><i>4822 Madison Yards Way Madison, WI 53705</i></p> <p>3. Service Type</p> <table border="0"> <tr> <td><input type="checkbox"/> Adult Signature</td> <td><input type="checkbox"/> Priority Mail Express®</td> </tr> <tr> <td><input type="checkbox"/> Adult Signature Restricted Delivery</td> <td><input type="checkbox"/> Registered Mail™</td> </tr> <tr> <td><input checked="" type="checkbox"/> Certified Mail®</td> <td><input type="checkbox"/> Registered Mail Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail Restricted Delivery</td> <td><input checked="" type="checkbox"/> Return Receipt for Merchandise</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Mail Restricted Delivery (00)</td> <td></td> </tr> </table>		<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input checked="" type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> Mail Restricted Delivery (00)	
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®															
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™															
<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery															
<input type="checkbox"/> Certified Mail Restricted Delivery	<input checked="" type="checkbox"/> Return Receipt for Merchandise															
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™															
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery															
<input type="checkbox"/> Mail Restricted Delivery (00)																
<p>PS Form 3811, July 2015 PSN 7530-02-000-9053</p>		<p>Domestic Return Receipt</p>														



State of Wisconsin
Waste Facility Siting Board
4822 Madison Yards Way, 5th Floor,
Madison, WI 53707-7875
Phone: (608) 266-7709
Fax: (608) 264-9885
e-mail: dhamail@wisconsin.gov

Dale Shaver
Chairman

Brian Hayes
Executive Director

June 27, 2019

CERTIFIED MAIL

Washington County Clerk
Ms. Brenda Jazewski
432 East Washington Street, Suite 2027
West Bend, WI 53095

Germantown Village Clerk
Ms. Barbara Goeckner
N112 W17001 Mequon Road
Germantown, WI 53022

Re: Enviro-Safe Consulting, LLC (dba Enviro-Safe Resource Recovery)
Germantown, Wisconsin
WFSB # 231

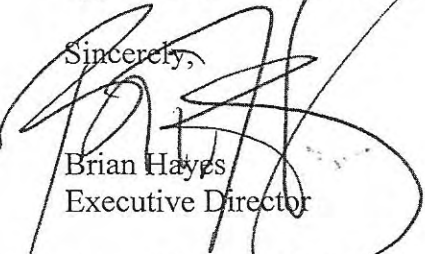
Dear Clerks:

On June 24, 2019 the Waste Facility Siting Board received a copy of a written request for a local approval, along with copies of certified return receipts, sent by Enviro-Safe Resource Recovery to Washington County Clerk and Germantown Village Clerk, regarding the expansion of its current solid waste landfill facility located within the municipalities. The requests were received by the Washington County Clerk on June 20, 2019 and Germantown Village Clerk on June 20, 2019.

If a municipality wishes to participate in the negotiation-arbitration process, it must adopt a siting resolution and appoint members to the local committee within **sixty days of receiving the written request from the applicant**. Wis. Stats. § 289.33(6)(a). A copy of the siting resolution and the names of the members who are appointed to the committee must be sent to the Waste Facility Siting Board within **seven days of the adoption of the siting resolution**. Each member

appointed to a local committee must file a statement of economic interest with the board within **fifteen days of appointment**. A Statement of Economic Interest form can be found on our website at <http://dha.state.wi.us>.

Sincerely,



Brian Hayes
Executive Director

cc: Dawn Zellmer



**Leaders in Resource Recovery Services
and Waste Management Sustainability Programs**
www.enviro-safe.com

June 20, 2019

Germantown Village Clerk
Ms. Barbara Goeckner
N112 W17001 Mequon Road
Germantown, WI 53022

Certified Mail w/Return Receipt
7015 1730 0001 8281 7740

Subject: Enviro-Safe Consulting, LLC. (dba Enviro-Safe Resource Recovery)
Germantown, Wisconsin
EPA ID No. WIR000142877

Dear Ms. Goeckner,

Enviro-Safe Resource Recovery (Enviro-Safe) operates a licensed solid waste processing facility located in Germantown, Wisconsin and plans to apply for a treatment, storage and disposal license from the Wisconsin Department of Natural Resources (WDNR) to allow for the management of hazardous waste generated by businesses and institutions in Wisconsin, as well as, from other states. Enviro-Safe Transportation, LLC., also operates a hazardous and solid waste transportation license. Enviro-Safe plans to submit the license application and a feasibility plan of operation report to the WDNR 135-days after receipt by the municipality of the written request or 120-days after receipt of the response from the municipality indicating that there are no local approval requirements, whichever occurs first.

The purpose of this letter is to comply with provisions of Wisconsin Statute 289.22, addressing the approval process for an operating license, as well as, to inquire if any applicable local approval requirements that shall apply to the facility. Please note that the statute requires that each affected municipality respond within fifteen (15) days upon receipt of this letter. As part of the regulatory obligation under Section 289.22(2), enclosed is a copy of the printed notice prepared by the Wisconsin Waste Facility Sitting Board.

If you have any questions regarding this information, please contact me at any time. Additionally, Douglas Coenen (WDNR Hazardous Waste Specialist) can be contacted at (608) 264-9258 or Douglas.Coenen@wisconsin.gov.

If you have any questions regarding this submittal, please contact me at (262) 790-2500.

Sincerely,
Enviro-Safe Resource Recovery

A handwritten signature in blue ink that reads "DZellmer".

Dawn Zellmer
V.P. of Operations and Compliance

c: WDNR - Douglas Coenen
File



State of Wisconsin
Waste Facility Siting Board
4822 Madison Yards Way, 5th Floor North
Madison WI 53705-5400
Phone: (608) 266-7709
Fax: (608) 264-9885
e-mail: dhamail@wisconsin.gov

Dale Shaver
Chairman

Brian Hayes
Executive Director

STANDARD NOTICE

TIME LIMITS AND REQUIREMENTS FOR MUNICIPALITIES TO PARTICIPATE IN THE NEGOTIATION AND ARBITRATION PROCESS FOR THE SITING OF A SOLID OR HAZARDOUS WASTE FACILITY UNDER SEC. 289.33, WISCONSIN STATUTES.

PLEASE READ ALL PAGES CAREFULLY.

This notice informs a municipality of the actions and deadlines required to qualify for participation in negotiations and arbitration concerning the proposed siting of all new or expanded solid or hazardous waste facilities in the state of Wisconsin.

This standard notice shall be submitted with any written requests for local approvals by the applicant to the clerk of each affected municipality and to the main public library in each affected municipality. s. 289.22(1m)(2) and s. 289.32, Wis. Stats.

Who is the Waste Facility Siting Board?

The Waste Facility Siting Board is an impartial body composed of six members. These members include the secretaries, or their formally appointed designees, of the Departments of Agriculture, Trade and Consumer Protection, Transportation, Safety and Professional Services and two town elected officials and one county elected official appointed by the governor for three year terms.

What does the Waste Facility Siting Board do?

The Waste Facility Siting Board administers the negotiation and arbitration process for the siting of every solid and hazardous waste facility in the state of Wisconsin.

The board's authority is created by law in Chapter 289, Subchapter III, Wis. Stats. The intent of the law is to create and maintain a comprehensive and effective policy of negotiation and

arbitration between an applicant for a waste facility license and a local committee representing the affected municipalities.

Who is an Applicant?

An “applicant” is any person applying for a license or the owner or operator of a facility.

What is an Affected Municipality?

An affected municipality is any town, village, city, or county:

- (a) where any or all of the proposed waste site will be located, or
- (b) whose boundary is within 1500 feet of the facility designated in the feasibility report for the disposal of solid waste or the treatment, storage or disposal of hazardous waste.

An applicant that is a municipality or is under contract with a municipality for development of the site, is not considered an affected municipality for purposes of negotiation.

What is an Additional Municipality?

An additional municipality is any town, city, village, or county which does not qualify as an affected municipality but is included in the negotiation and arbitration process by written agreement of the applicant and the participating affected municipalities.

How does the negotiation-arbitration process begin?

The process is initiated by the applicant. Before submitting a feasibility report to the Department of Natural Resources (DNR), the applicant must submit by certified mail to the clerk of each affected municipality a written request for specification of all applicable local approvals. The municipality has 15 days to respond.

What is a “local approval”?

The term “local approval” is defined in s. 289.33(3)(d), Stats. It essentially means any requirement, restriction, condition, or prohibition imposed by a municipality on a waste facility site by ordinance, resolution, or regulation.

The law gives special weight to “pre-existing local approvals.” Pre-existing local approvals are those that have been in effect at least 15 months before the applicant submits to DNR an initial site report or a feasibility report, whichever happens first. A new or expanded waste facility is subject to pre-existing local approvals unless specified as inapplicable in a negotiated agreement or an arbitration award. A new or expanded waste facility is not subject to other local approvals unless specified as applicable in a negotiated agreement.

If an Affected Municipality wants to negotiate with the applicant concerning the site what is required?

There are three requirements.

First, an affected municipality must pass a siting resolution within 60 days of receipt of the applicant's initial written request for local approvals. If this deadline is missed, a municipality may not participate in negotiations. A copy of the siting resolution must be sent to the board within 7 days of passage.

Each affected municipality that wishes to negotiate with the applicant about the proposed facility must pass a siting resolution which shall state the following:

- (1) the name and location of the municipality,
- (2) the name and location of the applicant,
- (3) the specific location of the proposed facility, and
- (4) the municipality's intent to negotiate and, if necessary, arbitrate with the applicant concerning the proposed facility.

Second, an affected municipality must appoint members to the local committee within 60 days of receipt of the applicant's request for local approvals. Names and addresses of local committee members must be sent to the Waste Facility Siting Board within 7 days of appointment.

Each affected municipality that wishes to negotiate with the applicant must appoint members to the local negotiating committee. Each town, village, or city where all or part of the proposed waste facility is to be located may appoint 4 members, or 2 more than the total number of all other members, whichever number is greater; no more than 2, however, may be elected officials or municipal employees. Each county where all or any part of the proposed waste facility will be located may appoint 2 members. Every other town, village, city, or county within 1500 feet of the proposed waste facility may appoint 1 member. Appointment of members may be included in the siting resolution or in a separate resolution.

Third, each member appointed to the local committee must file with the Waste Facility Siting Board a Statement of Economic Interests within 15 days of appointment. A member who fails to file a Statement of Economic Interests may not serve on the local committee.

These forms are available at no cost from the Waste Facility Siting Board.

What is required if an Additional Municipality wants to negotiate with the applicant concerning the site?

There are four requirements.

First, an additional municipality must receive written agreement of all parties to be added to the process.

Second, an additional municipality must pass a siting resolution within 30 days of the agreement between the parties to allow participation by the additional municipality. A copy of the siting resolution must be sent to the board within 7 days of passage.

The siting resolution must state the following:

- (1) the name and location of the municipality,

- (2) the name and location of the applicant,
- (3) the specific location of the proposed facility, and
- (4) the municipality's intent to negotiate and, if necessary, arbitrate with the applicant concerning the proposed facility.

Third, an additional municipality must appoint one member to the local committee within 60 days. The name and address of the local committee member must be sent to the Waste Facility Siting Board within 7 days of appointment.

Fourth, the appointed member to the local committee must file with the Waste Facility Siting Board a Statement of Economic Interests within 15 days of appointment. A member who fails to file a Statement of Economic Interests may not serve on the local committee.

These forms are available at no cost from the Waste Facility Siting Board.

When may negotiations begin?

Negotiations may begin at any time after notification by the Waste Facility Siting Board. The board will send a notification of participation to the applicant and the clerk of each participating municipality within 5 days after the board receives copies of the resolutions and names and addresses of members appointed to the local committee, or within 72 days after all affected municipalities have received written request for local approvals. This notice will identify the participating municipalities, identify the names of the members of the local committee, and inform the parties that negotiations may begin.

If, for error or change in plans, the applicant must add any other affected municipality following the board's notification of participation, that affected municipality shall have the same rights and obligations as outlined above. The board may issue an order delaying negotiations until that affected municipality has time to act. This procedure is outlined in s. 289.33(6)(c), Stats.

Either the applicant or the local committee may initiate negotiations. The time and place of negotiating sessions are determined by agreement between the applicant and the local committee. Negotiating sessions must be open to the public.

What issues can be negotiated?

Any subject may be negotiated except the need for the facility and any proposal that would make the applicant's responsibilities less stringent than required by the Department of Natural Resources. Either party may petition the board in writing for a determination as to whether a proposal is negotiable. The board will conduct a hearing and issue a binding decision in 14 days.

If a negotiated settlement is reached, what is required?

There are two requirements.

First, the agreement must be approved by all appropriate bodies.

An appropriate body is the governing body of each town, city, or village where all or a portion of the waste facility is to be located. If the agreement is approved by all of the appropriate bodies, the agreement is binding on all participating municipalities.

Second, if the agreement is approved, the applicant shall send a copy or notice of any negotiated agreement to the Waste Facility Siting Board and to the Department of Natural Resources within 10 days after the agreement is approved by all appropriate bodies. If the agreement is not approved by all of the appropriate bodies, the agreement is void. The parties may resume negotiations, begin mediation, or initiate arbitration.

Who initiates mediation?

Either party may request a mediator at any time during the negotiation.

Who is the mediator?

The board maintains a list of competent, impartial, disinterested persons consisting of lawyers, retired judges, and professional mediators who serve as mediators.

Who chooses the mediator?

Upon receipt of a request for a mediator, the board will immediately send the parties a list of 5 mediators. The parties shall alternately strike names until one name is left who will be appointed by the board.

What is the role of the mediator?

The role of the mediator is to encourage a voluntary settlement. The mediator may not impose a settlement on either party.

Who pays for the mediator?

Unless specified in the negotiated agreement or the arbitration award, the costs of the mediator will be shared equally by the applicant and the local committee.

What happens if the mediator fails to bring settlement?

The parties may resume negotiations or initiate arbitration.

Who initiates arbitration?

The applicant or the local committee may petition the board jointly or separately to initiate arbitration.

Arbitration may not be initiated until at least 120 days after the appointment of the local committee.

A statement in response to a unilateral arbitration petition must be filed within 14 days.

What issues can be arbitrated?

Only eight issues can be arbitrated. These issues are:

1. Compensation to any person for substantial economic impacts which are a direct result of the facility including insurance and damages not covered by the waste management fund.
- 1m. Reimbursement of reasonable costs, but not to exceed \$20,0000, incurred by the local committee relating to negotiations, mediation and arbitration activities under this section.
2. Screening and fencing related to the appearance of the facility. This item may not affect the design capacity of the facility.
3. Operational concerns including, but not limited to, noise, dust, debris, odors and hours of operation but excluding design capacity.
4. Traffic flows and patterns resulting from the facility.
5. Uses of the site where the facility is located after closing the facility.
6. Economically feasible methods to recycle or reduce the quantities of waste to the facility. At facilities for which the applicant will not provide or contract for collection and transportation services, this item is limited to methods provided at the facility.
7. The applicability or non-applicability of any pre-existing local approvals.

If requested by either party, the board will rule on the arbitrability of a specific issue.

Once initiated, how does the arbitration process work?

Within 15 days of receipt of a petition to initiate arbitration, the board will issue a decision either to have the parties continue negotiation for at least 30 days, delay arbitration until a feasibility report is submitted, or order the parties to submit their final offers within 90 days. If, when ordered by the board, the applicant fails to submit a final offer within 90 days, the applicant may not construct or operate the facility. If the local committee fails to submit a final offer in 90 days the local committee loses all rights to further negotiation and the facility is not subject to any local approval.

Within 30 days after the last day for submitting final offers, the board shall conduct a public meeting for the parties to explain their final offers.

Within 90 days after the last day for submitting final offers, the board will issue an arbitration award. If the board fails to issue an award because it lacks the necessary five votes, the governor will issue an arbitration award within 120 days after the last day for submitting final offers.

The board's arbitration award is binding on the applicant and the participating municipalities.

The information presented here serves as a guide to help affected and additional municipalities comply with the negotiation-arbitration laws concerning siting of solid and hazardous waste facilities under s. 289.33, Stats. For specific legal advice, or changes in the statute or administrative rules, an applicant or affected municipality should consult its attorney or contact the Waste Facility Siting Board, 4822 Madison Yards Way, 5th Floor North, Madison, Wisconsin 53705-5400, (608) 266-7709, FAX: (608) 264-9885.

Revised: 01/25/2018

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

GERMANTOWN, WI 53022

Certified Mail Fee \$3.50
Extra Services & Fees (check box, add fee \$2.50/State)
 Return Receipt (hardcopy) \$0.00
 Return Receipt (electronic) \$0.00
 Certified Mail Restricted Delivery \$0.00
 Adult Signature Required \$0.00
 Adult Signature Restricted Delivery \$0.00

Postage \$1.15

Total Postage and Fees \$7.45



Send To
Germantown Village Clerk
Street and Apt. No., or PO Box No.
1112 WI 7001 Mequon Road
City, State, ZIP+4®
Germantown, WI 53022

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

7015 1730 0001 8281 7740

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Germantown Village Clerk
 N112W17001 Mequon Road
 Germantown, WI 53022



2. Article Number
 (Transfer from service label)

7015 1730 0001 8281 7740

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 x Colleen Wirth Agent Addressee

B. Received by (Printed Name) C. Date of Delivery
 Colleen Wirth 6-21-19

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

RECEIVED

JUN 24 2019

3. Service Type
 Certified Mail® Priority Mail Express™
 Registered Return Receipt for Merchandise
 Insured Mail Collect on Delivery

4. Restricted Delivery? (Extra Fee) Yes

Dawn Zellmer

From: Jeff Retzlaff <jretzlaff@village.germantown.wi.us>
Sent: Tuesday, July 2, 2019 11:50 AM
To: Dawn Zellmer; douglas.coenen@wisconsin.gov
Cc: 'Brian Sajdak'; Deanna Braunschweig
Subject: RE: Response to June 20 2019 Letter; DNR Treatment, Storage & Disposal License Application
Attachments: CUP 6-15 JDV Real Estate Holdings Enviro Safe.pdf

Doug/Dawn:

Based on our discussion today concerning the Enviro-Safe facility already approved under Conditional Use Permit #06-15 (which amended the original CUP #03-11), I have concluded that the Village will NOT need to revise CUP #06-15 (or issue any other local approvals) because the uses and activities that will be authorized under the additional DNR license being applied for are already covered/listed as permitted uses and activities in CUP #06-15 (copy attached).

Please feel free to contact me if you have questions or concerns.

Thanks.

Jeff

*Jeffrey W. Retzlaff, AICP
Community Development Director
Zoning Administrator
Village of Germantown
N112 W17001 Mequon Road
Germantown, WI 53022
262-250-4735
jretzlaff@village.germantown.wi.us*

From: Jeff Retzlaff
Sent: Thursday, June 27, 2019 12:29 PM
To: Dawn Zellmer <DZellmer@enviro-safe.com>; 'douglas.coenen@wisconsin.gov' <douglas.coenen@wisconsin.gov>
Cc: 'Brian Sajdak' <brian@wrslegal.net>; Deanna Braunschweig <dbraunschweig@village.germantown.wi.us>
Subject: Response to June 20 2019 Letter; DNR Treatment, Storage & Disposal License Application

Dawn:

Please consider this email as the Village of Germantown's response to your June 20, 2019 letter regarding the above cited.

As you are aware, the Village issued a conditional use permit (CUP #03-11 as amended in 2015) to Enviro-Safe for the purpose of operating a facility located at W130 N10500 Washington Drive, Germantown, WI that involves the transportation, collection, bulk repackaging and overall recycling of flammable, combustible, hazardous and non-hazardous liquids, solvents and solid wastes for re-use. CUP #03-11 was amended in 2015 as part of Enviro-Safe's intent to replace the previous transfer station operation license with a solid waste processing operation license. Additional conditions were added to address the change in facility operations.

Because it is unclear to me if the license application referred to in your June 20 letter is different than the license application discussed with the Village and subject of the CUP amendment approved in 2015, I would have to say that the existing CUP #03-11 as amended will have to be reviewed further in light of this current license application and amended as necessary. Consequently, the Village's response required under Wis. Stats. 289.22 is "yes, there is a local approval requirement" that applies to the Enviro-Safe facility subject of the current license application. The process for reviewing

and amending Enviro-Safe's current CUP is the same as what was followed in 2015. Please contact me for further details regarding the process, application forms, meeting dates and deadlines, etc.

With that said, knowing how much time it can take to get various approvals and permits related to hazardous and other solid waste operations, it's possible that the license you were seeking back in 2015 is the same license you are seeking now, or, is such that no further amendment(s) to the Enviro-Safe CUP is required (or was already made back in 2015). If you feel this is the case, please let us know so we can discuss further.

Thanks.

Jeffrey W. Retzlaff, AICP
Community Development Director
Zoning Administrator
Village of Germantown
N112 W17001 Mequon Road
Germantown, WI 53022
262-250-4735
jretzlaff@village.germantown.wi.us

Village of



Germantown

July 23, 2015

JDV Real Estate Holdings LLC
Enviro-Safe Consulting LLC
W130 N10500 Washington Dr.
Germantown, WI 53022

CONDITIONAL USE PERMIT

The Village Board of the Village of Germantown at its meeting on July 6, 2015 granted your request for a Conditional Use Permit to allow the development and operation of facility used for the bulk storage and processing of flammable hazardous and non-flammable non-hazardous liquid and solid waste materials pursuant to Section 17.33(3)(a) and (b) of the Village's Zoning Code.

Enclosed is the original copy of the conditional use permit as approved by the Village Board. Please have the copy executed by **all** the appropriate officials (noting that each signature must be notarized) and return it to this office **within 30 days**. Upon receipt of the conditional use permit, I will have the document executed by the appropriate Village officials and recorded with the Register of Deeds in Washington County. I will then forward a recorded copy to you for your files. *The Conditional Use Permit **is not valid** until it has been signed and recorded. Please use **BLACK INK** when completing and signing the document.*

Please note that Section 17.42 (6) of the Municipal Code states that a conditional use permit shall lapse and be void unless the use granted is operational, or substantial construction required to implement such use has been commenced, within one year of the issuance of such permit unless a different time period is established by the Village Board.

If you have any other questions please feel free to call Planner Retzlaff at (262) 250-4735 or this office at (262) 250-4740.

Sincerely,

Timmerly Tamborino
Deputy Clerk

Enclosures

CUP #06-15
Document No.

CONDITIONAL USE PERMIT
Document Title

1387997



VILLAGE OF GERMANTOWN, WASHINGTON COUNTY, WISCONSIN
CONDITIONAL USE ZONING PERMIT

RECORDED
August 10, 2015 10:40 AM
SHARON A MARTIN
REGISTER OF DEEDS
WASHINGTON COUNTY, WI
Recording Fee Paid: \$30.00

4

Whereas the Applicants:

JDV Real Estate Holdings LLC, Property Owner, Enviro-Safe Consulting LLC, and Enviro-Safe Resource Recovery, Operator

agree to comply with applicable Codes and Ordinances of the Village of Germantown, Wisconsin, and further agrees that all work done pursuant to the permission granted herewith will conform with the applications and drawings filed with and approvals granted by officials of the Village for the purpose of obtaining this permit.

Now, therefore, this permit is issued to the Applicants to permit the development and operation of facility used for the bulk storage and processing of flammable hazardous and non-flammable non-hazardous liquid and solid waste materials pursuant to Section 17.33(3)(a) and (b) of the Village's Zoning Code.

Name & Return Address:

**Village of Germantown
P.O. Box 337
Germantown, WI 53022**

Parcel Identification No:

GTNV 254-280

On the following described property located in the Village of Germantown, Washington County, Wisconsin:

Lot 33 of Certified Survey Map No. 6396, recorded February 22, 2011, in Volume 48 of Certified Survey Maps on Pages 195 to 199, as Document No. 1273968, being a re-division of Lot 25 of Certified Survey Map No. 6275, located in that part of the Southwest 1/4 and the Northwest 1/4 of the Southeast 1/4 of Section 25, Town 9 North, Range 20 East, in the Village of Germantown, County of Washington, State of Wisconsin.

Tax Key No: 254-280

Address: W130 N10500 Washington Drive

Pursuant to the following condition(s):

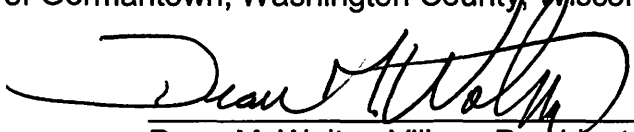
1. Subject to the additional allowances under Condition No. 8 herein, this permit authorizes the uses, activities and facilities set forth in the conditional use permit application dated March 14, 2011 and the supporting documents and plans made part of the application including: Responses to the requirements of Section 11.071 (dated 3-14-2011); MSI letter and attached Plan of Operation (dated March 14, 2011); the draft SPCC (dated March 2011); Enviro-Safe Consulting LLC "CUP Application Review" letter (dated March 30, 2010); Letter of Intent (dated March 11, 2011); and the site development and building plan set (dated 3-14-2011, unless otherwise revised by a subsequent plan set approved by the Village Planner pursuant to revisions required herein). All of the commitments made by the Applicant in the application and supporting documents cited herein are deemed conditions of approval. This approval includes the same uses and activities conducted in/as part of the proposed 12,573 sqft building expansion shown in the site development and building plans.

2. If the use, activities and/or operation subject of this permit falls out of conformity with the conditions herein, or where there is a change in the nature, character, intensity or extent of the permitted conditional use which causes special problems or harmful effects otherwise associated with the use to be no longer ameliorated or eliminated, or where conditions imposed were anticipated to ameliorate or eliminate harmful effects associated with the use but are insufficient to do so, or for similar cause based upon consideration for the public comfort, safety, and welfare, the conditional use permit may be terminated or modified by the Village Board by the amendment to or addition of conditions after public hearing thereon.
3. All business operations and activities conducted on the property and by Enviro-Safe while in the Village shall meet and continuously comply with the performance standards set forth in Zoning Code section 17.47, including, but not limited to odor, fire and explosive hazards, and water quality protection. In the event of a complaint substantiated by Village staff to the extent that a potential violation of or determination of non-compliance with one or more of the performance standards in Section 17.47 may have occurred or is occurring, the applicant shall be responsible for all costs for and resulting from the Village retaining a third party environmental expert capable of investigating and/or monitoring the site and operation. Said expert shall report its findings to the Village for subsequent use in investigating and enforcing said complaint or potential violation of the "performance standards" found in Section 17.47 of the Zoning Code.
4. The type and amount of material to be stored shall be limited to that which is proposed in the application materials including the documents referenced in Condition #1 herein. Any changes to the type, amount, location, and containers from that presented in the application materials and/or site development and building plans, or, any changes to the methods of storage, dispensing, mixing, or transportation activities shall be reported to the Village Planning Department. Modifications to the approved CUP and/or site and building plans or conditions of said approvals may be required by the Village at that time.
5. Enviro-Safe shall develop a closure plan the same as that which required for solid waste storage facilities under WDNR NR 502.04 and submit said plan to the Village Engineer for review and approval prior to issuance of an occupancy permit, including the submittal of a letter of credit or other financial guarantee acceptable to the Village that ensures removal and/or clean-up of remaining inventory can be accomplished by a third party environmental firm (if necessary) in the unanticipated event the business relocates from or ceases to exist in the Village.
6. The applicant is responsible for obtaining all applicable state, federal or other agency permits and approvals and continuously operating within the requirements and restrictions of said permits and approvals. Copies of all state and federal agency permits issued shall be provided to the Village Fire and Planning Department.
7. The overnight storage of hazardous and non-hazardous materials that are not in a protected controlled environment is prohibited.
8. All General, Operations and Reporting conditions of approval and requirements set forth in DNR approval letter dated April 20, 2015 are hereby adopted as conditions of approval for this conditional use permit.

Conditional Use Permit (CUP) #06-15

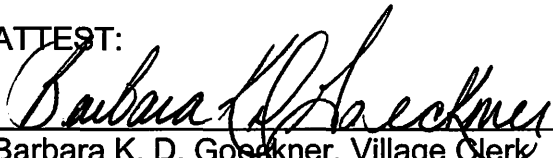
JDV Real Estate Holdings LLC/Enviro-Safe Consulting LLC/Enviro-Safe Resource Recovery
Village of Germantown, Germantown, Wisconsin
Page 3 of 4

Granted by the Village Board of the Village of Germantown, Washington County, Wisconsin
on the 6th day of July, 2015.



Dean M. Wolter, Village President

ATTEST:




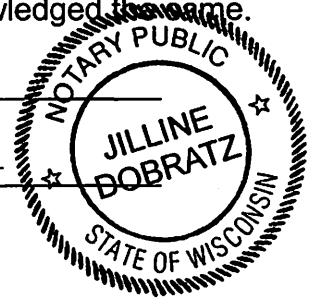
Barbara K. D. Goeckner, Village Clerk

STATE OF WISCONSIN) SS
WASHINGTON COUNTY)

Personally came before me this 9th day of July, 2015, the above
named Dean M. Wolter, Village President, and Barbara K. D. Goeckner, Village Clerk, to me
known to be the persons who executed the foregoing instrument and acknowledged the same.

Jilline Dobratz
(type or print name of Notary on this line)


(signature of Notary on this line)



Notary Public, State of Wisconsin
My Commission Expires: 5-21-19

ACCEPTANCE OF TERMS AND CONDITIONS BY APPLICANT

I, Jeff Vilione, authorized representative for Enviro-Safe Consulting LLC, Enviro-Safe Resource Recovery and JDV Real Estate Holdings LLC, hereby accept the terms and conditions set forth in this Permit, and realize that non-adherence to the terms and conditions as stated hereon may result in the revocation of this Permit by the Village of Germantown under Section 17.42 Germantown Municipal Code.

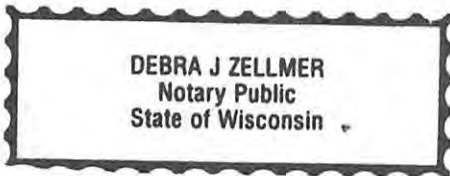
Dated this 30 day of JULY, 2015

JEFFREY D. VILIONE
(type or print name above)

J.D. VR
Signature

STATE OF WISCONSIN) SS
Washington COUNTY)

Personally came before me this 30th day of July, 2015, being the above named Jeffrey D. Vilione, to me known to be the person who executed the foregoing instrument and acknowledged the same.



Debra J. Zellmer
(type or print name of Notary on this line)
[Signature]
(signature of Notary on this line)

Notary Public, State of Wisconsin
My Commission Expires: 8/28/16

This instrument was drafted by:
Jeffrey W. Retzlaff, AICP
Community Development Director/Zoning
Administrator
Village of Germantown, Wisconsin



State of Wisconsin
Waste Facility Siting Board
4822 Madison Yards Way, 5th Floor,
Madison, WI 53707-7875
Phone: (608) 266-7709
Fax: (608) 264-9885
e-mail: dhamail@wisconsin.gov

Dale Shaver
Chairman

Brian Hayes
Executive Director

June 27, 2019

CERTIFIED MAIL

Washington County Clerk
Ms. Brenda Jazewski
432 East Washington Street, Suite 2027
West Bend, WI 53095

Germantown Village Clerk
Ms. Barbara Goeckner
N112 W17001 Mequon Road
Germantown, WI 53022

Re: Enviro-Safe Consulting, LLC (dba Enviro-Safe Resource Recovery)
Germantown, Wisconsin
WFSB # 231

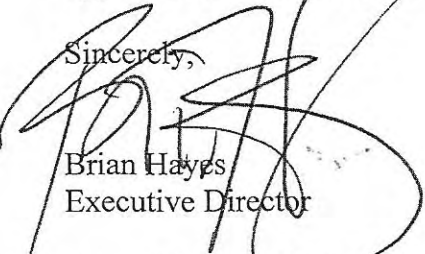
Dear Clerks:

On June 24, 2019 the Waste Facility Siting Board received a copy of a written request for a local approval, along with copies of certified return receipts, sent by Enviro-Safe Resource Recovery to Washington County Clerk and Germantown Village Clerk, regarding the expansion of its current solid waste landfill facility located within the municipalities. The requests were received by the Washington County Clerk on June 20, 2019 and Germantown Village Clerk on June 20, 2019.

If a municipality wishes to participate in the negotiation-arbitration process, it must adopt a siting resolution and appoint members to the local committee within **sixty days of receiving the written request from the applicant**. Wis. Stats. § 289.33(6)(a). A copy of the siting resolution and the names of the members who are appointed to the committee must be sent to the Waste Facility Siting Board within **seven days of the adoption of the siting resolution**. Each member

appointed to a local committee must file a statement of economic interest with the board within **fifteen days of appointment**. A Statement of Economic Interest form can be found on our website at <http://dha.state.wi.us>.

Sincerely,



Brian Hayes
Executive Director

cc: Dawn Zellmer



**Leaders in Resource Recovery Services
and Waste Management Sustainability Programs**

www.enviro-safe.com

June 20, 2019

Washington County Clerk
Ms. Brenda Jazewski
432 East Washington Street, Suite 2027
West Bend, WI 53095

Certified Mail w/Return Receipt
7013 1090 0001 6922 0922

Subject: Enviro-Safe Consulting, LLC. (dba Enviro-Safe Resource Recovery)
Germantown, Wisconsin
EPA ID No. WIR000142877

Dear Ms. Jazewski,

Enviro-Safe Resource Recovery (Enviro-Safe) operates a licensed solid waste processing facility located in Germantown, Wisconsin and plans to apply for a treatment, storage and disposal license from the Wisconsin Department of Natural Resources (WDNR) to allow for the management of hazardous waste generated by businesses and institutions in Wisconsin, as well as, from other states. Enviro-Safe Transportation, LLC., also operates a hazardous and solid waste transportation license. Enviro-Safe plans to submit the license application and a feasibility plan of operation report to the WDNR 135-days after receipt by the municipality of the written request or 120-days after receipt of the response from the municipality indicating that there are no local approval requirements, whichever occurs first.

The purpose of this letter is to comply with provisions of Wisconsin Statute 289.22, addressing the approval process for an operating license, as well as, to inquire if any applicable local approval requirements that shall apply to the facility. Please note that the statute requires that each affected municipality respond within fifteen (15) days upon receipt of this letter. As part of the regulatory obligation under Section 289.22(2), enclosed is a copy of the printed notice prepared by the Wisconsin Waste Facility Sitting Board.

If you have any questions regarding this information, please contact me at any time. Additionally, Douglas Coenen (WDNR Hazardous Waste Specialist) can be contacted at (608) 264-9258 or Douglas.Coenen@wisconsin.gov.

If you have any questions regarding this submittal, please contact me at (262) 790-2500.

Sincerely,
Enviro-Safe Resource Recovery

A handwritten signature in blue ink that reads "D Zellmer".

Dawn Zellmer
V.P. of Operations and Compliance

c: WDNR - Douglas Coenen
File



State of Wisconsin
Waste Facility Siting Board
4822 Madison Yards Way, 5th Floor North
Madison WI 53705-5400
Phone: (608) 266-7709
Fax: (608) 264-9885
e-mail: dhamail@wisconsin.gov

Dale Shaver
Chairman

Brian Hayes
Executive Director

STANDARD NOTICE

TIME LIMITS AND REQUIREMENTS FOR MUNICIPALITIES TO PARTICIPATE IN THE NEGOTIATION AND ARBITRATION PROCESS FOR THE SITING OF A SOLID OR HAZARDOUS WASTE FACILITY UNDER SEC. 289.33, WISCONSIN STATUTES.

PLEASE READ ALL PAGES CAREFULLY.

This notice informs a municipality of the actions and deadlines required to qualify for participation in negotiations and arbitration concerning the proposed siting of all new or expanded solid or hazardous waste facilities in the state of Wisconsin.

This standard notice shall be submitted with any written requests for local approvals by the applicant to the clerk of each affected municipality and to the main public library in each affected municipality. s. 289.22(1m)(2) and s. 289.32, Wis. Stats.

Who is the Waste Facility Siting Board?

The Waste Facility Siting Board is an impartial body composed of six members. These members include the secretaries, or their formally appointed designees, of the Departments of Agriculture, Trade and Consumer Protection, Transportation, Safety and Professional Services and two town elected officials and one county elected official appointed by the governor for three year terms.

What does the Waste Facility Siting Board do?

The Waste Facility Siting Board administers the negotiation and arbitration process for the siting of every solid and hazardous waste facility in the state of Wisconsin.

The board's authority is created by law in Chapter 289, Subchapter III, Wis. Stats. The intent of the law is to create and maintain a comprehensive and effective policy of negotiation and

arbitration between an applicant for a waste facility license and a local committee representing the affected municipalities.

Who is an Applicant?

An “applicant” is any person applying for a license or the owner or operator of a facility.

What is an Affected Municipality?

An affected municipality is any town, village, city, or county:

- (a) where any or all of the proposed waste site will be located, or
- (b) whose boundary is within 1500 feet of the facility designated in the feasibility report for the disposal of solid waste or the treatment, storage or disposal of hazardous waste.

An applicant that is a municipality or is under contract with a municipality for development of the site, is not considered an affected municipality for purposes of negotiation.

What is an Additional Municipality?

An additional municipality is any town, city, village, or county which does not qualify as an affected municipality but is included in the negotiation and arbitration process by written agreement of the applicant and the participating affected municipalities.

How does the negotiation-arbitration process begin?

The process is initiated by the applicant. Before submitting a feasibility report to the Department of Natural Resources (DNR), the applicant must submit by certified mail to the clerk of each affected municipality a written request for specification of all applicable local approvals. The municipality has 15 days to respond.

What is a “local approval”?

The term “local approval” is defined in s. 289.33(3)(d), Stats. It essentially means any requirement, restriction, condition, or prohibition imposed by a municipality on a waste facility site by ordinance, resolution, or regulation.

The law gives special weight to “pre-existing local approvals.” Pre-existing local approvals are those that have been in effect at least 15 months before the applicant submits to DNR an initial site report or a feasibility report, whichever happens first. A new or expanded waste facility is subject to pre-existing local approvals unless specified as inapplicable in a negotiated agreement or an arbitration award. A new or expanded waste facility is not subject to other local approvals unless specified as applicable in a negotiated agreement.

If an Affected Municipality wants to negotiate with the applicant concerning the site what is required?

There are three requirements.

First, an affected municipality must pass a siting resolution within 60 days of receipt of the applicant's initial written request for local approvals. If this deadline is missed, a municipality may not participate in negotiations. A copy of the siting resolution must be sent to the board within 7 days of passage.

Each affected municipality that wishes to negotiate with the applicant about the proposed facility must pass a siting resolution which shall state the following:

- (1) the name and location of the municipality,
- (2) the name and location of the applicant,
- (3) the specific location of the proposed facility, and
- (4) the municipality's intent to negotiate and, if necessary, arbitrate with the applicant concerning the proposed facility.

Second, an affected municipality must appoint members to the local committee within 60 days of receipt of the applicant's request for local approvals. Names and addresses of local committee members must be sent to the Waste Facility Siting Board within 7 days of appointment.

Each affected municipality that wishes to negotiate with the applicant must appoint members to the local negotiating committee. Each town, village, or city where all or part of the proposed waste facility is to be located may appoint 4 members, or 2 more than the total number of all other members, whichever number is greater; no more than 2, however, may be elected officials or municipal employees. Each county where all or any part of the proposed waste facility will be located may appoint 2 members. Every other town, village, city, or county within 1500 feet of the proposed waste facility may appoint 1 member. Appointment of members may be included in the siting resolution or in a separate resolution.

Third, each member appointed to the local committee must file with the Waste Facility Siting Board a Statement of Economic Interests within 15 days of appointment. A member who fails to file a Statement of Economic Interests may not serve on the local committee.

These forms are available at no cost from the Waste Facility Siting Board.

What is required if an Additional Municipality wants to negotiate with the applicant concerning the site?

There are four requirements.

First, an additional municipality must receive written agreement of all parties to be added to the process.

Second, an additional municipality must pass a siting resolution within 30 days of the agreement between the parties to allow participation by the additional municipality. A copy of the siting resolution must be sent to the board within 7 days of passage.

The siting resolution must state the following:

- (1) the name and location of the municipality,

- (2) the name and location of the applicant,
- (3) the specific location of the proposed facility, and
- (4) the municipality's intent to negotiate and, if necessary, arbitrate with the applicant concerning the proposed facility.

Third, an additional municipality must appoint one member to the local committee within 60 days. The name and address of the local committee member must be sent to the Waste Facility Siting Board within 7 days of appointment.

Fourth, the appointed member to the local committee must file with the Waste Facility Siting Board a Statement of Economic Interests within 15 days of appointment. A member who fails to file a Statement of Economic Interests may not serve on the local committee.

These forms are available at no cost from the Waste Facility Siting Board.

When may negotiations begin?

Negotiations may begin at any time after notification by the Waste Facility Siting Board. The board will send a notification of participation to the applicant and the clerk of each participating municipality within 5 days after the board receives copies of the resolutions and names and addresses of members appointed to the local committee, or within 72 days after all affected municipalities have received written request for local approvals. This notice will identify the participating municipalities, identify the names of the members of the local committee, and inform the parties that negotiations may begin.

If, for error or change in plans, the applicant must add any other affected municipality following the board's notification of participation, that affected municipality shall have the same rights and obligations as outlined above. The board may issue an order delaying negotiations until that affected municipality has time to act. This procedure is outlined in s. 289.33(6)(c), Stats.

Either the applicant or the local committee may initiate negotiations. The time and place of negotiating sessions are determined by agreement between the applicant and the local committee. Negotiating sessions must be open to the public.

What issues can be negotiated?

Any subject may be negotiated except the need for the facility and any proposal that would make the applicant's responsibilities less stringent than required by the Department of Natural Resources. Either party may petition the board in writing for a determination as to whether a proposal is negotiable. The board will conduct a hearing and issue a binding decision in 14 days.

If a negotiated settlement is reached, what is required?

There are two requirements.

First, the agreement must be approved by all appropriate bodies.

An appropriate body is the governing body of each town, city, or village where all or a portion of the waste facility is to be located. If the agreement is approved by all of the appropriate bodies, the agreement is binding on all participating municipalities.

Second, if the agreement is approved, the applicant shall send a copy or notice of any negotiated agreement to the Waste Facility Siting Board and to the Department of Natural Resources within 10 days after the agreement is approved by all appropriate bodies. If the agreement is not approved by all of the appropriate bodies, the agreement is void. The parties may resume negotiations, begin mediation, or initiate arbitration.

Who initiates mediation?

Either party may request a mediator at any time during the negotiation.

Who is the mediator?

The board maintains a list of competent, impartial, disinterested persons consisting of lawyers, retired judges, and professional mediators who serve as mediators.

Who chooses the mediator?

Upon receipt of a request for a mediator, the board will immediately send the parties a list of 5 mediators. The parties shall alternately strike names until one name is left who will be appointed by the board.

What is the role of the mediator?

The role of the mediator is to encourage a voluntary settlement. The mediator may not impose a settlement on either party.

Who pays for the mediator?

Unless specified in the negotiated agreement or the arbitration award, the costs of the mediator will be shared equally by the applicant and the local committee.

What happens if the mediator fails to bring settlement?

The parties may resume negotiations or initiate arbitration.

Who initiates arbitration?

The applicant or the local committee may petition the board jointly or separately to initiate arbitration.

Arbitration may not be initiated until at least 120 days after the appointment of the local committee.

A statement in response to a unilateral arbitration petition must be filed within 14 days.

What issues can be arbitrated?

Only eight issues can be arbitrated. These issues are:

1. Compensation to any person for substantial economic impacts which are a direct result of the facility including insurance and damages not covered by the waste management fund.
- 1m. Reimbursement of reasonable costs, but not to exceed \$20,0000, incurred by the local committee relating to negotiations, mediation and arbitration activities under this section.
2. Screening and fencing related to the appearance of the facility. This item may not affect the design capacity of the facility.
3. Operational concerns including, but not limited to, noise, dust, debris, odors and hours of operation but excluding design capacity.
4. Traffic flows and patterns resulting from the facility.
5. Uses of the site where the facility is located after closing the facility.
6. Economically feasible methods to recycle or reduce the quantities of waste to the facility. At facilities for which the applicant will not provide or contract for collection and transportation services, this item is limited to methods provided at the facility.
7. The applicability or non-applicability of any pre-existing local approvals.

If requested by either party, the board will rule on the arbitrability of a specific issue.

Once initiated, how does the arbitration process work?

Within 15 days of receipt of a petition to initiate arbitration, the board will issue a decision either to have the parties continue negotiation for at least 30 days, delay arbitration until a feasibility report is submitted, or order the parties to submit their final offers within 90 days. If, when ordered by the board, the applicant fails to submit a final offer within 90 days, the applicant may not construct or operate the facility. If the local committee fails to submit a final offer in 90 days the local committee loses all rights to further negotiation and the facility is not subject to any local approval.

Within 30 days after the last day for submitting final offers, the board shall conduct a public meeting for the parties to explain their final offers.

Within 90 days after the last day for submitting final offers, the board will issue an arbitration award. If the board fails to issue an award because it lacks the necessary five votes, the governor will issue an arbitration award within 120 days after the last day for submitting final offers.

The board's arbitration award is binding on the applicant and the participating municipalities.

The information presented here serves as a guide to help affected and additional municipalities comply with the negotiation-arbitration laws concerning siting of solid and hazardous waste facilities under s. 289.33, Stats. For specific legal advice, or changes in the statute or administrative rules, an applicant or affected municipality should consult its attorney or contact the Waste Facility Siting Board, 4822 Madison Yards Way, 5th Floor North, Madison, Wisconsin 53705-5400, (608) 266-7709, FAX: (608) 264-9885.

Revised: 01/25/2018

7013 1090 0001 6922 0922

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

WEST BEND, WI 53095

Postage	\$2.50
Certified Fee	\$2.80
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$1.15
	\$7.45



Sent to
 Washington County Clerk
 Street, Apt. No.
 432 East Washington Street
 City, State, ZIP+4
 West Bend, WI 53095

SENDER: COMPLETE THIS SECTION

■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.



1. Article Addressed to:

Washington County Clerk
432 East Washington St.
Suite 2027
West Bend, WI 53095

2. Article Number
(Transfer from service label)

7013 1090 0001 6922 0922

PS Form 3811, July 2013

COMPLETE THIS SECTION ON DELIVERY

A. Signature

x Julie Johnson

Agent
 Addressee

B. Received by (Printed Name)

Julie Johnson

C. Date of Delivery

6-21-19

D. Is delivery addressed here from item 1? Yes
If YES, enter delivery address below: No

JUL 05 2019

3. Service Type

Certified Mail® Priority Mail Express™
 Registered Return Receipt for Merchandise
 Insured Mail Collect on Delivery

4. Restricted Delivery? (Extra Fee)

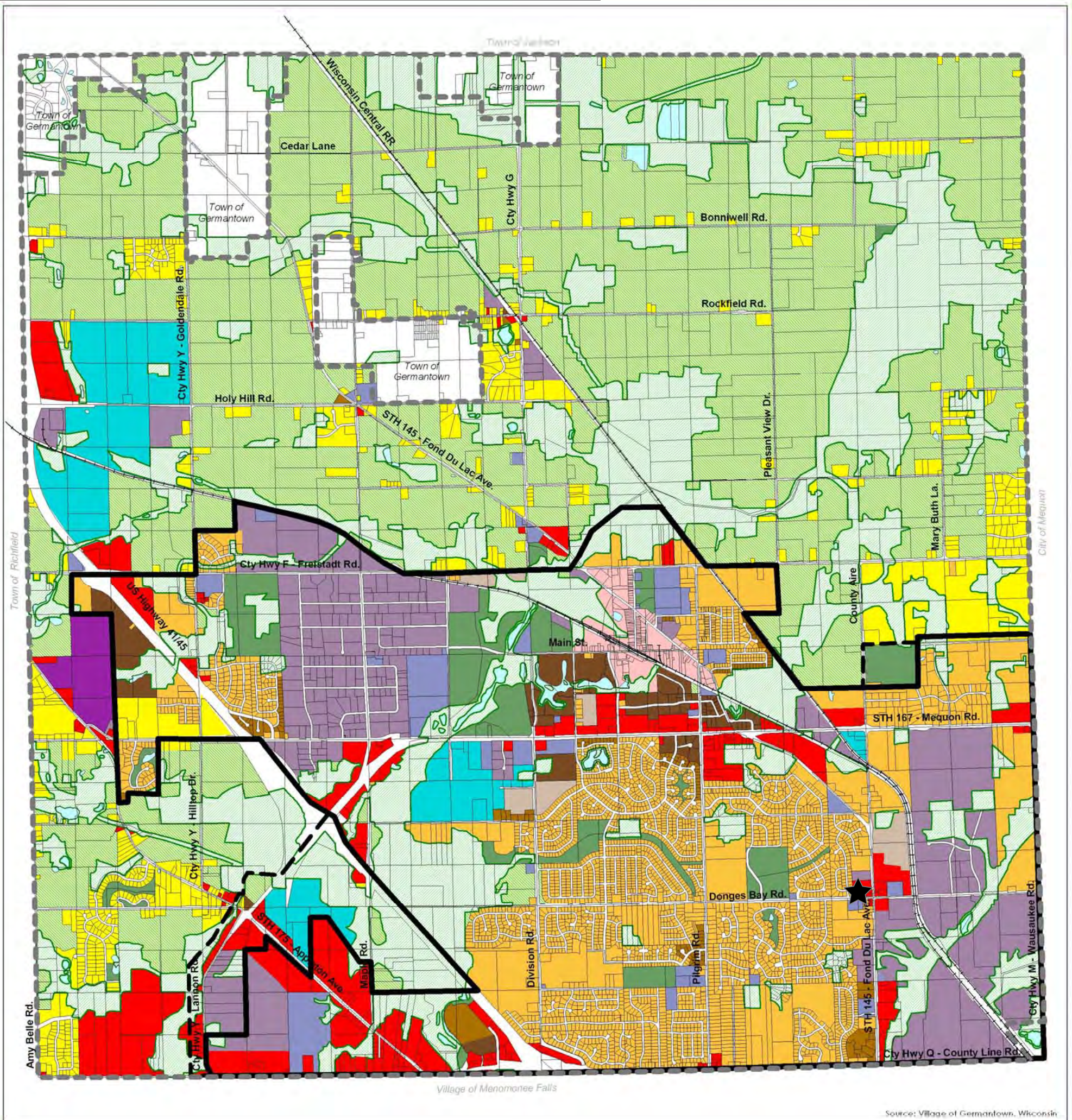
Yes

Domestic Return Receipt

APPENDIX G: DRAWING AND MAPS

G-01 Village of Germantown Zoning Surround Land Use Map [NR 670.014(s)(4)]
G-02 Certified Site Survey
G-03 Topographical Map [NR 670.13(12) and NR 670.0.014(s)]
G-04 Facility Map [NR 670.13(8) and NR 670.014(s)(10)]
G-05 Secondary Containment Map
G-06 100-Year Flood Plain Map [NR 670.014(k) and NR 670.014(s)(2)]
G-07 Local Street and Traffic Pattern Map [NR 670.014(s)(3)]
G-08 Container Storage Map
G-09 Surface Waters and Streams Map [NR 670.014(s)(3)]
G-10 Wind Rose Data Maps [NR 670.014(s)(5)]
G-11 WDNR Injection and Withdrawal Well Map

Enviro-Safe Resource Recovery
Appendix G-01 - Surrounding Land Use



Source: Village of Germantown, Wisconsin

Future Land Use Categories

- | | | |
|---|----------------------------|---|
| Agricultural/Conservation Residential (5 Acre lots) | Commercial | Environmental Corridors/ Isolated Natural Areas |
| Rural Residential (1 Ac. Min. Lot Size) | Village Mixed Use | 2010 Sanitary Sewer Service Area |
| Low Density Residential (2 d.u./Acre) | Mixed Use | 2020 Sanitary Sewer Service Area Extension |
| Medium Density Residential (4 d.u./Acre) | Industrial/Office | Municipal Boundary |
| High Density Residential (8 d.u./Acre) | Mineral Extraction | |
| Elderly Residential | Institutional/Governmental | |
| | Park/Recreation Area | |
| | Rivers, Lakes and Streams | |

Map 8 - 3 : 2010-2020 Future Land Use

Comprehensive Plan
 Village of Germantown, Wisconsin

JJR

September, 2004

0 Ft. 1,625 Ft. 3,250 Ft.

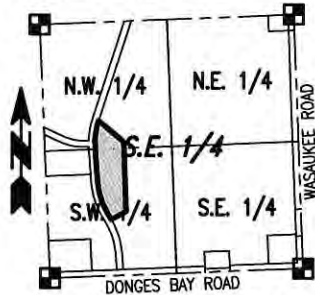
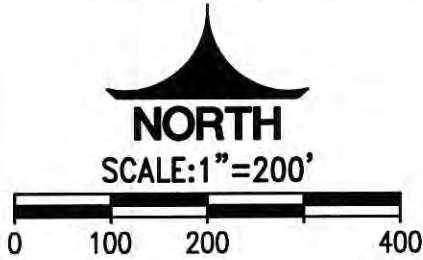
Enviro-Safe Resource Recovery
Appendix G-02 - Certified Survey Map

Appendix G-02: Certified Site Survey

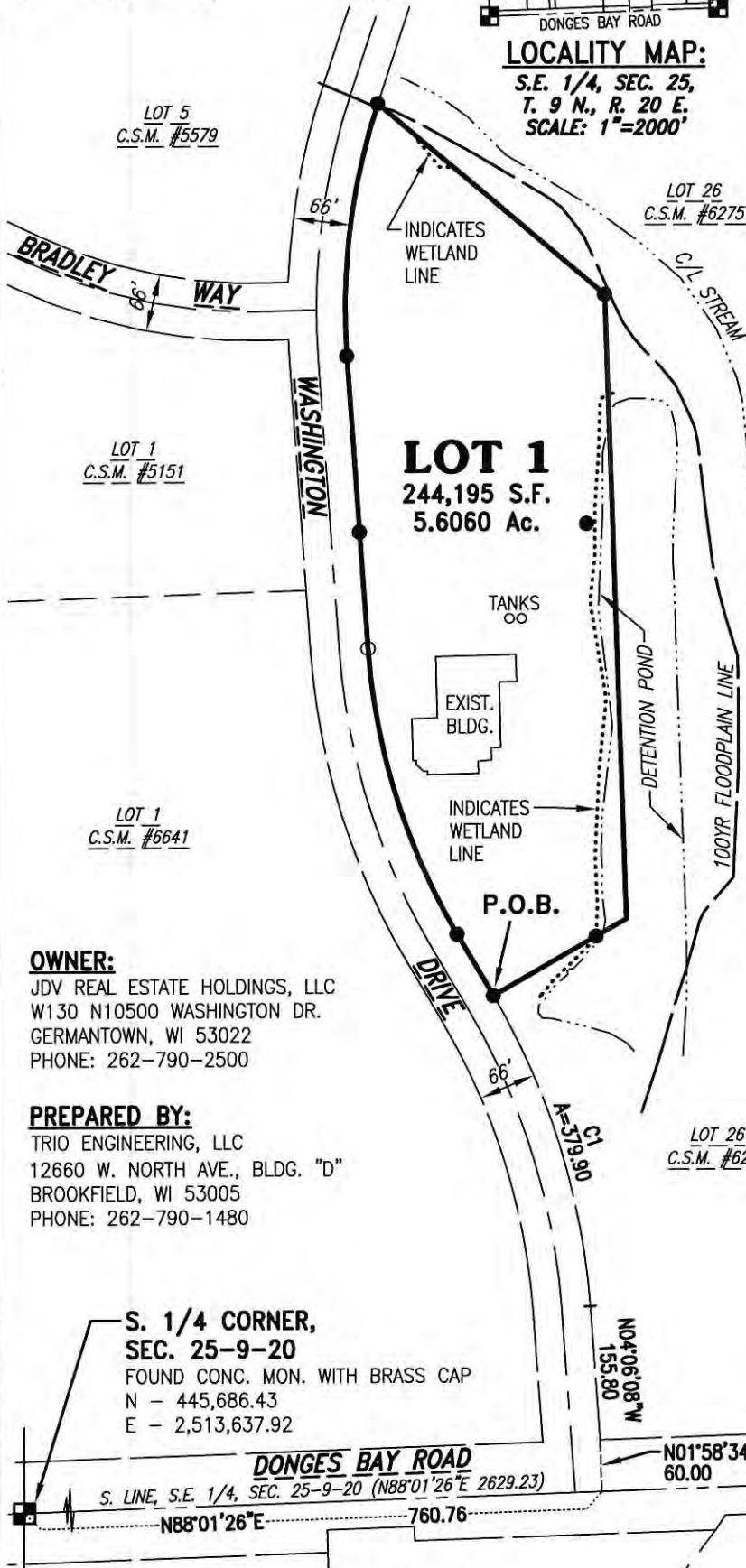
Date: October 10, 2018

CERTIFIED SURVEY MAP NO.

BEING A CONSOLIDATION OF LOTS 33 AND 34 OF CERTIFIED SURVEY MAP NO. 6396, BEING LOCATED IN A PART OF THE NORTHWEST 1/4 AND SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 25, TOWN 9 NORTH, RANGE 20 EAST, IN THE VILLAGE OF GERMANTOWN, WASHINGTON COUNTY, WISCONSIN.



LOCALITY MAP:
S.E. 1/4, SEC. 25,
T. 9 N., R. 20 E.
SCALE: 1"=2000'



LEGEND:

- - INDICATES Section Corner (See Sheet 1 for Details)
- - INDICATES "Set" 3/4" X 18" long Iron Rod weighing 1.13 lbs. per lineal foot
- - INDICATES "Found" Monumentation (See Sheet 2 for details)
- IPF - Iron Pipe Found
- IRF - Iron Rod Found
- IRS - Iron Rod Set

NOTES:

- ALL BEARINGS ARE REFERENCED TO GRID NORTH OF THE WISCONSIN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD-27), IN WHICH THE SOUTH LINE OF THE S.E. 1/4 OF SECTION 25, TOWN 9 NORTH, RANGE 20 EAST, BEARS N88°01'26"E.
- TELEPHONE LINES, ELECTRIC LINES, CABLE TELEVISION LINES, TELECOMMUNICATIONS LINES, AND OTHER SIMILAR UTILITY SERVICES SHALL BE PLACED UNDERGROUND UNLESS THE APPLICANT OR UTILITY CAN DEMONSTRATE THAT UNDERGROUNDING IS NOT FEASIBLE.
- WETLAND LINE SHOWN HEREON WAS FIELD DELINEATED BY STANTEC CONSULTING, INC. (BRIAN LENNIE) ON SEPTEMBER 11, 2018 AND WAS FIELD LOCATED BY TRIO ENGINEERING, LLC ON SEPTEMBER 12, 2018.

OWNER:

JDV REAL ESTATE HOLDINGS, LLC
W130 N10500 WASHINGTON DR.
GERMANTOWN, WI 53022
PHONE: 262-790-2500

PREPARED BY:

TRIO ENGINEERING, LLC
12660 W. NORTH AVE., BLDG. "D"
BROOKFIELD, WI 53005
PHONE: 262-790-1480



S. 1/4 CORNER,
SEC. 25-9-20
FOUND CONC. MON. WITH BRASS CAP
N - 445,686.43
E - 2,513,637.92

S.E. CORNER,
SEC. 25-9-20
FOUND CONC. MON. WITH ALUMINUM CAP
N - 445,777.09
E - 2,516,265.32

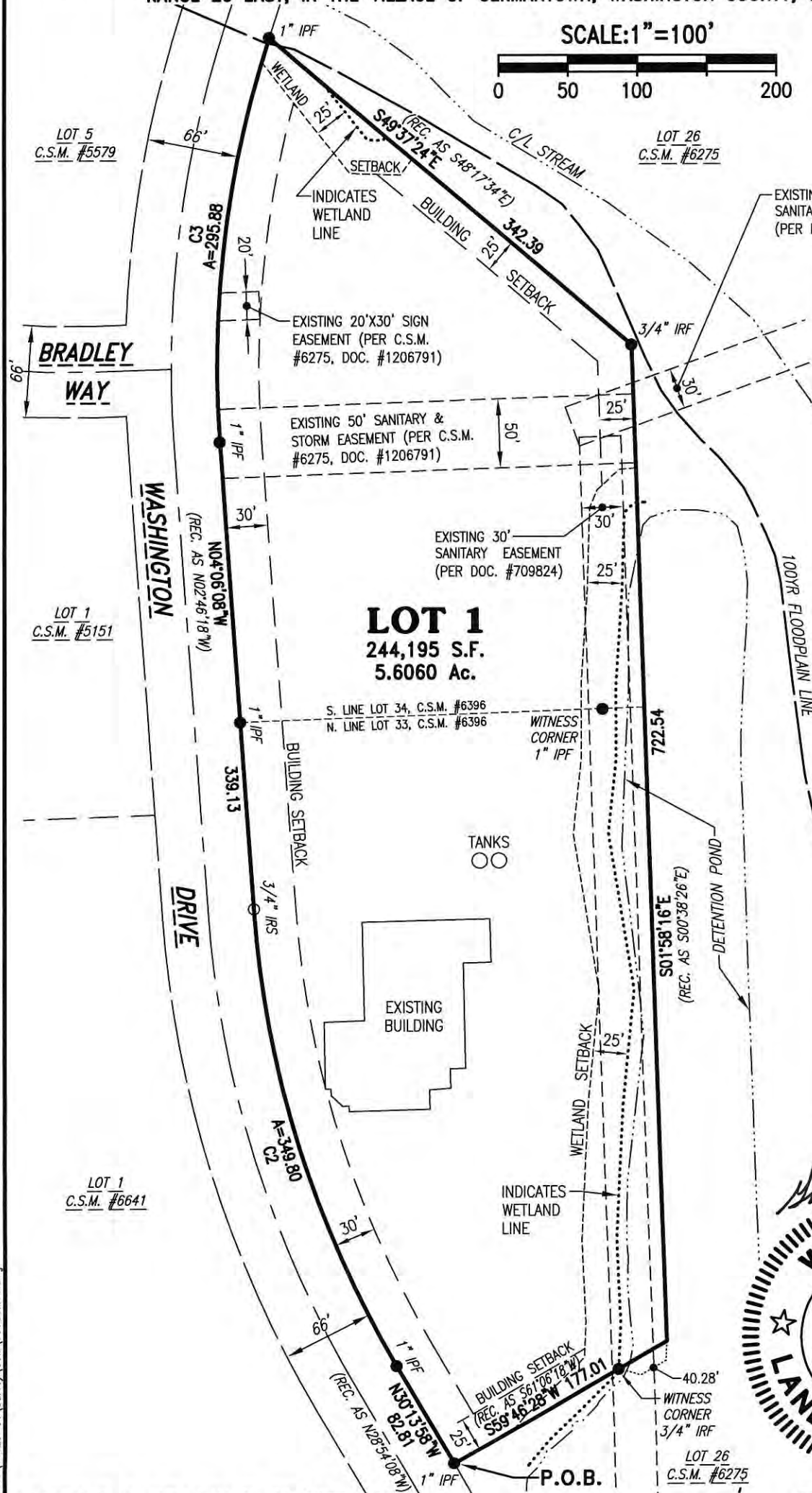
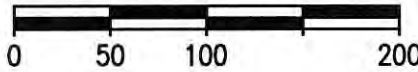
DRAFTED THIS 10TH DAY OF OCTOBER, 2018
THIS INSTRUMENT WAS DRAFTED BY GRADY L. GOSSER, S-2972

JOB NO. 18-023-1050-01
SHEET 1 OF 5

CERTIFIED SURVEY MAP NO. _____

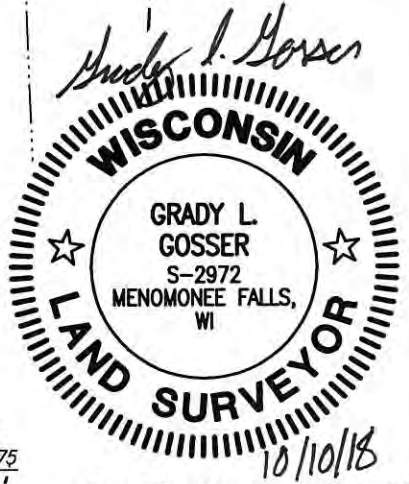
BEING A CONSOLIDATION OF LOTS 33 AND 34 OF CERTIFIED SURVEY MAP NO. 6396, BEING LOCATED IN A PART OF THE NORTHWEST 1/4 AND SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 25, TOWN 9 NORTH, RANGE 20 EAST, IN THE VILLAGE OF GERMANTOWN, WASHINGTON COUNTY, WISCONSIN.

SCALE: 1" = 100'



CURVE TABLE:

NO.	RADIUS	CENTRAL ANGLE	ARC	CHORD	CHORD BEARING	TANGENT IN	TANGENT OUT
C1	833.00	26°07'50"	379.90	376.62	N17°10'03"W (REC. AS N15°50'13"W)	N04°06'08"W	N30°13'58"W
C2	767.00	26°07'50"	349.80	346.78	N17°10'03"W (REC. AS N15°50'13"W)	N30°13'58"W	N04°06'08"W
C3	767.00	22°06'08"	295.88	294.04	N06°56'56"E (REC. AS N08°16'46"E)	N04°06'08"W	N18°00'00"E



DRAFTED THIS 10TH DAY OF OCTOBER, 2018
 THIS INSTRUMENT WAS DRAFTED BY GRADY L. GOSSER, S-2972

JOB NO. 18-023-1050-01
 SHEET 2 OF 5

H:\C:\1000\1050\18023-01\Survey\CSM\530CSM01.dwg

CERTIFIED SURVEY MAP NO.

BEING A CONSOLIDATION OF LOTS 33 AND 34 OF CERTIFIED SURVEY MAP NO. 6396, BEING LOCATED IN A PART OF THE NORTHWEST 1/4 AND SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 25, TOWN 9 NORTH, RANGE 20 EAST, IN THE VILLAGE OF GERMANTOWN, WASHINGTON COUNTY, WISCONSIN.

SURVEYOR'S CERTIFICATE:

STATE OF WISCONSIN)
)ss
COUNTY OF WAUKESHA)

I, Grady L. Gosser, Professional Land Surveyor, do hereby certify:

That I have surveyed, divided and mapped a consolidation of Lots 33 and 34 of Certified Survey Map No. 6396, recorded in the Office of the Register of Deeds for Washington County on February 22, 2011, in Volume 48 of Certified Survey Maps, at Pages 195 through 199 inclusive, as Document No. 1273968, being located in a part of the Northwest 1/4 and Southwest 1/4 of the Southeast 1/4 of Section 25, Town 9 North, Range 20 East, in the Village of Germantown, Washington County, Wisconsin.

Said Parcel contains 244,195 Square Feet (or 5.6060 Acres) of land, more or less.

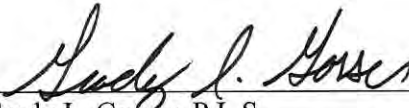
That I have made such survey, land division and map by the direction of **JDV REAL ESTATE HOLDINGS, LLC**, owner of said lands.

That such map is a correct representation of all the exterior boundaries of the land surveyed and the land division thereof made.

That I have fully complied with the provisions of Chapter 236 of the Wisconsin Statutes and the subdivision regulations of the Village of Germantown in surveying, dividing and mapping the same.

Dated this 10th day of OCTOBER, 2018.




Grady L. Gosser, P.L.S.
Professional Land Surveyor, S-2972
TRIO ENGINEERING, LLC
12660 W. North Avenue, Building "D"
Brookfield, WI 53005
Phone: (262)790-1480 Fax: (262)790-1481

Drafted this 10th Day of October, 2018

THIS INSTRUMENT WAS DRAFTED BY GRADY L. GOSSER, S-2972

Job. No. 18-023-1050-01

SHEET 3 OF 5

CERTIFIED SURVEY MAP NO. _____

BEING A CONSOLIDATION OF LOTS 33 AND 34 OF CERTIFIED SURVEY MAP NO. 6396, BEING LOCATED IN A PART OF THE NORTHWEST 1/4 AND SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 25, TOWN 9 NORTH, RANGE 20 EAST, IN THE VILLAGE OF GERMANTOWN, WASHINGTON COUNTY, WISCONSIN.

CORPORATE OWNER'S CERTIFICATE:

JDV REAL ESTATE HOLDINGS, LLC, a Wisconsin Limited Liability Company duly organized and existing under and by virtue of the laws of the State of Wisconsin, as owner, does hereby certify that said Corporation caused the land described on this map to be surveyed, divided and mapped as represented on this map in accordance with the provisions of Chapter 236 of the Wisconsin Statutes and the ordinances of the Village of Germantown, this _____ day of _____, 20_____.

JDV REAL ESTATE HOLDINGS, LLC

Jeffrey D. Vilione, Member

STATE OF WISCONSIN)
) ss
COUNTY OF)

Personally came before me this _____ day of _____, 20_____, Jeffrey D. Vilione, Member of the above named Corporation, to me known to be the person who executed the foregoing instrument, and to me known to be a Member of said Corporation, and acknowledged that he executed the foregoing instrument as such officer as the deed of said Corporation, by its authority.

Print Name: _____
Notary Public, _____ County, WI
My commission expires: _____

CONSENT OF CORPORATE MORTGAGEE:

SPRING BANK OF WISCONSIN, a corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, mortgagee of the above described land, does hereby consent to the surveying, dividing and mapping of the land described on this Certified Survey Map, and does hereby consent to the above certificate of **JDV REAL ESTATE HOLDINGS, LLC**, owner, this _____ day of _____, 20_____.

SPRING BANK OF WISCONSIN

Glenn A. Michaelsen, Senior Vice President

STATE OF WISCONSIN)
) ss
COUNTY OF)

Personally came before me this _____ day of _____, 20_____, Glenn A. Michaelsen, Senior Vice President of the above named corporation, to me known to be the person who executed the foregoing instrument, and to me known to be the Senior Vice President of said Corporation, and acknowledged that he executed the foregoing instrument as such officer as the deed of said corporation, by its authority.

Print Name: _____
Notary Public, _____ County, WI
My commission expires: _____



L:\LOBBYS\WPDOCS\DOCUMENT\1050\18023-01\530-Certified Survey Map\CSM-Enviro-Safe.doc

CERTIFIED SURVEY MAP NO. _____

BEING A CONSOLIDATION OF LOTS 33 AND 34 OF CERTIFIED SURVEY MAP NO. 6396, BEING LOCATED IN A PART OF THE NORTHWEST 1/4 AND SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 25, TOWN 9 NORTH, RANGE 20 EAST, IN THE VILLAGE OF GERMANTOWN, WASHINGTON COUNTY, WISCONSIN.

VILLAGE OF GERMANTOWN PLANNING COMMISSION APPROVAL:

This Certified Survey Map is hereby approved by the Planning Commission of the Village of Germantown on this _____ day of _____, 20 _____.

Dean Wolter, Chairman

Date:

Laura A. Johnson, Secretary

Date:

VILLAGE BOARD APPROVAL:

This Certified Survey Map, being a part of the Northwest 1/4 and Southwest 1/4 of the Southeast 1/4 of Section 25, Town 9 North, Range 20 East, in the Village of Germantown, Washington County, Wisconsin, having been approved by the Planning Commission being the same, is hereby approved and accepted by the Village Board of Trustees of the Village of Germantown on this _____ day of _____, 20 _____.

Dean Wolter, Village President

Date:

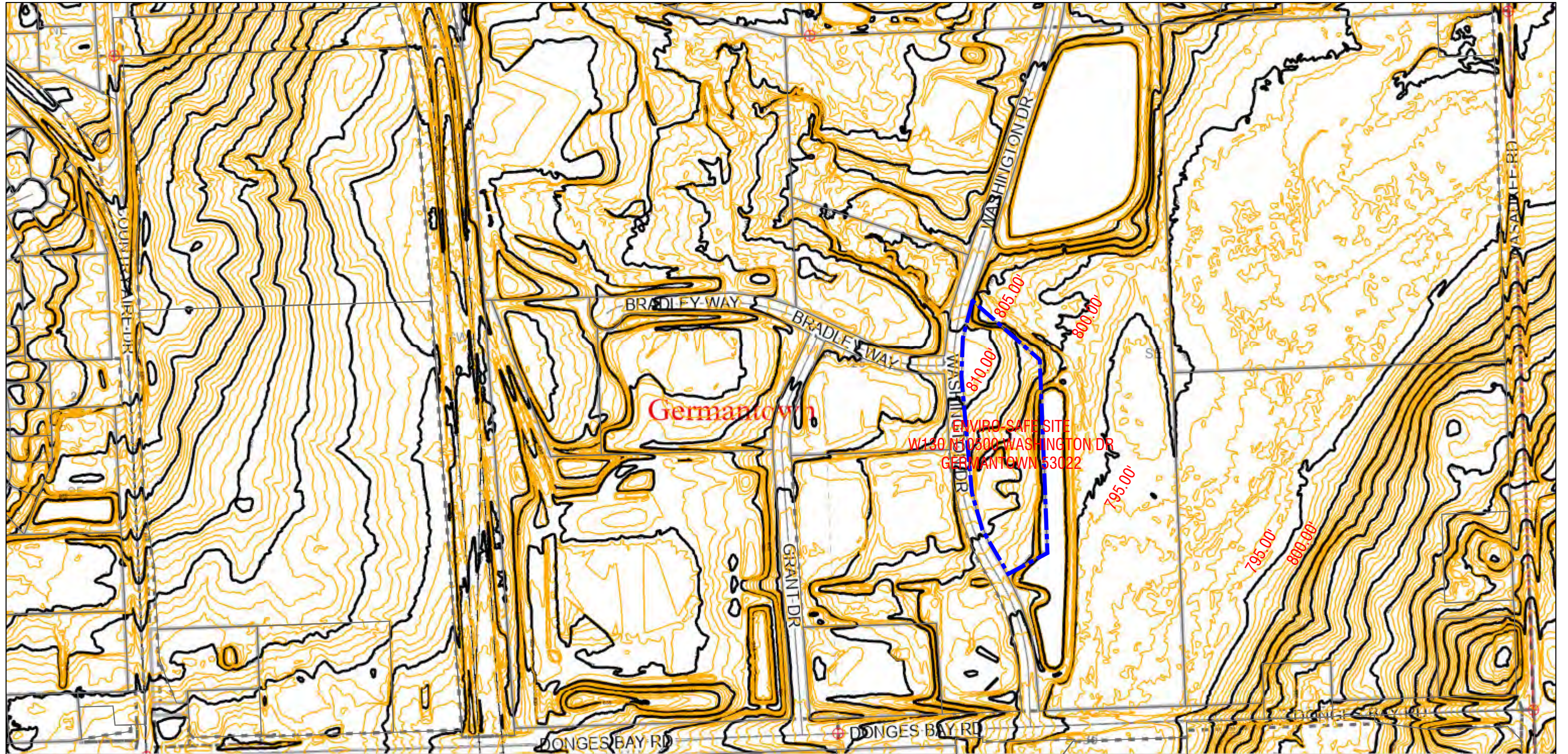
Deanna Boldrey, Village Clerk

Date:



Enviro-Safe Resource Recovery
Appendix G-03 - Topographical Map

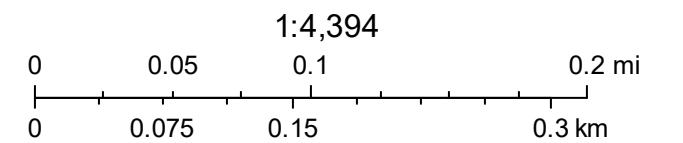
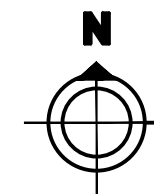
Washington County, Wisconsin



3/17/2021, 10:57:12 PM

- Current Parcel
 - City/Village Street
 - Private Street
 - Meander Line
 - Lot
 - Right-of-Way
 - Building
 - Township Road
- 1' Contours**
- <all other values>
 - Index
 - Intermediate
- RoadCenterline TWN, CVS, PVT**

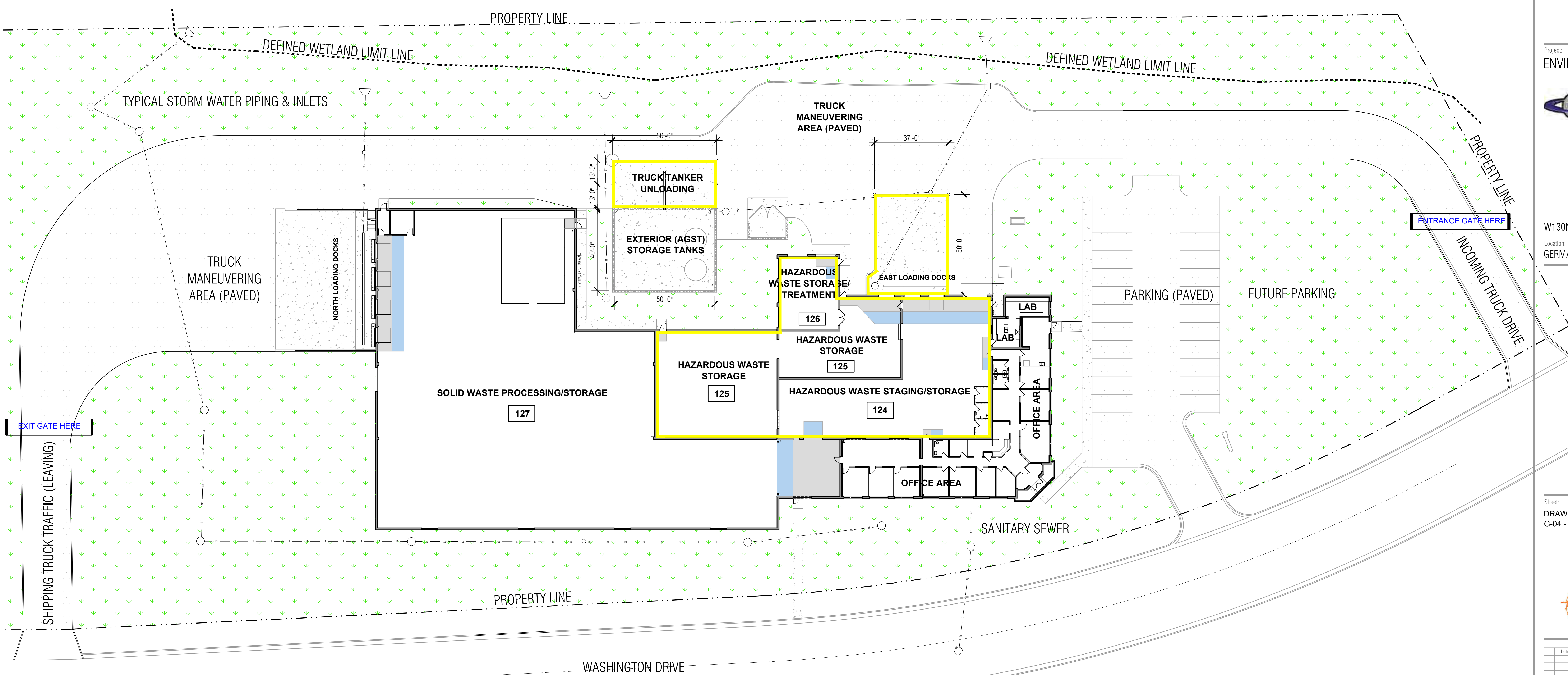
ENVIRO-SAFE SITE
W130 N10500 WASHINGTON DR
GERMANTOWN 53022



Washington County GIS
 Washington County

**Enviro-Safe Resource Recovery
Appendix G-04 - Facility Map**

- MAP KEY**
- INTERIOR RAMPED FLOOR (6")
 - INTERIOR LANDING AREA (TYP ELEV 797.00')
 - EXTERIOR CONCRETE PAVING
 - ASPHALTIC PAVING
 - TURF OR NATURAL AREA
 - EXTERIOR WALL
 - LIMITS OF HAZARDOUS WASTE STORAGE
 - SANITARY SEWER
 - STORM SEWER
 - CATCH BASIN INLET OR MANHOLE
 - STORM SUMP
 - TRENCH DRAIN
 - STORM OUTFALL
 - HAZARDOUS MATERIAL STORAGE 18,000 GAL



Project: ENVIRO-SAFE ADDITION



W130N10500 WASHINGTON DR
 Location: GERMANTOWN, WI 53022

Sheet: DRAWINGS & MAPS: G-04 - FACILITY MAP

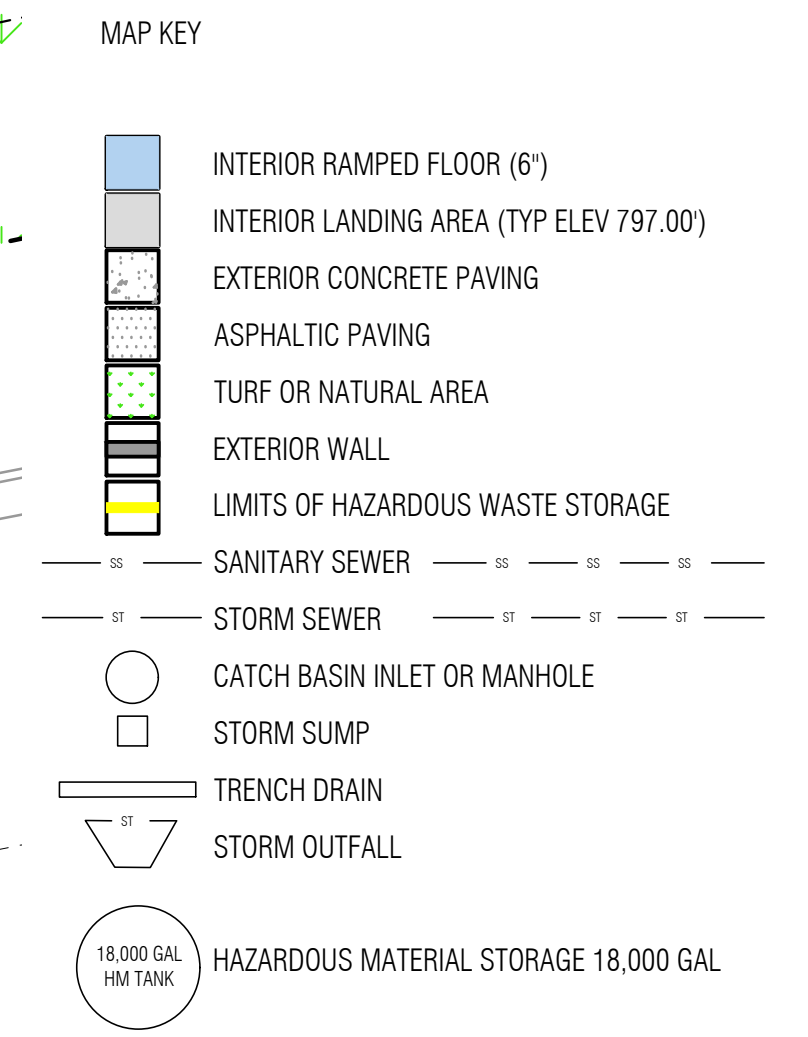
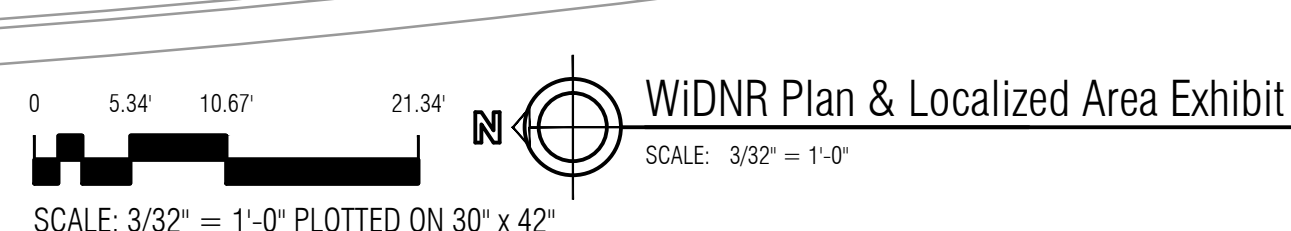
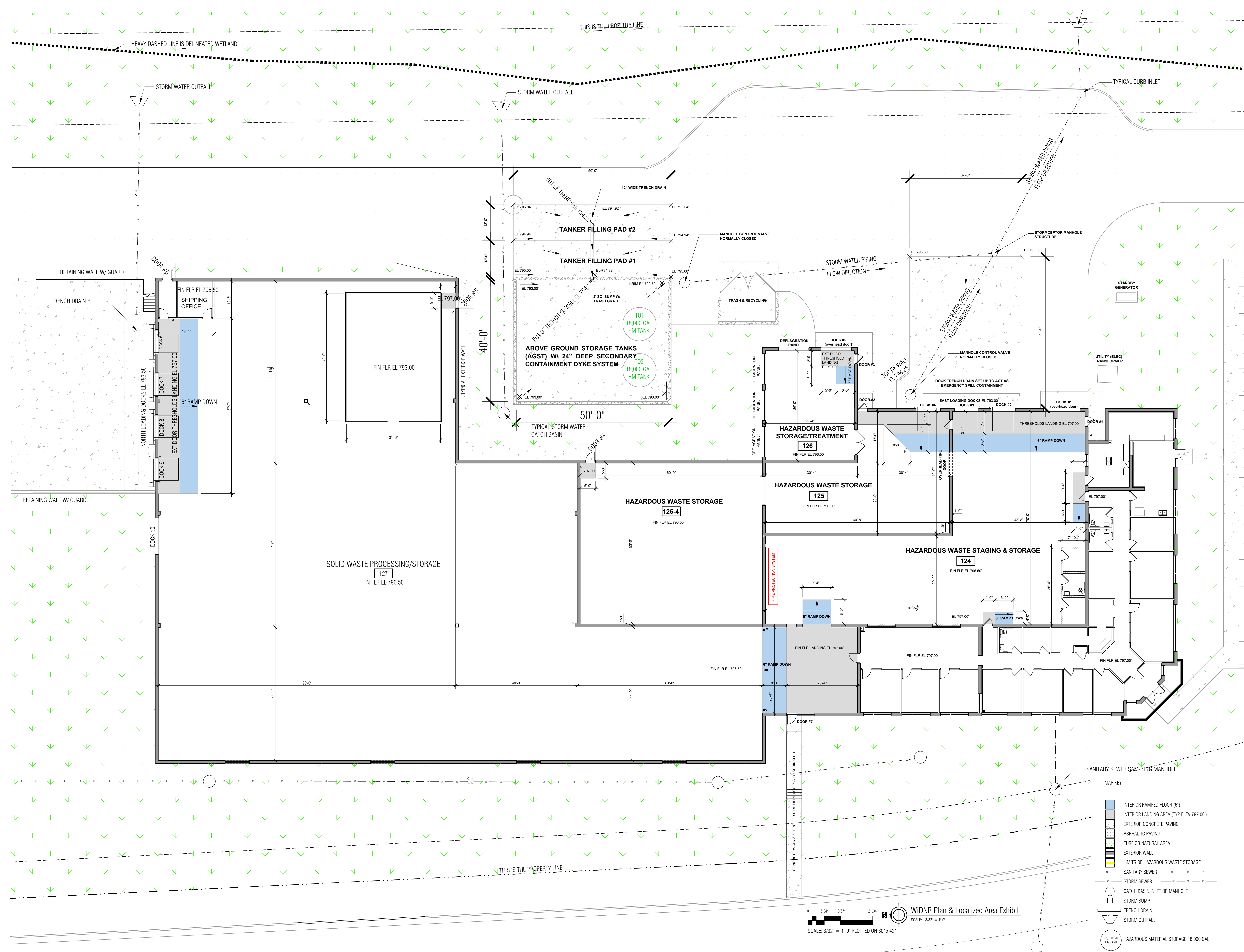


Date	Issue Set

Date: 2022-08-08
 Project No.: 0019-42
 Sheet No.:

G-04

Enviro-Safe Resource Recovery
Appendix G-05 - Secondary Containment Map



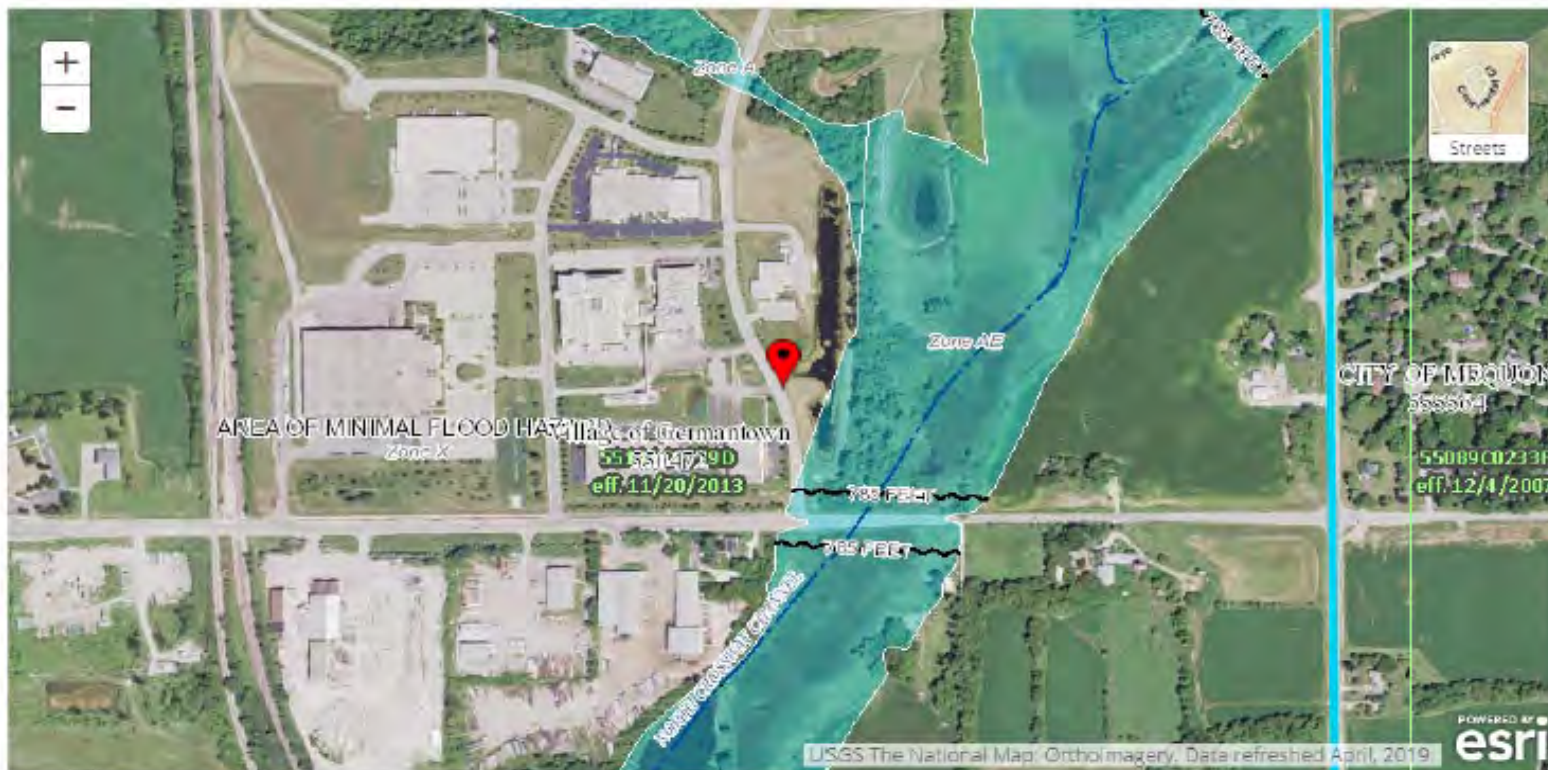
Enviro-Safe Resource Recovery
Appendix G-06 - 100-Year Flood Plain Map

Appendix G-06: 100-Year Flood Plain Map

Date: February 12, 2020

JDV Real Estate Holding, LLC.
 Parcel Number: GTNV_254271 Zoning: M-1 Limited Industrial
 100-Year Floodplain
 February 12, 2020

North



Appendix G-06: 100-Year Flood Plain Map

Date: February 12, 2020

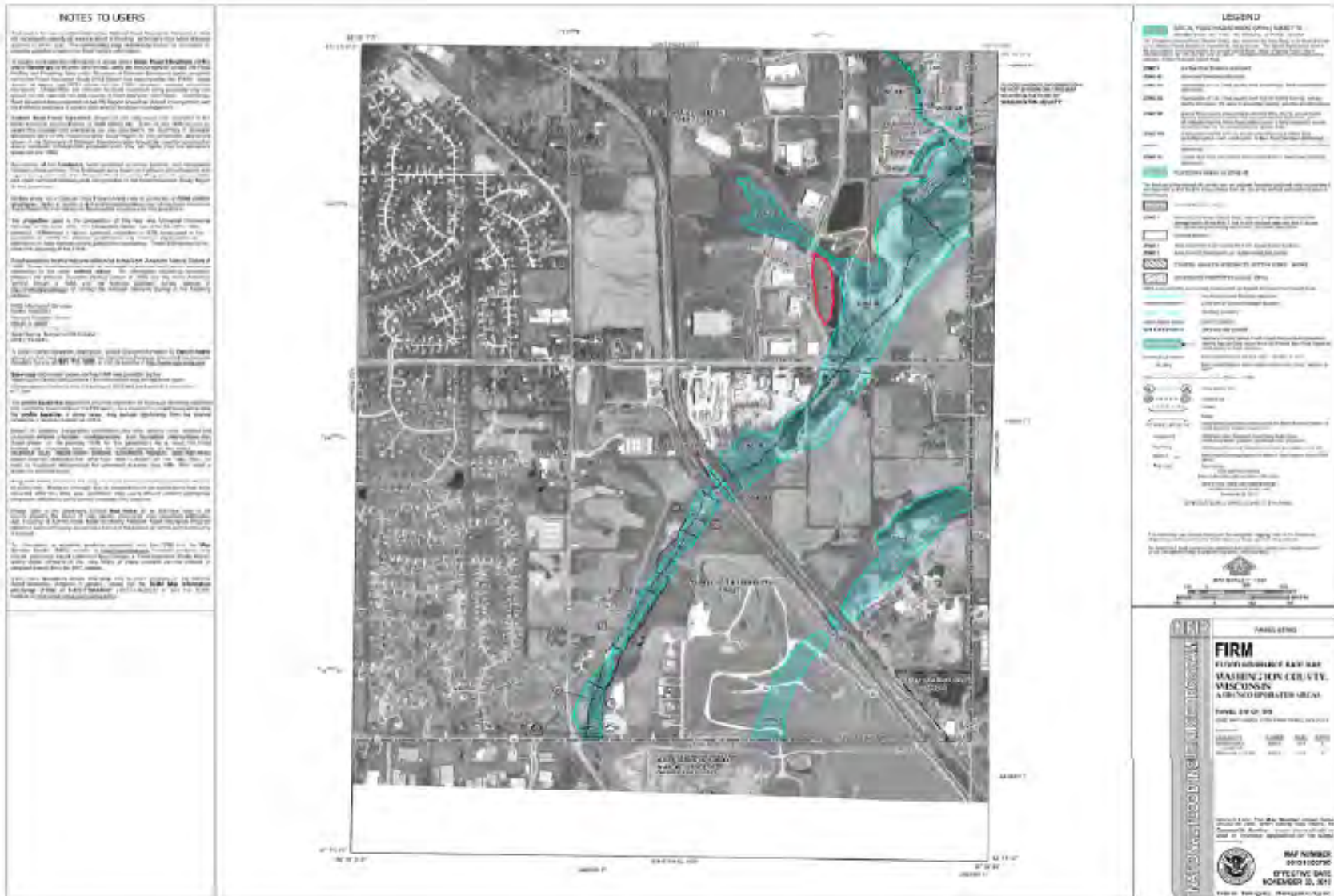
JDV Real Estate Holding, LLC.

Parcel Number: GTNV_254271 Zoning: M-1 Limited Industrial

100-Year Floodplain

February 12, 2020

North



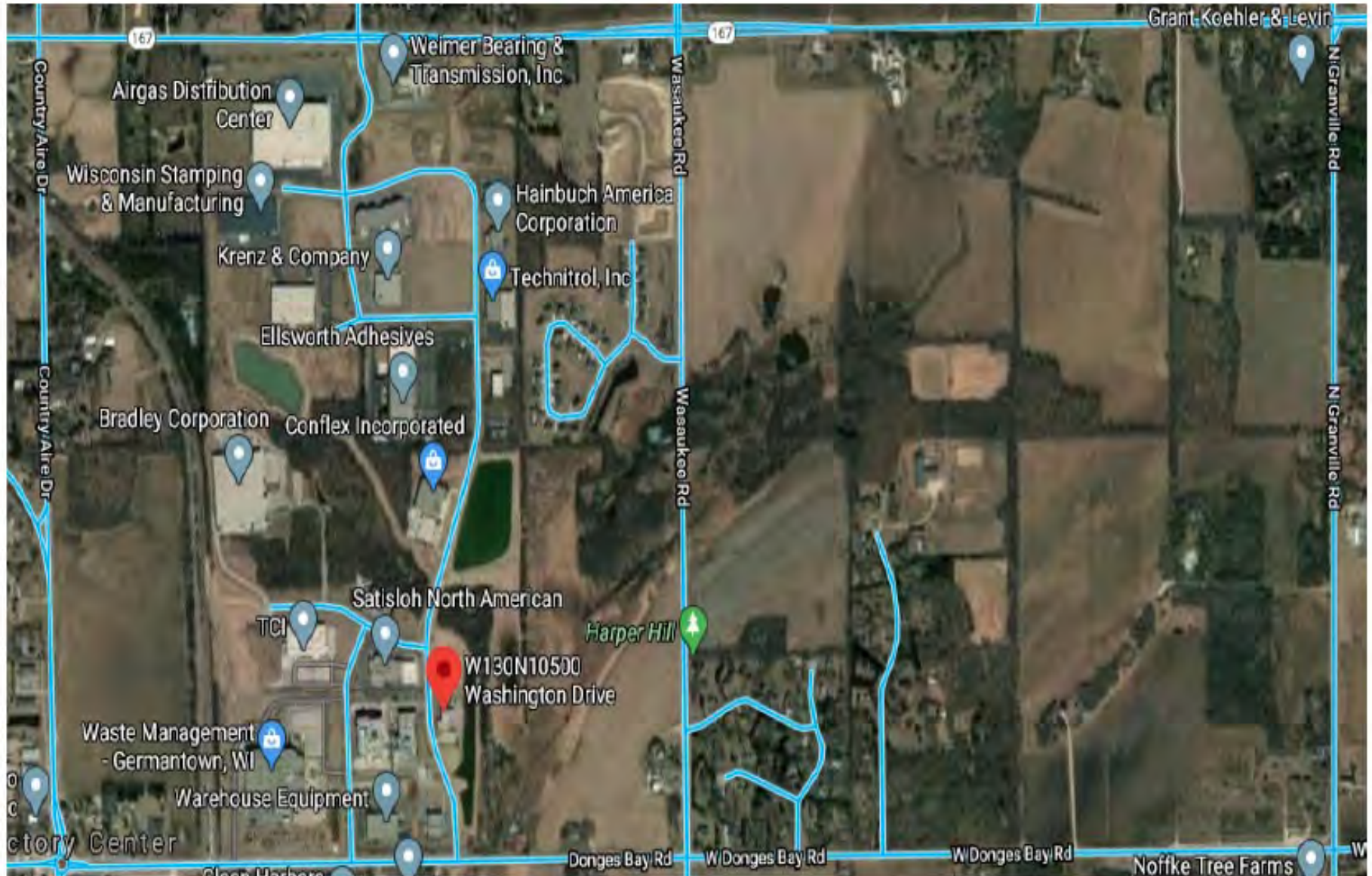
Enviro-Safe Resource Recovery
Appendix G-07 - Local Street and Traffic
Pattern Map

Appendix G-07: Local Street and Traffic Pattern Map

Date: February 10, 2022

ENVIRO-SAFE RESOURCE RECOVERY
LOCAL STREET MAP AND TRAFFIC PATTERN
Goggle Maps (2/10/2020)

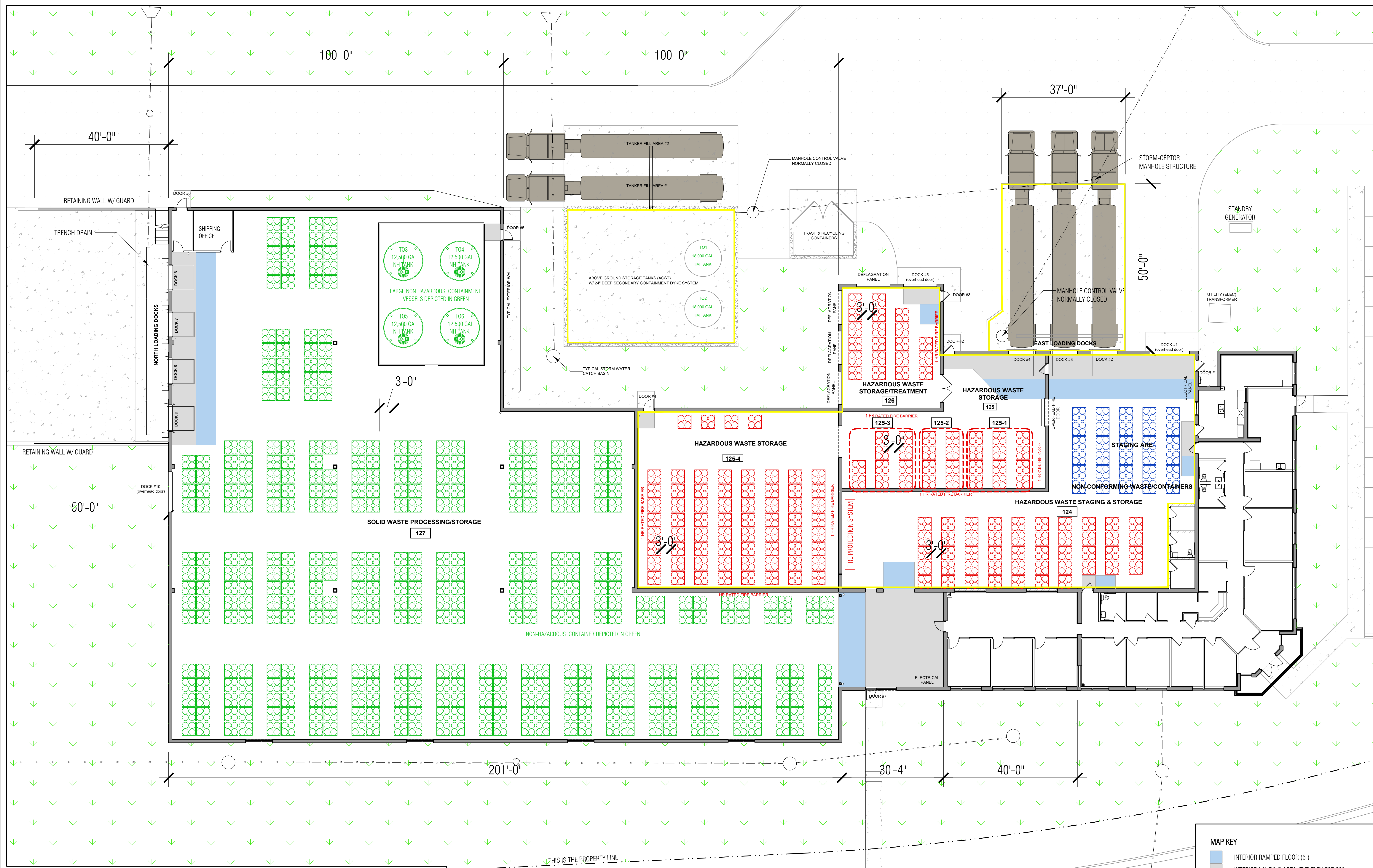
North



**Enviro-Safe Resource Recovery
Appendix G-08 - Container Map**



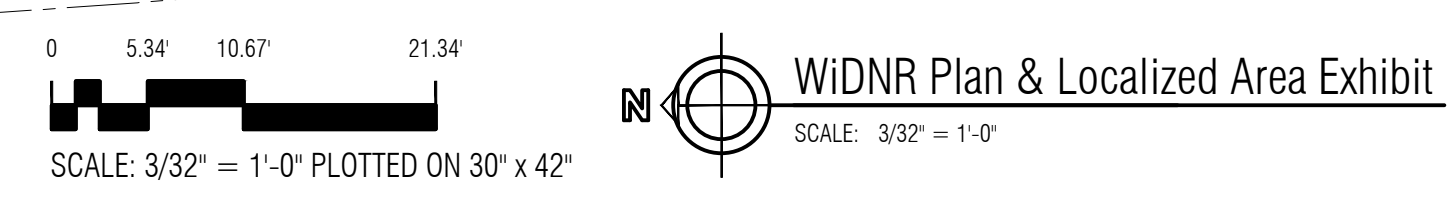
Date:	Issue Set:
Date:	2022-08-08
Project No.:	0019-42
Sheet No.:	



FLOOR AREA AND MAXIMUM STORAGE				
AREA	USE	FLOOR AREA (Square Feet)	Maximum HW Storage Capacity	
			55-Gallon Equiv.	Gallons
RM 124	HW Staging and Storage	4,646	616	33,880
RM 125	HW Storage	5,091	784	43,120
RM 126	HW Storage/Treatment	1,056	160	8,800
East Loading Docks	HW Storage	1,850	N/A	18,000
Tanker Filling Area #1	HW Storage	616	N/A	6,000
Tanker Filling Area #2	HW Storage	616	N/A	6,000
TOTALS		13,810	1,560	115,800

CONTAINER LEGEND	
PICTOGRAM	DESCRIPTION
	HW Storage 48x48 Wood Pallet with 4 Drums or Equivalent Stacked Two High
	Solid Waste Storage 48x48 Wood Pallet with 4 Drums or Equivalent Stacked Two High
	HW Staging 48x48 Wood Pallet with 4 Drums or Equivalent Stacked Two High

(1) All of RM 124 can be used for temporary staging of up to 616 drums (double stacked). The west part of RM 124 can instead be used for licensed storage of up to 376 drums (double stacked) when not needed for staging.
 (2) Room 124 area with red colored pallets and drums can also be used for staging when blue-colored staging area is full.
 (3) Incompatible waste storage to be limited to RMs 125-1 thru 125-4 and RM 126.



MAP KEY

- INTERIOR RAMPED FLOOR (6")
- INTERIOR LANDING AREA (TYP ELEV 797.00')
- EXTERIOR CONCRETE PAVING
- ASPHALTIC PAVING
- TURF OR NATURAL AREA
- EXTERIOR WALL
- LIMITS OF HAZARDOUS WASTE STORAGE
- SANITARY SEWER
- STORM SEWER
- CATCH BASIN INLET OR MANHOLE
- STORM SUMP
- TRENCH DRAIN
- STORM OUTFALL
- 18,000 GAL HM TANK

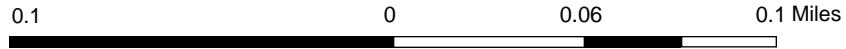
Enviro-Safe Resource Recovery
Appendix G-09 - Surface Water Data Viewer
Map



Surface Water Data Viewer Map



- Legend**
- 24K Hydrography Flow Direction
 - Stream Order**
 - 1st Order
 - 2nd Order
 - 3rd Order
 - 4th Order
 - 5th Order
 - 6th Order
 - 7th Order
 - 8th Order
 - 9th Order
 - Municipality
 - State Boundaries
 - County Boundaries
 - Major Roads**
 - Interstate Highway
 - State Highway
 - US Highway
 - County and Local Roads**
 - County HWY
 - Local Road
 - Railroads
 - Tribal Lands
 - Railroads
 - Rivers and Streams
 - Intermittent Streams
 - Lakes and Open water
 - Index to EN_Image_Basemap_Leaf_Off



NAD_1983_HARN_Wisconsin_TM

1: 3,960

DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. No warranty, expressed or implied, is made regarding accuracy, applicability for a particular use, completeness, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: <http://dnr.wi.gov/legal/>

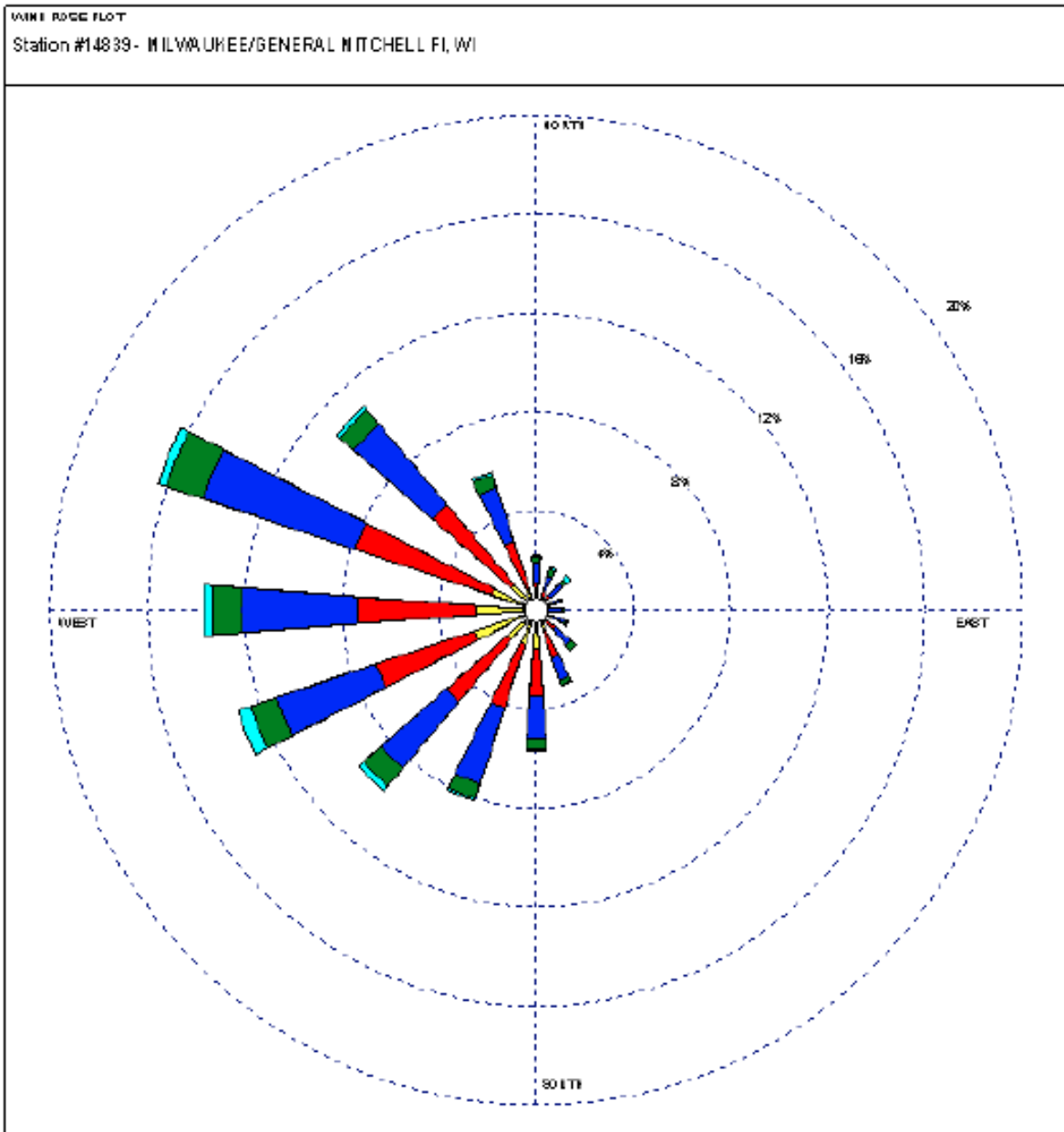
Notes
Enviro-Safe Resource Recovery
W130 N10500 Washington Drive
Germantown, WI 53022

**Enviro-Safe Resource Recovery
Appendix G-10 - Wind Rose Map**

Appendix G-10: Wind Rose Data Map

Date: February 12, 2022

**ENVIRO-SAFE RESOURCE RECOVERY
WIND ROSE MAPS
FEBRUARY 12, 2020**



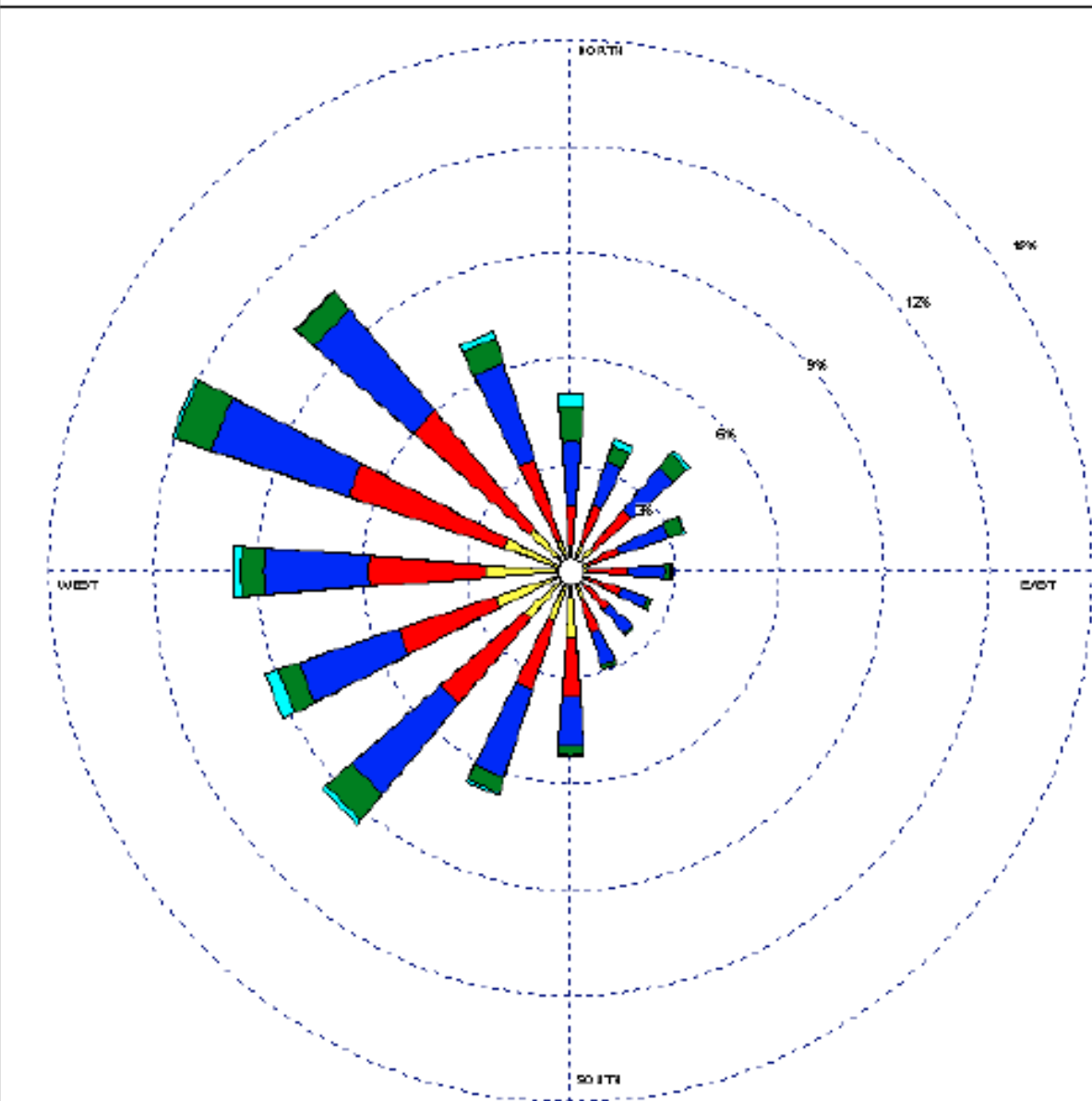
Wind Speed (m/s) 	MODELER	DATE	COMPANY NAME
	3EPLBY Wind Speed	11/02/2002 UNIT m/s	COMMENTS
	AVG. WIND SPEED 3.63 m/s	CALM WINDS 1.58%	
	DIRECTION Direction (blowing from)	PLOT YEAR-DATE-TIME 1961 Jan 1 - Jan 31 Midnight - 11 PM	PROJECT PLOT NO.

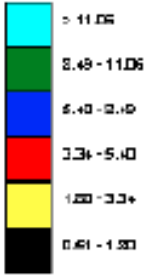
WIND Rose 2.0 by Edwin S. Gossard et al. Software for wind rose analysis and plotting.

ENVIRO-SAFE RESOURCE RECOVERY
WIND ROSE MAPS
FEBRUARY 12, 2020

WIND ROSE PLOT

Station #14839 - MILWAUKEE/GENERAL MITCHELL FL. WI

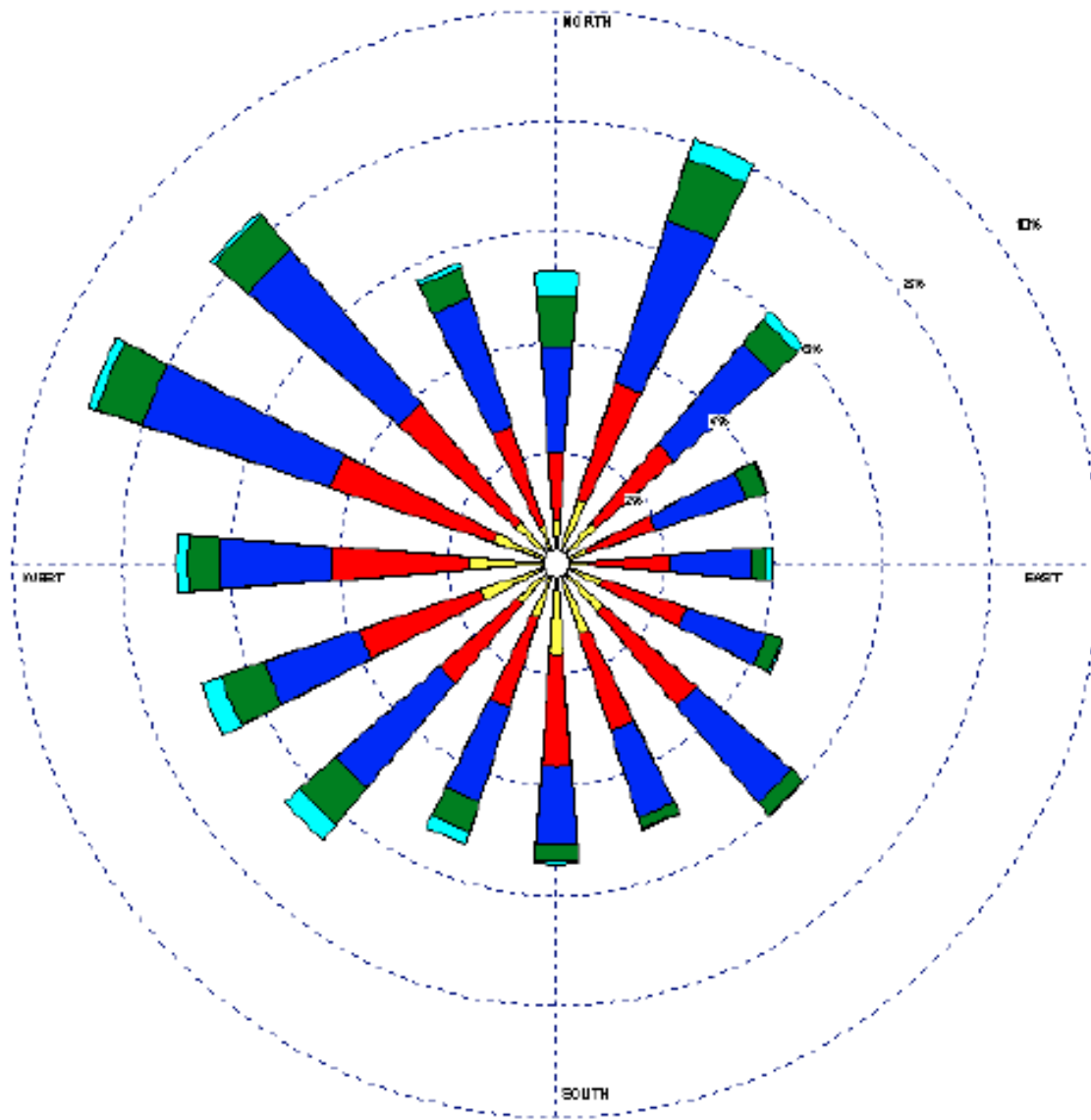


Wind Speed (m/s) 	MODELER	DATE	COMPANY NAME
	INPUT	UNIT	COMMENTS
	AVG. WIND SPEED	CALC WINDS	
	ORIENTATION	PLOT YEAR-DATE-TIME	PROJECT PLOT NO.
	Wind Speed	11/01/2002	
	3.44 m/s	m/s	
	Direction (blowing from)	2.41%	
		1901 Feb 1 - Feb 29 Midnight - 11 PM	

ENVIRO-SAFE RESOURCE RECOVERY
WIND ROSE MAPS
FEBRUARY 12, 2020

WIND ROSE PLOT

Station #14839 - MILWAUKEE/GENERAL MITCHELL FI, WI



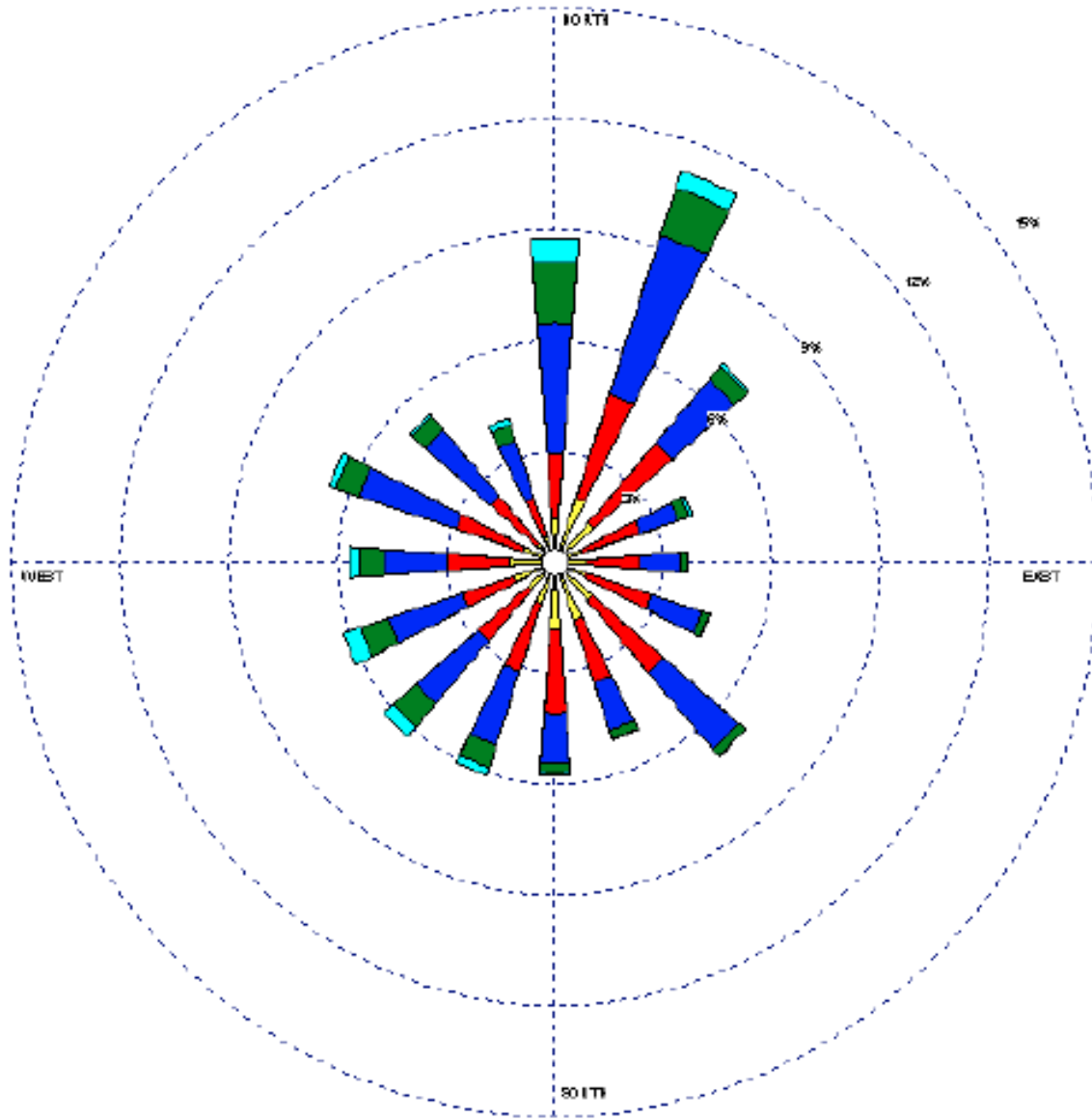
Wind Speed (m/s) 	MODELER	DATE 11/8/2012	COMPANY NAME
	DISPLAY Wind Speed	UNIT m/s	COMMENTS
	Avg. WIND SPEED 5.68 m/s	CALC WINDS 2.61%	
	DIRECTION Direction (blowing from)	PLOT YEAR: DATE/TIME 1961 Mar 1 - Mar 31 Midnight - 11 PM	PROJECT/ PLOT NO.

WSPR 07 - Rev 3.1 by Clark Environmental Services - www.clarkenv.com/bioenv

ENVIRO-SAFE RESOURCE RECOVERY
WIND ROSE MAPS
FEBRUARY 12, 2020

WIND ROSE PLOT

Station #14833 - MILWAUKEE/GENERAL MITCHELL FLD WI

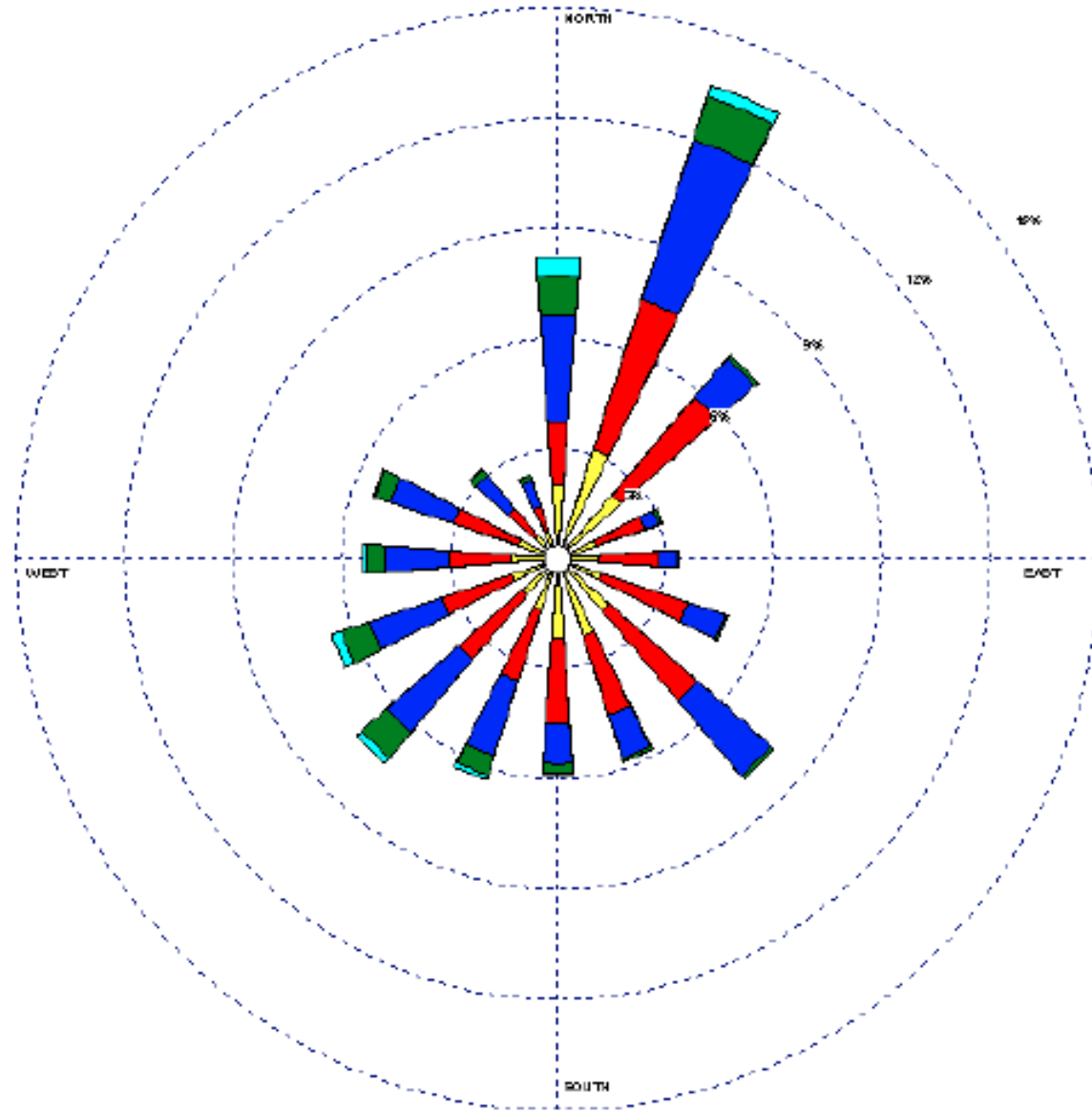


Wind Speed (m/s) 	MODELER	DATE	COMPANY NAME
	DISPLAY	UNIT	COMMENTS
	AVG. WIND SPEED	CALM WINDS	
	ORIENTATION	PLOT YEAR-DATE-TIME	PROJECT/PLOT NO.
	Wind Speed	m/s	
	5.67 m/s	2.95%	
	Direction (blowing from)	1961 Apr 1 - Apr 30 Midnight - 11 PM	

ENVIRO-SAFE RESOURCE RECOVERY
WIND ROSE MAPS
FEBRUARY 12, 2020

WIND ROSE PLOT

Station #14833 - MILWAUKEE/GENERAL MITCHELL FI, WI

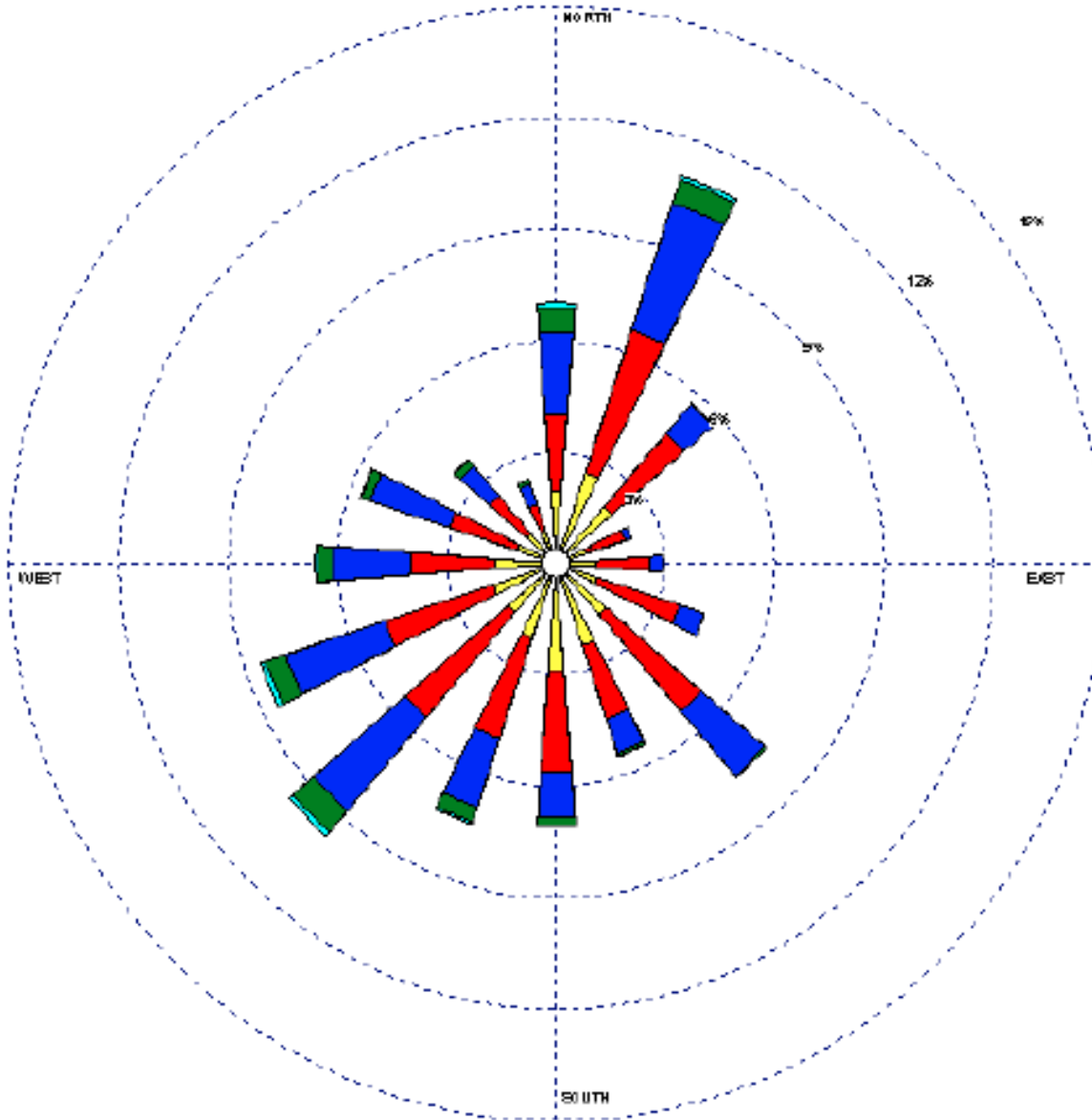


<p>Wind Speed (m/s)</p> <ul style="list-style-type: none"> 11.06 - 15.12 8.46 - 11.06 5.40 - 8.46 3.24 - 5.40 1.80 - 3.24 0.51 - 1.80 	<p>MODELER</p>	<p>DATE</p> <p>11/4/2002</p>	<p>COMPANY NAME</p>	
	<p>DISPLAY</p> <p>Wind Speed</p>	<p>UNIT</p> <p>m/s</p>	<p>COMMENTS</p>	
	<p>Avg. Wind Speed</p> <p>5.07 m/s</p>	<p>% ALLOWED</p> <p>3.06%</p>	<p>PROJECT/PILOT NO.</p>	
	<p>ORIENTATION</p> <p>Direction (blowing from)</p>	<p>PLT YEAR-DATE-TIME</p> <p>1991 May 1 - May 31 Midnight - 11 PM</p>		

ENVIRO-SAFE RESOURCE RECOVERY
 WIND ROSE MAPS
 FEBRUARY 12, 2020

WIND ROSE PLOT

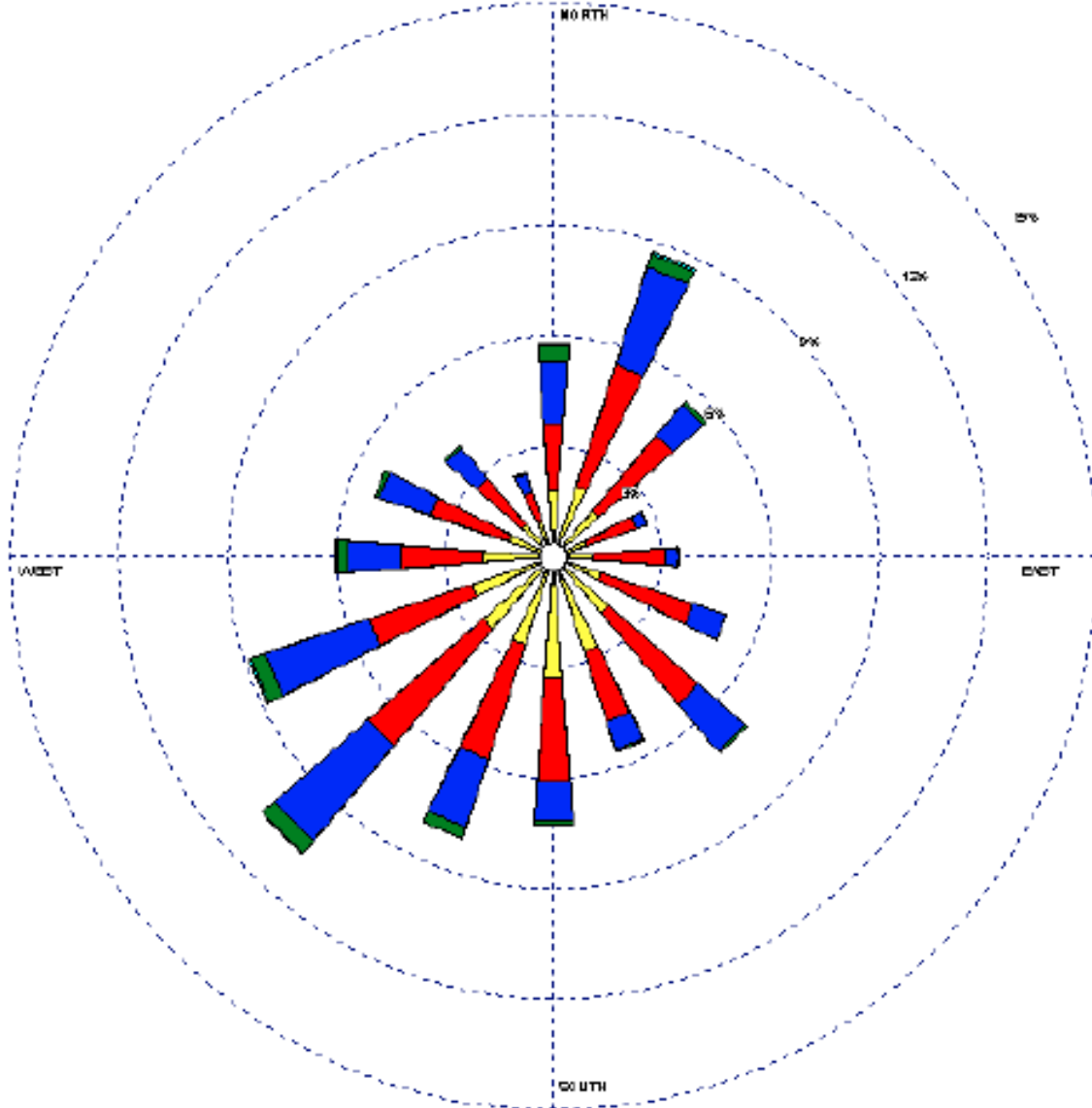
Station #14939 - MILWAUKEE/GENERAL MITCHELL FLD WI



Wind Speed (m/s) 	MODELER	DATE 11/4/2002	COMPANY NAME
	DISPLAY Wind Speed	UNIT m/s	COMMENTS
	Avg. WIND SPEED 4.75 m/s	CALM WIND 2.72%	
	CURTAIN # Direction (blowing from)	PLOT YEAR - DATE/TIME 1961 Jun 1 - Jun 30 Midnight - 11 PM	PROJECT/PLOT NO.

ENVIRO-SAFE RESOURCE RECOVERY
 WIND ROSE MAPS
 FEBRUARY 12, 2020

WIND ROSE PLOT
 Station #14839 - MILWAUKEE/GENERAL MITCHELL FI, WI

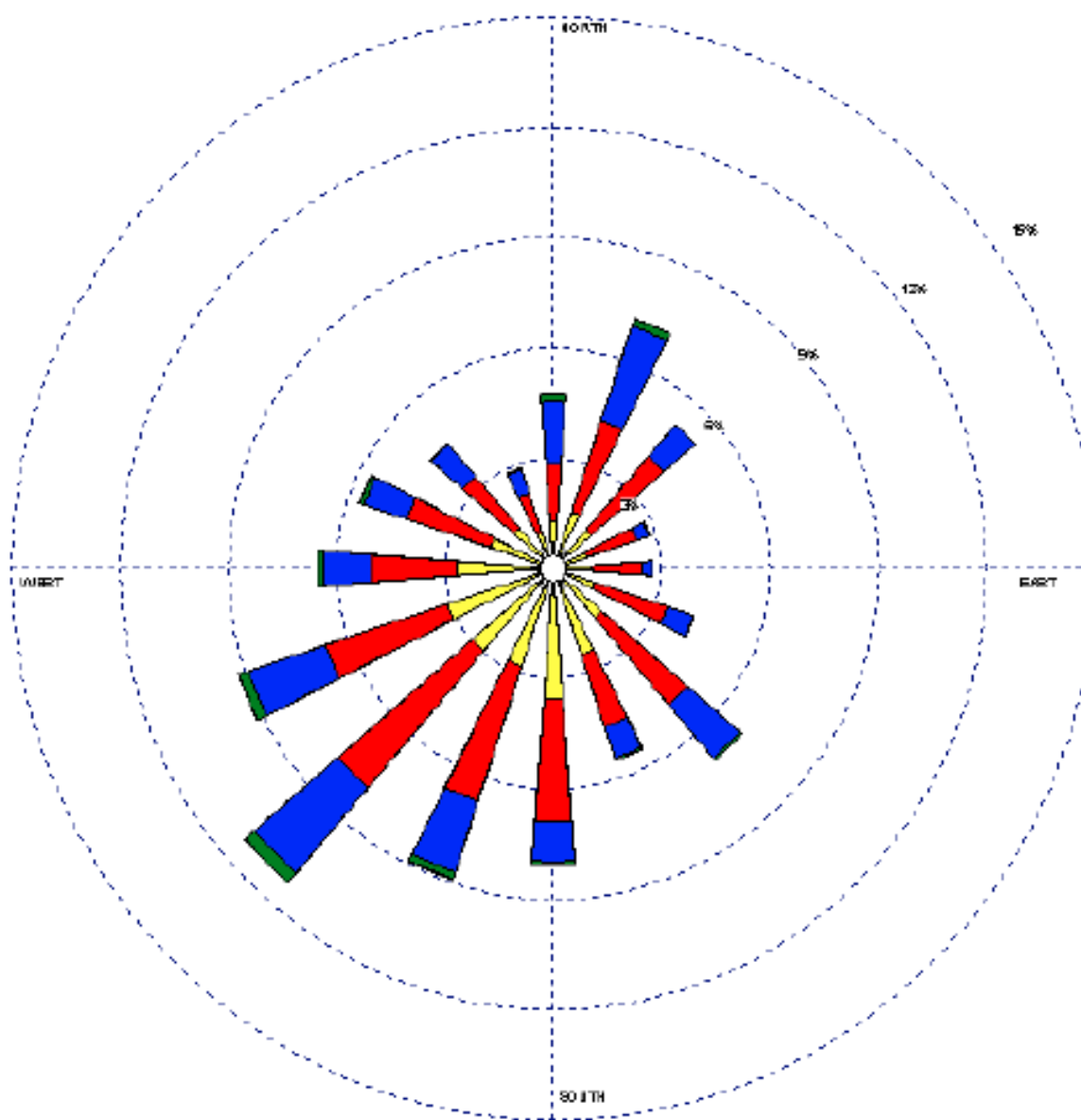


Wind Speed (m/s) 	MOFELER	DATE 11/4/2002	COMPANY NAME
	DISPLAY Wind Speed	UNIT m/s	COMMENTS
	AVG. WIND SPEED 4.48 m/s	DAILY WINDS 3.57%	
	ORIENTATIO Direction (blowing from)	PLOT YEAR-EXTENT 1961 Jul 1 - Jul 31 Midnight - 11 PM	PROJECT/PLOT NO.

ENVIRO-SAFE RESOURCE RECOVERY
 WIND ROSE MAPS
 FEBRUARY 12, 2020

WIND ROSE PLOT

Station #148 99 - MILWAUKEE/GENERAL MITCHELL FI, WI

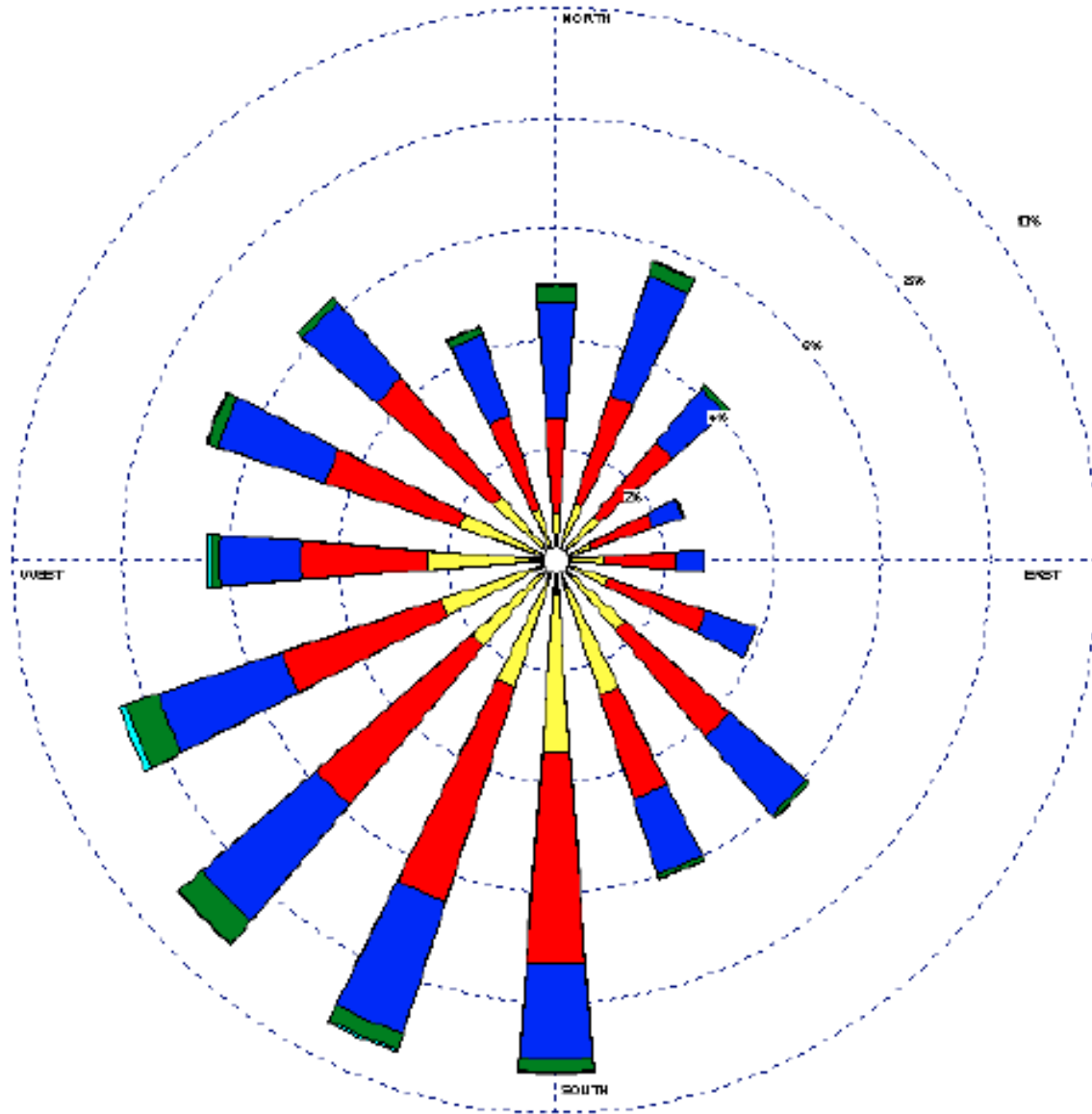


Wind Speed (m/s) 	MODELER	DATE	COMPANY NAME
	INSPIRY	11.8/2002	
	Wind Speed	UNIT	COMMENTS
	AVG. WIND SPEED	m/s	
RESTRICTED	AVG. WIND SPEED	CALM WINDS	
Direction (blowing from)	4.35 m/s	3.73%	
	PLOT YEAR-DATE-TIME	PROJECT/PLT NO.	
	1961 Aug 1 - Aug 31 Midnight - 11 PM		

WPC 2.0 rev 2.0 by Gates Environmental Services - www.gatesenv.com

ENVIRO-SAFE RESOURCE RECOVERY
 WIND ROSE MAPS
 FEBRUARY 12, 2020

WIND ROSE PLOT
 Station #14039 - MILWAUKEE/GENERAL MITCHELL FLD, WI

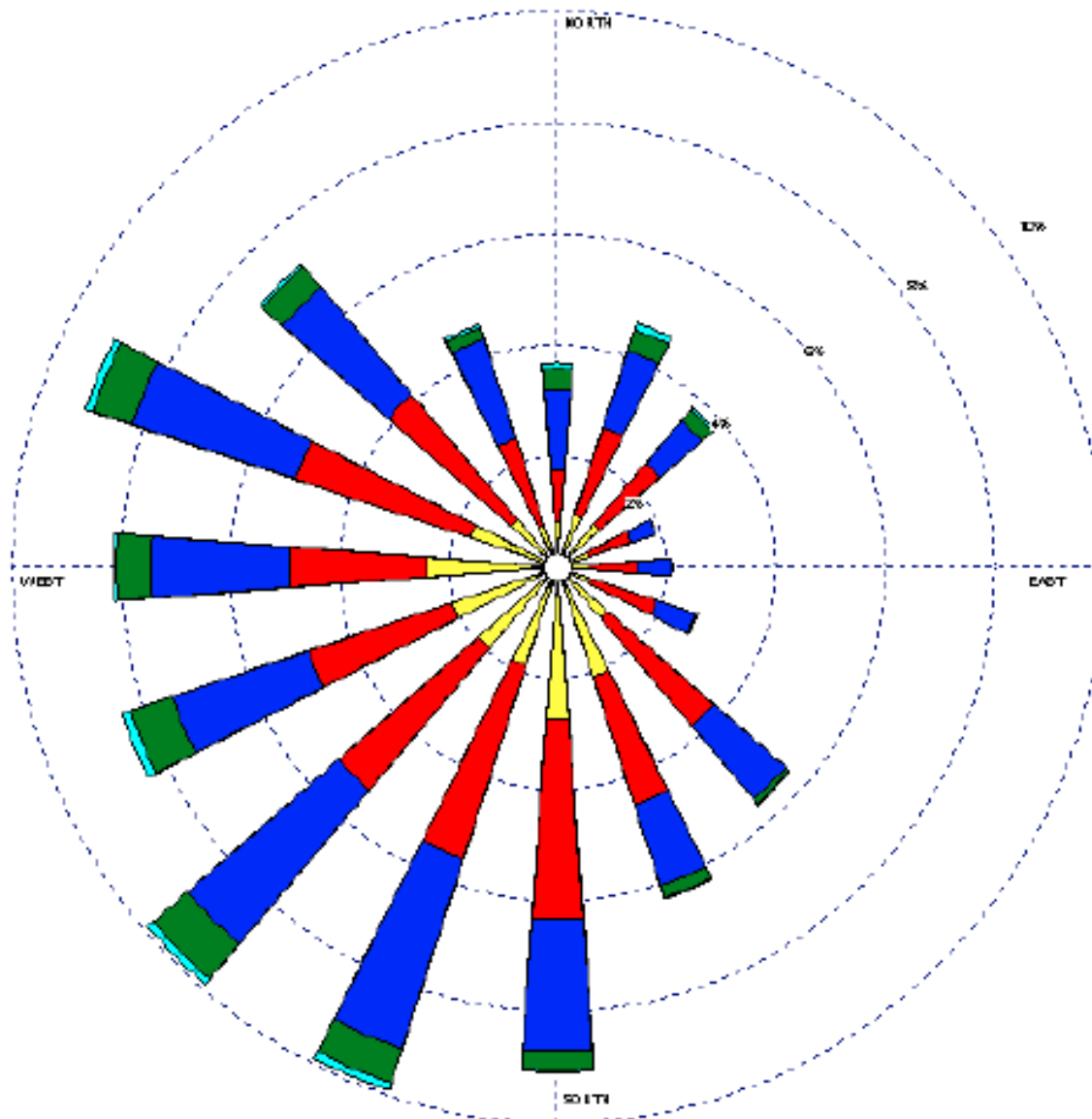


Wind Speed (m/s) 	MODELER 	DATE 11/4/2002	COMPANY NAME
	DISPLAY Wind Speed	UNIT m/s	COMMENT
	AVERAGE WIND SPEED 4.68 m/s	CALC NUMBER 3.50%	
	DIRECTION Direction (blowing from)	PLOT YEAR-DATE-TIME 1961 Sep 1 - Sep 30 Midnight - 11 PM	PROJECT/PLT NO.

ENVIRO-SAFE RESOURCE RECOVERY
 WIND ROSE MAPS
 FEBRUARY 12, 2020

WIND ROSE PLOT

Station #14833 - MILWAUKEE/GENERAL MITCHELL FI, WI

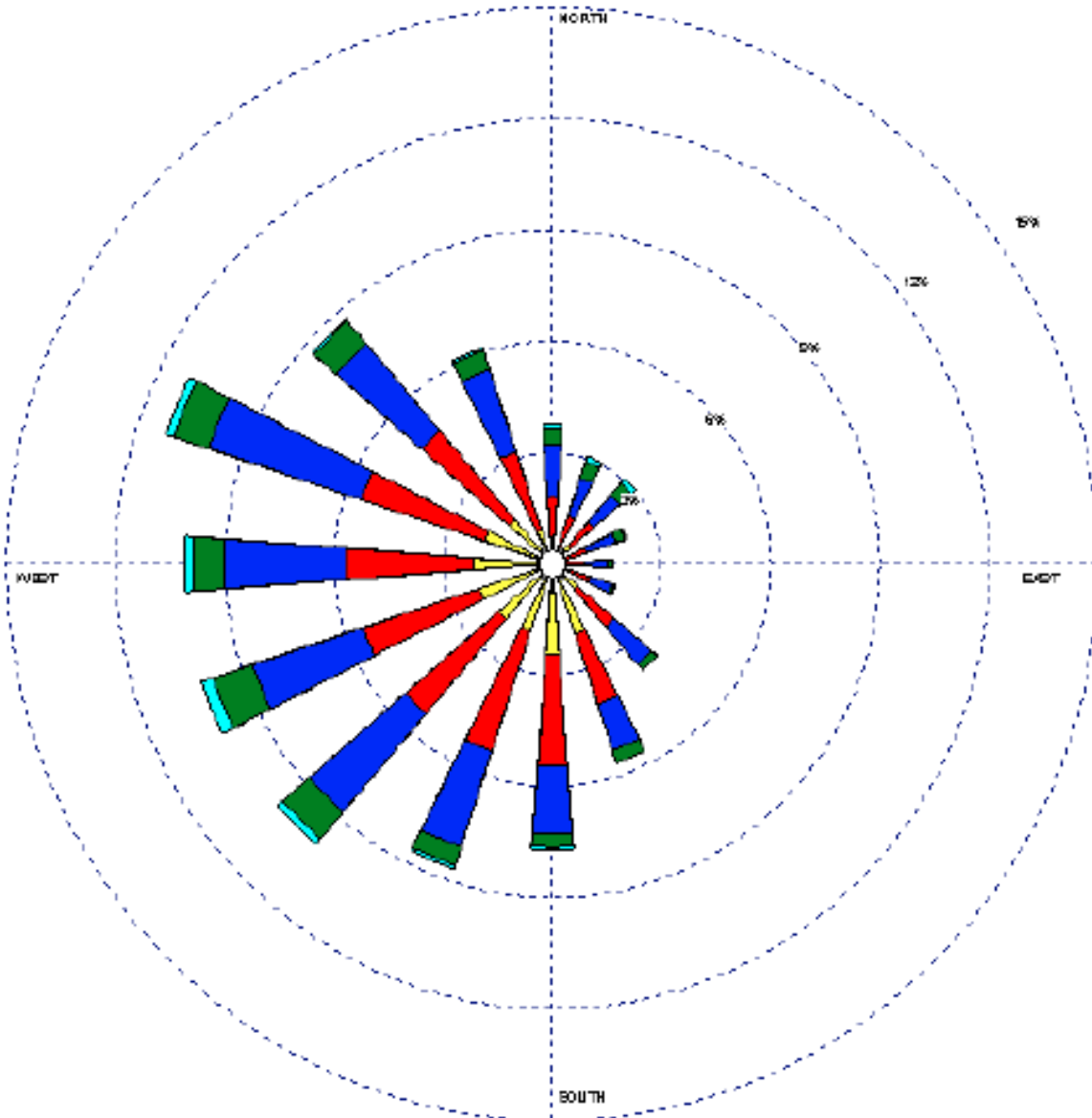


Wind Speed (m/s) 	MODELER 	DATE 11/4/2002	COMPANY NAME
	DISPLAY Wind Speed	UNIT m/s	COMMENTS
	AVG. WIND SPEED 5.11 m/s	CALM PERCENT 2.88%	
	RESTRICTION Direction (blowing from)	PLOT TIME PERIOD 1961 Oct 1 - Oct 31 Midnight - 11 PM	PROJECT/PLOT NO.

ENVIRO-SAFE RESOURCE RECOVERY
WIND ROSE MAPS
FEBRUARY 12, 2020

WIND ROSE PLOT

Station #14839 - MILWAUKEE/GENERAL MITCHELL FI, WI

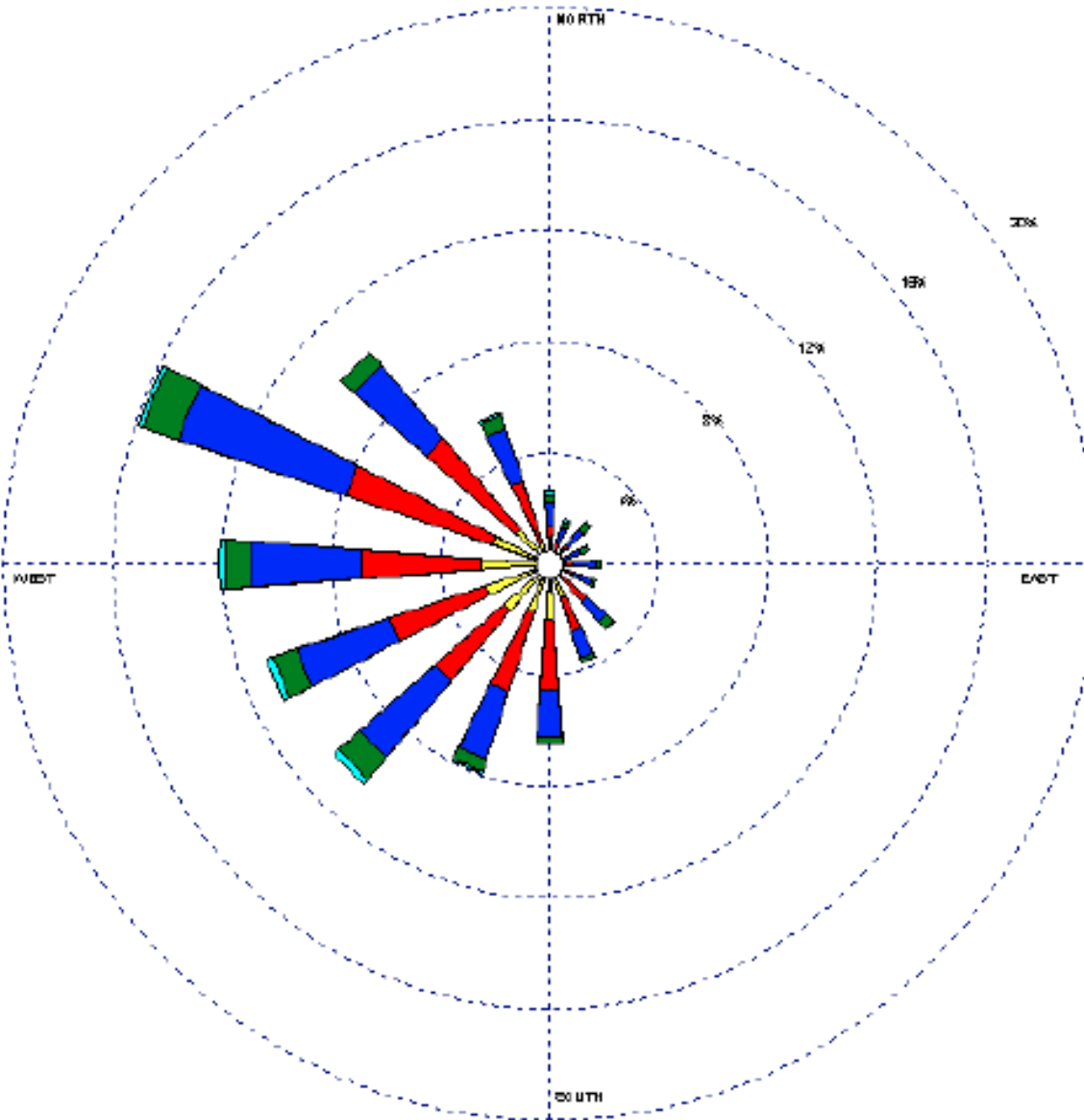


Wind Speed (m/s) 	MODELER	DATE 11/01/2002	COMPANY NAME
	DISPLAY Wind Speed	UNIT m/s	COMMENTS
	AVG. WIND SPEED 5.83 m/s	CALC WINDS 2.33%	
	ORIENTATION Direction (blowing from)	PLT YEAR-DATE-TIME 1961 Nov 1 - Nov 30 Midnight - 11 PM	PROJECT/PLT NO.

ENVIRO-SAFE RESOURCE RECOVERY
 WIND ROSE MAPS
 FEBRUARY 12, 2020

WIND ROSE PLOT

Station #14839 - M L YW UKEE/GENERAL MITCHELL FI, WI



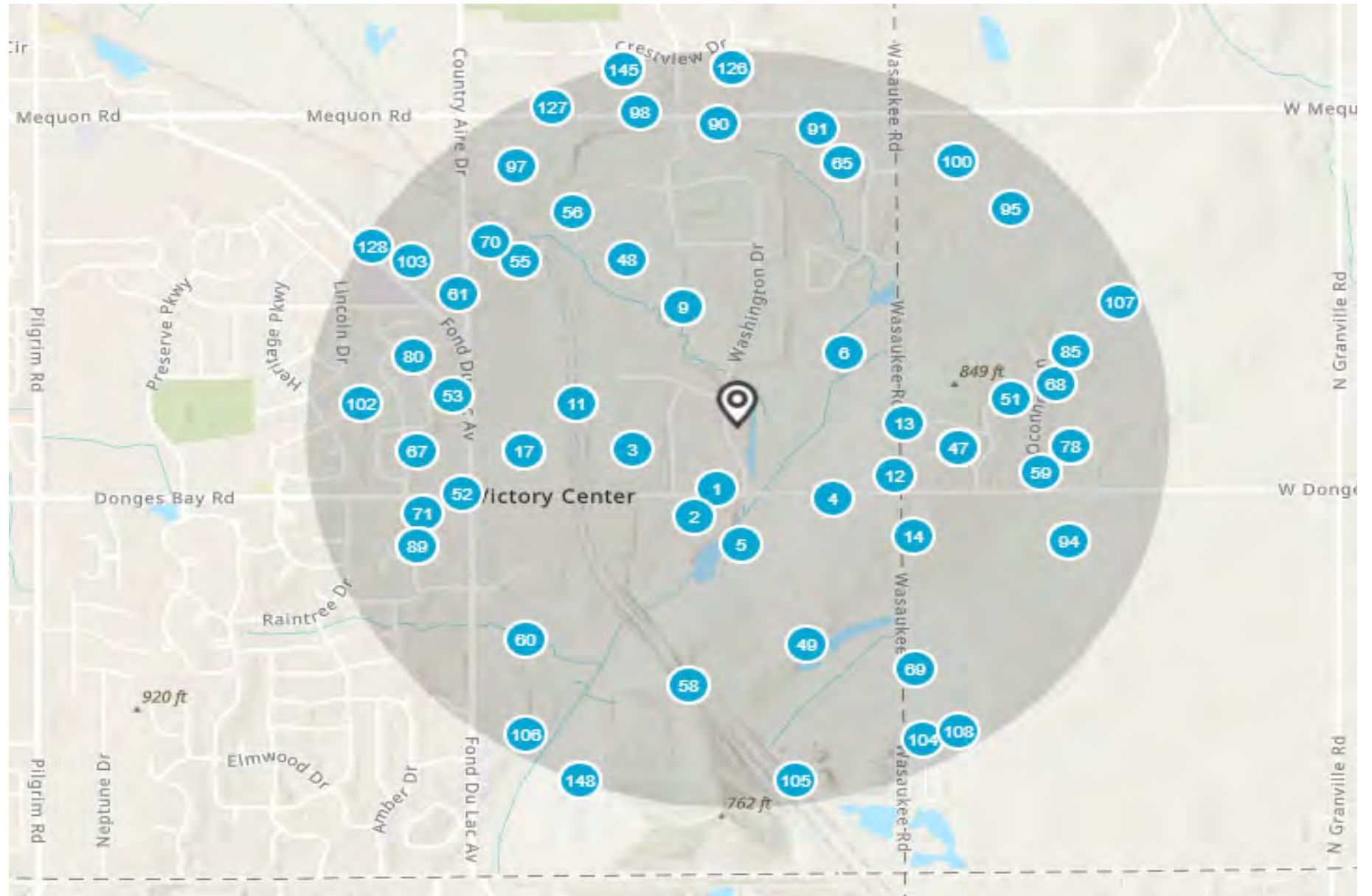
Wind Speed (m/s) 	MODELER	DATE	COMPANY NAME
	DISPLAY	UNIT	COMMENTS
	AVG. WIND SPEED	CALM WINDS	
	DIRECTION	PLOT YEAR-DATE-TIME	PROJECT/PLT NO.
	Wind Speed	11/4/2002	
	Wind Speed	m/s	
	5.38 m/s	1.95%	
	Direction (blowing from)	1961 Dec 1 - Dec 31 Midnight - 11 PM	

**Enviro-Safe Resource Recovery
Appendix G-11 - WDNR Injection and
Withdrawal Well Map**

Appendix G-11: WDNR Injection and Withdrawal Well Map

Date: March 25, 2022

Information derived from the online WDNR Well Construction Report Information System.



APPENDIX H: WASTE ANALYSIS PLAN

Enviro-Safe Resource Recovery Waste Analysis Plan (WAP)

LAST REVISED: OCTOBER 21, 2022

Contents

1.0 General Overview4

 1.1 Definitions.....5

 1.2 Facility Activities8

2.0 Waste Prequalification.....9

3.0 Waste Analysis9

 3.1 Waste Information Profile (WIP).....10

 3.2 Determination of Outbound Designated Facility13

4.0 Acceptable Waste Codes.....13

5.0 Shipment Screening, Analysis, and Acceptance.....13

 5.1 Level I Analysis16

 5.2 Level II Analysis18

 5.3 Level III Analysis19

 5.4 Annual Analysis and Discrepancy Report.....20

 5.5 Final Acceptance and Placement of Waste in Storage.....21

6.0 Consolidating Wastes.....21

 6.1 Compatibility Testing for Consolidated Waste22

 6.2 Lab Packs.....22

 6.3 Containers and Tanks.....22

 6.4 Documentation22

7.0 Treatment23

 7.1 Fuel Blending for Energy Recovery for Boilers and Industrial Furnaces23

8.0 Restricted Wastes28

9.0 Manifest and Bill of Lading Discrepancies28

10.0 WIP Discrepancies.....29

11.0 Rejection of Inbound Hazardous Waste.....30

12.0 Outbound Hazardous Wastes Shipments.....30

13.0 Waste Sampling31

 13.1 Sampling Methods31

 13.2 Sampling Personnel31

 13.3 Sample Documentation31

 13.4 Sample Labels32

14.0 Parameters and Rationale32

15.0 Test Methods.....	34
16.0 Quality Assurance and Quality Control	38
16.1 Sampling Program.....	38
16.2 Analytical Program.....	38
16.4 Training	38
16.5 Conclusion.....	39
17.0 Recordkeeping and Reporting	39
18.0 Corrective Action	40
19.0 Appendices	40
Appendix A: Waste Information Profile (WIP) Form.....	41
Appendix B: Lab Pack Contents Form	42
Appendix C: Standard Operating Procedures for Opening and Sampling Containers	43
Appendix D: Bulk Consolidation Tracking Sheet	44
Appendix E: (Reserved).....	45
Appendix F: Level I QA/QC Form	46
Appendix G: Level II/III QA/QC Form	47
Appendix H: Minimum WIP Contents.....	48
Appendix I: Laboratory QA/QC Plan	51
Appendix J: Part A Waste Codes	52
Referenced in Appendix C – Part A Application Package.....	52

1.0 General Overview

Pursuant to s. NR 670.014(2)(c) Wis. Adm. Code, Enviro-Safe Resource Recovery (facility) must develop and follow a Waste Analysis Plan (WAP) that meets the requirements of s. NR 664.0013, Wis. Adm. Code. This WAP establishes procedures for the following:

1. Store, treat, and dispose of each waste container properly and safely.
2. Identify the procedures used for obtaining a waste analysis of each waste container prior to its acceptance at the facility.
3. The frequency at which analysis of waste occurs to ensure that waste is characterized accurately.
4. Upon waste container receipt, procedures to confirm that:
 - a. The contents conform to the approved waste characterization.
 - b. The wastes and containers match the shipping documents (e.g., manifest) and Land Disposal Restriction (LDR) paperwork.
 - c. Containers are in proper condition and properly labelled.
5. Procedures for handling discrepancies and rejected shipments.
6. When the facility needs to conduct an analysis of the waste.
7. The methods used to obtain a representative sampled
8. The parameters for which each waste is analyzed and the rationale for selecting these parameters.
9. The test methods used to test for each parameter.
10. A quality assurance/quality control (QA/QC) program for waste sampling and analysis, along with a corrective action program.
11. Procedures to perform the waste determination and characterization for wastes shipped to other facilities.
12. Procedures to comply with the manifesting requirements for inbound and outbound shipments.
13. Procedures to comply with LDR requirements for inbound and outbound shipments.
14. Recordkeeping and reporting procedures associated with these activities.

The facility uses competent individuals as defined in section 1.1 Definitions of this WAP in all aspects in the implementation this WAP. Required qualifications and training for these individuals are established in the training program required by s. NR 664.0016, Wis. Adm. Code.

Section NR 662.011, Wis. Adm. Code, requires Wisconsin generators to make an accurate waste determination. This WAP helps the facility use this information to safely handle the wastes it receives and assists the facility's customers in achieving compliance.

Emphasis is placed upon obtaining accurate information about the chemical and physical makeup of each waste received by the facility. This information, which is to be detailed in a Waste Information Profile (WIP) is maintained as part of the facility record and is based on analytical testing of a representative sample of the waste using a laboratory certified or registered under ch. NR 149, and/or is a knowledge-based determination that meets the "acceptable knowledge" criteria as defined in section 1.1 Definitions of this WAP.

The facility accepts waste in a variety of container configurations such as "containerized waste", "bulk container waste", "bulk or consolidation packs", and "lab packs". These terms are defined in section 1.1 Definitions. The facility also accepts wastes in a variety of physical forms, including for example liquids, sludges, solids, layered (or multi-phased), and compressed gases. In addition

to hazardous wastes regulated under Resource Conservation and Recovery Act (RCRA) and similarly under chs. NR 660-673, Wis. Adm. Code, the facility also accepts nonhazardous waste. These wastes may also be subject to additional regulatory requirements such as the Toxic Substances Control Act (TSCA) and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) also known as Superfund, as well as Chs. NR 500-544, Wis. Adm. Code.

1.1 Definitions

For the purposes of this WAP the facility uses the following definitions.

“Accept” or “Acceptance” means the time when waste screening is complete and the facility signs line 20 of the manifest.

“Acceptable Knowledge” means knowledge-based determinations that are based on relevant and reliable (i.e., verifiable) information from any source that indicates that the waste is either a hazardous waste or non-hazardous waste under subchapter C and D of chapter NR 661 Wis. Adm. Code; which hazardous waste codes(s) apply; and which exclusions or restrictions pertain to management of the waste. Acceptable knowledge may include any of the following: process knowledge, which describes information about chemical feedstocks and other inputs to the production process; knowledge of products, by-products, and intermediates produced by the manufacturing process; chemical or physical characterization of wastes; information on the chemical and physical properties of the chemicals used or produced by the process or otherwise contained in the waste; testing that illustrates the properties of the waste; or other reliable and relevant information about the properties of the waste or its constituents. Such information must be organized or presented in a logical way that illustrates how it supports the generator’s conclusions. The information and documentation comprising acceptable knowledge needs to be accurate and complete in order to correctly identify the waste. The facility objectively reviews the information provided by the generator. Therefore, the facility explains in its WAP how the facility determines that generator’s knowledge-based determination is valid; This includes but is not limited to finding proper support for numbers that are used in knowledge-based determinations (e.g., pH 3 to 5, flashpoint greater than 140, lead concentration less than 5 mg/l), and whether the information provided by the generator demonstrates the generator’s competence in complying with the determination requirements of s. NR 661.011(4) and (5) Wis. Adm. Code, and the information requirements of s. NR 661.011(6) Wis. Adm. Code.

“Bulk Container Waste” or “Bulk Waste” or “Bulk Load” means waste that is received and shipped in large containers, such as Intermediate Bulk Container (IBC (also known as totes)) as defined at 49 CFR 171.8, tanker trucks, roll-off containers, and lugger boxes.

“Bulk Container” means a container that holds Bulk Container Waste.

“Bulk or Consolidation Packs” means containers that hold smaller containers of one type of material (e.g., paints, lamps). Each bulk or consolidation pack container is prepackaged in accordance with applicable U.S. DOT regulations. Examples of wastes delivered in this way include spent batteries, palletized boxes of ODM/OEM chemicals that have been shipped in the original manufactures approved outer containers.

“Consolidation” or **“Commingling”** or **“Bulking”** means the act of combining the contents of one container or tank with the contents of another container or tank, such that they are in contact with each other. Lab-packing/repacking does not constitute consolidation.

“Competent Individual” means a person by way of training and/or experience, is knowledgeable of applicable standards, is of sound mind and body, and is capable of identifying workplace hazards and environmental risks relating to the specific operations and has the authority to correct them.

“Container” per s. NR 660.10(14) Wis. Adm. Code means any portable device in which a material is stored, transported, treated, disposed of or otherwise handled (e.g., sacks, flasks, pails, bags, boxes, gas cylinders, drums, IBCs, cubic-yard boxes and bags, and tanker trucks).

“Discrepancy” For Level I, II, and III analyses, “discrepancy” means a difference between the waste received at the facility when compared to its WIP, the manifest or bill of lading, and the LDR document (if applicable). Examples of discrepancies include all of the following:

- The container differs from the information provided on the manifest or shipping paper.
- The waste is a different waste stream than the waste described in the WIP.
- The waste codes in the WIP, manifest, and LDR document do not align.

“Facility” means Enviro-Safe Resource Recovery (Enviro-Safe), W130N10500 Washington Drive, WI 53022, WIR000142877

“Fingerprint Analysis” means the sampling and analysis of several key chemical and physical parameters of a waste to substantiate or verify the composition of a waste as determined previously during a full-scale waste characterization/determination. Fingerprint analysis is typically used by the facility to expedite screening of received wastes. Parameters for analysis may be a subset of the parameters used during full-scale characterization, or they may be parameters that are not normally present in the waste to verify the absence of certain constituents.

“Fuel Blending” means combining compatible hazardous wastes with other compatible materials that also possess substantial heat value (e.g., used oil, spent solvent) to create a waste that is amendable to burning for energy recovery. Fuel blending is hazardous waste treatment that requires a license.

“Lab Pack” means an over-packed container, usually a steel, fiber, or polyethylene drum, containing a variety of small containers of chemicals of the same DOT hazard class packed in nonbiodegradable absorbent materials. Each lab pack container is prepackaged in accordance with applicable U.S. DOT regulations that are based on compatibility, content, and size of individual samples. An inventory-packing list accompanies each lab pack container and identifies, among other things, the content, quantity, and size of each container within the lab pack, and applicable hazardous waste code(s).

“Lab-packing/Repacking” means when small containers of hazardous waste are placed into a larger container while remaining in the original smaller container, with the intention to not allow the waste contents to mix.

“Licensed RCRA Unit” or **“Licensed Unit”** means a unit that has a hazardous waste license number assigned to it and meets the definition of “hazardous waste management unit” in s. NR 66110(54) Wis. Adm. Code. Examples include:

- Container storage areas. Note: A container alone does not constitute a unit; the unit includes containers and the land or pad upon which they are placed (see s. NR 660.10(54), Wis. Adm. Code).
- Tanks and associated piping and underlying containment systems.
- Landfills.
- Miscellaneous units.

“Manufactured Article” means a device this is designed for a purpose other than to access the chemicals that are present within the device. As examples, one uses these articles for electrical energy (batteries), light (lamps) or to measure temperature (thermometers). One does not use these articles to access the mercury, lead, or other chemicals contained in these articles.

“Processing” or **“Process”** means when the contents of a container or tank are added to a different container or tank or combined with other wastes or materials or are otherwise treated in a manner not requiring a hazardous waste license. The following are examples of license-exempt processing activities:

- Consolidation or commingling or bulking
- Lab-packing, depacking, and re-packing
- Elementary neutralization
- Wastewater Treatment Unit treatment
- Qualifying treatability studies

Proper processing requires that wastes are only combined or comingled when compatible with the container and the other wastes or materials.

“Receive” or **“Receipt”** means the time when a waste delivery enters the facility property.

“Repackaging” or **“Recontainerization”** occurs when the contents one a container are moved to another container without mixing with another waste. This includes placement of a container into an overpack container.

“Shipment” means a container or containers of a single waste stream that is delivered in the same transportation vehicle.

“Trans-ship” means a waste that have been accepted into the facility and is then shipped to an off-site facility; the waste remains in its original container and the waste does not undergo any type of treatment or processing.

“Waste Information Profile (WIP)” means written documentation for a specific waste stream that is intended to contain all the information which must be known by the facility to properly process, treat, store, and/or transship the waste according to this chs. NR 664 and NR 668, Wis. Adm. Code.

“**Waste Analysis**” means waste information gathered from analytical testing of representative samples and from knowledge-based determinations.

“**Waste Stream**” means a single type of solid waste or hazardous waste from a single generator.

1.2 Facility Activities

Storage:

The following is a list of licensed container storage areas:

- RM 124
- RM 125
- RM 126
- East Loading Docks
- Tanker Fill Area #1
- Tanker Fill Area #2

Processing:

The following is a list of hazardous waste processing activities and areas:

- RM 124:
 - Lab Packing/Depacking
 - Decanting/bulking
 - Consolidation into containers
- RM 125:
 - Lab Packing/Depacking,
 - Decanting/bulking,
 - Consolidation into containers,
 - Elementary Neutralization,
 - Aerosol can puncturing,
 - Drum/container cleaning
- RM 126:
 - Lab Packing/Depacking,
 - Decanting/bulking,
 - Consolidation into containers,
 - Elementary Neutralization,
 - Aerosol can puncturing,
 - Drum/container cleaning
- East Loading Docks
 - Consolidation into containers
- Tanker Fill Area #1
 - Consolidation into containers
- Tanker Fill Area #2
 - Consolidation into containers.
- **Licensed Treatment:** Fuel Blending: Mixing hazardous waste with compatible hazardous wastes and other compatible materials to meet the spec defined by cement kilns. Fuel blending will be performed in room 126. Fuels blended materials are only blended into other containers in RM 126 and containers (tankers) held in the east loading docks, and the tanker fill areas.

2.0 Waste Prequalification

All waste approved to be shipped to or accepted by the facility must be approved through the waste prequalification process. As described in section 3.0 [Waste Analysis](#) of this WAP, the prequalification process requires completion of a Waste Information Profile (WIP) by the generator or their authorized agent, and review and approval of the WIP by the facility. Wastes which do not meet the prequalification requirements of having a WIP approved by the facility and/or have hazardous waste codes that the facility is not authorized to accept (section 4.0 [Acceptable Waste Codes](#) of this WAP) are not accepted by the facility.

All shipments of waste to the facility must be scheduled. The facility will not approve the schedule of any shipment of wastes that have not been prequalified through the WIP process described herein. Unscheduled shipments of wastes will not be accepted until the Facility confirms with the generator that the shipment is intentional and is properly represented by the accompanying manifest and shipping papers,

The facility does not accept “unknown” wastes. If an unknown waste is delivered to the facility without the facility’s knowledge or consent (e.g., waste left at a gate during the night, or an unidentified waste accompanies a waste delivery and is off-loaded by the facility), then the facility sends an email to their Wisconsin Department of Natural Resources (WDNR) TSD inspector within 24 hours. Following this consultation, the facility makes a waste determination in accordance with s. NR 662.011 Wis. Adm. Code for the purpose of placing the waste into the facility’s storage area and/or preparing the waste for proper shipment to an appropriate off-site facility.

For authorized agents that represent the generator (such as consultants or brokers), the facility will obtain written evidence that demonstrates that they have authority to act on behalf of the generator for the purpose of arranging for the management of the generator’s waste stream.

3.0 Waste Analysis

Section 664.0013(1) Wis. Adm. Code requires that facility obtain a detailed chemical and physical analysis of a representative sample of a waste. This analysis must contain all the information which must be known to treat, store, or dispose of the waste according to chapters NR 664, 668 Wis. Adm. Code and the conditions of the facility’s license. The Facility uses the following methods to meet this requirement:

Representative Sample and Analysis

When available generator knowledge is inadequate to determine whether the waste exhibits one or more hazardous characteristics, the waste analysis must contain results from analytical testing of a representative sample in the manner consistent with the generator requirements of s. NR 662.011(4)(b) Wis. Adm. Code.

The waste analysis requirements for analytical testing are met when a representative sample of the waste identifies the chemical and physical characteristics and composition of a waste. Section 664.0013(1)(a)1. Wis. Adm. Code requires that chemical and physical samples to be analyzed (except

for field analyses for pH, specific conductance and temperature) by a laboratory certified or registered under ch. NR 149; this includes waste received by the facility from in-state and out-of-state generators.

The waste analysis must include, as supporting information, a description of how the samples used were representative samples, and the laboratory's report(s) showing the analytical methods, detection limits, results, and quality control checks.

Knowledge-Based Information

In lieu of analytical testing on a representative sample, the waste analysis requirements for knowledge-based determination are met when the knowledge base determination meets "acceptable knowledge". In this case the waste analysis must contain information consistent with the generator requirements of s. NR 662. 011(4)(a) Wis. Adm. Code. Acceptable knowledge may include any of the following:

- Process knowledge, which describes information about chemical feedstocks and other inputs to the production process.
- Knowledge of products, by-products, and intermediates produced by the manufacturing process.
- Chemical or physical characterization of wastes.
- Information on the chemical and physical properties of the chemicals used or produced by the process or otherwise contained in the waste
- Testing that illustrates the properties of the waste. A test other than a test method set forth in subchapter C chapter NR 661 Wis. Adm. Code, or an equivalent test method approved by the department under s. NR 660.21 Wis. Adm. Code, may be used as part of a person's knowledge to determine whether a solid waste exhibits a characteristic of hazardous waste. However, such tests do not, by themselves, provide definitive results.
- Relevant information about the properties of the waste or its constituents.
- Analytical results (i.e., numbers) used in knowledge-based determination must be supported.

If a non-NR 149 laboratory data is used by the generator to show if a waste is or is not a characteristic waste and/or to describe other waste properties, then the Facility requires the generator to submit, the laboratory's audit results and any laboratory certifications. The facility must review these audit results and any laboratory certifications and conclude that they are equivalent to that which a laboratory certified or registered under ch. NR 149 must achieve, prior to approving the waste stream.

3.1 Waste Information Profile (WIP)

Each waste stream accepted by the facility is described in an approved WIP. For the WIP and associated documentation to be complete, it must contain all the following:

3.1.1 WIP Content

Documentation from the generator or their authorized agent:

1. A detailed description on the process that generated the waste.
2. If sampling was used to determine if the waste is or is not a characteristic hazardous waste, then a description on how the samples collected are a representative sample.
3. If generator knowledge was used by the generator, a complete set of the information described in NR 662.011(4)(a) Wis. Adm. Code such as process knowledge, which

describes information about chemical feedstocks and other inputs to the production process; knowledge of products, by-products, and intermediates produced by the manufacturing process; chemical or physical characterization of wastes; information on the chemical and physical properties of the chemicals used or produced by the process or otherwise contained in the waste; testing that illustrates the properties of the waste; or other reliable and relevant information about the properties of the waste or its constituents.

4. The generator's hazardous waste determination that shows compliance with s. NR 662.011 Wis. Adm. Code.
5. Laboratory analytical reports.
6. The waste's waste analysis meets section [3.0 Waste Analysis](#) of this WAP.
7. All of the information which must be known by the facility to treat, store, or dispose of the waste according to chapters NR 664, 668 Wis. Adm. Code and the conditions of the facility's license.
8. Determination if the hazardous waste has a Volatile Organic Compounds (VOCs) concentration of at least 500 Part per Million by Weight (ppmw). If so, then container is subject to subchapter CC of chapter NR 553, Wis. Adm. Code.
9. An LDR document in compliance with s. NR 668.07(1) Wis. Adm. Code.
10. If applicable, a SDS for waste that is a commercial chemical product (excluding household-generate wastes and lab packs).

The WIP form used by the facility to capture this information is included in [Appendix A](#). The WIP form must be accompanied by supportive documents as necessary to address all of the required information summarized above and listed in more detail in [Appendix H](#). Each approved WIP is identified by a unique number in the upper right corner of each page. The manifest or shipping paper accompanying each delivery of waste clearly must identify the WIP number for each different waste stream in the delivery.

3.1.2 WIP Review and Approval

A WIP must be completed, signed, and submitted by the generator or the generator's authorized agent for each waste stream (including nonhazardous waste) that is proposed to be placed into the facility's licensed unit. The facility then reviews each WIP to determine if the facility can properly store and/or treat the waste. Based on the information provided in the WIP, the facility must do one of the following:

1. Approve the WIP.
2. Determine that the WIP requires additional information before making an approval determination.
3. Deny the WIP.

After one of these decisions is made, the Facility notifies the generator of the decision, and maintains documentation of this notification with the WIP in the operating record.

The following are examples of when the facility requires additional information before the facility makes a determination of accepting the waste into the facility:

- Required information is omitted from the WIP. For example, the generator did not provide sufficient information about the process generating the waste or how the samples were collected.

- The information in the WIP is inconsistent. For example, the generator classifies that waste as an acidic solution, but the waste has a pH value of 14.
- The generator does not provide sufficient information which must be known to safely store and treat the waste. For example, the generator classifies the waste as a D003, but fails to identify why the waste carries the D003 waste code. Is it due to the waste being an explosive, generating toxic gases, or reacts violently with water?

An incomplete or inconsistent WIP cannot be approved and therefore the waste cannot be accepted into the facility. In all cases, if the facility is not confident that a waste has been sampled or characterized accurately, or if knowledge-based information is not adequately supported, then the facility cannot approve the waste for acceptance into the facility.

The facility documents the approval of each WIP. This approval is retained with that WIP and supporting documentation along with any conditions of approval that must be followed by the generator or transporter. The WIP, all supporting documentation package, and the approval is retained as part of the facility's operating record and made available as may be needed to persons performing Level I, II, or III analyses. This documentation will also include any subsequent corrections or supplementary information to the WIP along with its approval. Each part of the documentation will be clearly identified as part of the WIP, such as by marking it with the unique WIP number. These operating record requirements can be achieved with electronic documents provided they are properly organized, secured from unauthorized editing, and readily available.

3.1.3 WIP Updates

In accordance with s. NR 664.0013(1)(c), Wis. Adm. Code, the WIP process must be repeated as necessary to ensure that it is accurate and up to date. At a minimum, this must occur when:

1. The facility is notified by the generator or authorized agent, or the facility has reason to believe, that the process or operation generating the waste has changed.
2. The results of the inspection of wastes indicate that the waste received at the facility:
 - a. Does not match the waste described in the WIP.
 - b. The waste differs from waste previously received from the generator that has the same WIP.
 - c. The WIP was approved more than 3 years prior to receipt, or 5 years for sampling-exempt materials.

In accordance with s. NR 664.0013(1)(a)1, Wis. Adm. Code, chemical and physical samples used to support the WIP must be analyzed by a laboratory certified or registered under ch. NR 149, Wis. Adm. Code, except for certain field analyses. In accordance with s. NR 664.0013(1)(a), only representative samples are used to obtain the detailed chemical and physical analysis.

If non-NR 149 lab data is provided as part of the WIP and the non-NR 149 lab data is used in the acceptance of the waste into the facility, then the facility obtains the laboratory audits and/or other laboratory certifications that show the data from the non-NR 149 lab is equivalent to the standards listed in ch. NR 149, Wis. Adm. Code.

As evidence to support a generator's knowledge-based determination, a generator may use a test method other than the test methods set forth in subch. C of ch. NR 661 Wis. Adm. Code or an equivalent test method approved by the department under s. NR 660.21 Wis. Adm. Code. However, these tests methods cannot be used, by themselves, to make a determination if a solid waste exhibits a characteristic of a hazardous waste (s. NR 661.011(40)(a) Wis. Adm. Code).

Each WIP's approval last for one year from the date that the WIP was last approved by the facility.

A WIP will be auto renewed for an additional year upon shipment and receipt of waste belonging to that WIP. After one year without shipment, a WIP will be expired. A WIP that has been expired for less than one year may be renewed with written instruction from a generator stating no change in the WIP. A WIP expired for greater than one year will require a newly signed WIP before acceptance into the facility. After 5 years from the date of original WIP certification, the WIP will require a recertification or new signed WIP prior to acceptance. Automatic renewal will be paused and require manual review should a waste:

- Be the subject of a discrepancy by triggering a level 2 analysis.
- Fail to conform during a level 3 analysis.

3.2 Determination of Outbound Designated Facility

As part of the prequalification process during WIP approval, the facility also identifies the designated outbound facility(s) to which the facility is intends to ship the waste after the waste has been received by the facility. Selection of the designated outbound facility is based on the WIP, assigned RCRA hazardous waste codes, any applicable land-disposal restriction regulations, generator request/requirement, and any requirements or restrictions of the designated facility's license. The WIP cannot be approved unless the waste meets the acceptance criteria of the outbound designated facility(s) and the outbound facility(s) is reasonably anticipated to be available.

4.0 Acceptable Waste Codes

This facility is licensed to accept certain hazardous waste codes. See the current Part A application of the license for a full list of the hazardous waste codes that the facility is allowed to accept. As a matter of convenience, the waste codes listed in part A have been included in [Appendix J](#). Additional waste codes may be accepted only after a license modification is approved. In addition, the facility does not accept the wastes identified in section [8.0 Restricted Wastes](#) of this WAP.

5.0 Shipment Screening, Analysis, and Acceptance

When the facility receives a shipment of waste, the facility must successfully complete and document the following procedures to accept the waste into a licensed hazardous waste unit:

1. Review the manifest or shipping paper for accuracy and completeness and resolve any inaccuracies and/or items of incompleteness (see [9.0 Manifest and Bill of Lading Discrepancies](#) of this WAP).
2. Confirm receipt of and review the LDR document for accuracy and completeness; resolve any inaccuracies and/or items of incompleteness.
3. Review the WIP, manifest or shipping paper, and LDR document for discrepancies between them and resolve any discrepancies. Record these discrepancies into the facility operating record and how these discrepancies were resolved.
4. Check container labels for accuracy and consistency with the WIP and resolve any inaccuracies and/or items of incompleteness.

5. Check the condition of each container and the type of container used for that waste and verify that the container is U.S. DOT approved. If not in a U.S. DOT approved container then the facility must repackage the waste into an approved U.S. DOT container. The facility checks to confirm that the container is not leaking and properly closed.
6. Verify that each container type, and size is consistent with the information in the WIP and manifest or shipping paper., LDR document, and waste stored in the container.
7. Assign a unique container number to each container using the facility's tracking system and affix a durable label marked with that unique number to the container
8. The facility utilizes a tiered approach for analyzing incoming shipments at the facility.
 - a. Perform a Level I analysis on each shipment received as described in section [5.1 Level I Analysis](#) of this WAP.
 - b. Perform a Level II analysis when the Level I analysis indicates unresolved discrepancies between the waste and its WIP as described in sections [5.2 Level II Analysis](#) of this WAP.
 - c. Perform a Level III analysis to containers received on a periodic basis (to evaluate the accuracy of the WIPs maintained by the facility) as described in sections [5.3 Level III Analysis](#) of this WAP.
9. Complete the form(s) in [Appendices F](#) and [Appendices G](#).
10. In addition to the prequalification requirements described in section [2.0 Waste Prequalification](#) and the waste analysis requirements in section [3.0 Waste Analysis](#) the facility reviews each lab pack' packing list using the Lab Pack Contents Form (see [Appendix B](#)). If any incompatible or unacceptable material is listed on the Lab Pack Contents Form, the generator or generator's agent is given the option of either arranging for the facility to properly repack that material or having the lab pack container rejected by the facility.

Table 1 gives an overview of these analyses and **Table 3** summarizes the analytical parameters and rationales used to determine the general and specific characteristics of a waste stream.

Table 1: Required Analyses to be Performed by the Facility for Incoming Waste Shipments

Incoming Shipments			
Analysis Level	Level I	Level II	Level III
Frequency	Each container and bulk load	Unresolved discrepancy from Level 1	One out of every 500 non-bulk containers or one out of every 50 bulk containers
Parameter	Review Required	Review Required	Review Required
(M-1) Physical Evaluation	Yes		Yes
(M-2) pH (if applicable)*	Yes		Yes
(M-3) Ignitability or Flash Point	Yes		Yes
(M-4) Water Reactivity		Yes	Yes
(M-5) Reactive Sulfides Screen		Yes	Yes
(M-6) Reactive Cyanides Screen (Spot Test)		Yes	Yes
(M-7) Oxidizer Screen (Spot Test)		Yes	Yes
(M-8) Specific Gravity		Yes	Yes
(M-9) % Suspended Solids (If Applicable, Liquid Solutions Only)		Yes	Yes
(M-10) Chlorine (Spot Test)		Yes	Yes
(M-11) Polychlorinated Biphenyl (PCB) Screen		Yes	Yes
(M-12) TCLP RCRA Metals		Yes	Yes
Any other parameter necessary to confirm that the waste matched the WIP and that the waste can be properly managed	When necessary	When necessary	When necessary

* "If applicable" means that the test is only required on samples where a pH test is possible so only liquid aqueous samples will be pH tested but not solids.

Sampling-exempt Materials:

The following wastes do not require sampling and/or analytical testing for level I and level III analysis unless the analytical testing is needed maintain compliance with chs. NR 660 to 679 Wis Adm. Code.

Note that a physical evaluation (method M-1) is still required for all wastes, including but not limited to the following:

1. Household hazardous waste as defined by s. NR 661.0004(2)(a) Wis. Adm. Code.
2. Empty hazardous waste containers as defined in s. NR 661.0007 Wis. Adm. Code.
3. The listed commercial chemical products as defined under s. NR 661.0033(1) to (4) Wis. Adm. Code that are in their original container. The WIP must include a SDS. Examples:
 - a. Any unused commercial chemical products that appear on the U listing.
 - b. Any unused commercial chemical products that appear on the P listing.
4. Non-listed commercial chemical products that are not defined under s. NR 661.0033(1) to (4) Wis. Adm. Code, are unused, and are in their original container. The WIP must include a SDS. Examples:
 - a. Aerosol Cans, gas cylinders, and propane cylinders.
 - b. Paints.
 - c. Pharmaceuticals as defined by s. NR 666.500(9) Wis. Adm. Code.
5. Manufactured articles as defined in section 1.1 Definitions. Examples:
 - a. Video Monitors.
 - b. Universal waste lamps, batteries, and mercury containing equipment.

- c. Cathode ray tubes (CRTs).
 - d. Hydraulic equipment.
 - e. Computers.
 - f. Cell phones.
6. Lab packs as defined in section 1.1 Definitions.
 7. Contaminated environmental media (e.g., soil, groundwater) when the contamination is due to a release of a known chemical substance, commercial product, or waste, as established in the approved WIP.
 8. Contaminated personal protective equipment (PPE).
 9. Debris as defined by s. NR 668.02(7) Wis. Adm. Code generated only from construction or demolition activities involving a known chemical substance, commercial product, or waste, as established in the approved WIP. Examples:
 - a. Construction of a healthcare facility's x-ray room that resulted in the generation of scrap wallboard covered with lead sheeting.
 - b. Removal of asbestos insulation from a pipe run that contains lead paint.
 - c. Demolition of a wall covered in lead paint.

5.1 Level I Analysis

Prior to acceptance, the facility opens and inspects each container and bulk load in the waste receiving area, including:

- Containers that are trans-shipped or planned to be trans-shipped.
- Containers of sampling-exempt materials identified in section 5.0 [Shipment Screening, Analysis, and Acceptance](#) of this WAP - except that the following containers are not required to be opened:
 - manufactured articles
 - small containers within a lab pack container

Upon opening each container and bulk load, the facility performs an examination of the waste and compares the waste to the information on the label(s), manifest/shipping paper, and WIP.

Physical Evaluation:

The physical examination includes, at a minimum, appearance, color, layering, viscosity, and odor if detected.

- Waste Liquids: The facility uses a composite liquid waste sampler (COLIWASA) or sample thief to check for layering. Layering can include, for example, different phases of liquids, or a alter of solid or semi-solid material at the bottom of the container.
- Waste other than liquids: The facility uses an auger, sludge sediment probe, or similar devise to check for layering.
- Lab packs: The facility only needs to open the lab pack to confirm that is meets the definition of a lab pack.

If the evaluation of the waste or WIP indicates that the waste is potentially ignitable or corrosive, then the facility screens the waste for flash point and/or corrosivity. Waste streams that are potentially subject to flash point and/or corrosivity screening include:

- Waste containing liquids.
- Waste having a petroleum- or solvent-like odor.
- Wastes that are not already characterized as exhibiting the characteristic of ignitability (D001) or corrosivity (D002).

Representative Sampling:

The facility collects a representative sample for analytical testing from each container and bulk load in accordance with the facility's Sampling SOP (see [Appendix C](#) of the WAP). The following are exceptions to the collection of a representative sample for analytical testing from each container:

- Shipments of multiple containers from a single generator with the same WIP in which the physical evaluation showed the waste in the containers are consistent. In this case collect at least one representative sample from every ten containers received; the container to be sampled will be selected in a randomized manner.
 - If a discrepancy is found in a container that was selected as one to be sampled from a batch of 10 or fewer other containers of the same waste stream from the same shipment, then a Level I sample and analysis is performed on all containers.
- Sampling and analytical testing is not required for the sample-exempt wastes listed in section [5.0 Shipment Screening, Analysis, and Acceptance](#) of this WAP.

The facility ensures that a representative sample is collected when a container contains waste with multiple layers or phases. When appropriate, individual (un-composited) samples of individual phases layers can be used for analysis to evaluate conformance with WIP information.

Analytical Testing:

The analytical testing required for a Level I analysis is identified in **Table 1** of this WAP.

Evaluating the Physical and Analytical Results:

The facility compares the Level I physical examination and analytical results to the waste's WIP, using the tolerance limits in Table 3. If the Level I analysis identifies a discrepancy, the facility takes the following actions.

1. Follow section [10.0 WIP Discrepancies](#) of this WAP.
2. Clearly mark or label the waste with the word "Quarantined".
3. Place the waste in a quarantine area within a licensed storage area until the discrepancy is resolved. The container must remain in quarantine until it is accepted or removed from the facility.
4. Promptly contact the generator or the generator's agent and attempt to resolve the discrepancy.
 - a. If the discrepancy is resolved by contacting the generator and the WIP remains accurate, then the waste is moved to the appropriate licensed unit by the end of the day.
 - b. If the discrepancy cannot be resolved by the generator, then the facility chooses one of the following options:
 - i. Reject the waste back to the generator in accordance with NR 664.0072(6) Wis. Adm. Code and section [8.0 Restricted Wastes](#) of this WAP.
 - ii. Ship the waste, with the generator's consent, to another TSD facility in accordance with NR 664.0072(4) and (5) Wis. Adm. Code. In addition to these requirements, the facility provides the new receiving TSD facility with the original WIP and Level I (and as applicable II and III) analysis results.
 - iii. Accept the waste and perform a level II analysis. Note that the container

must remain labelled as “quarantined” until it is accepted or removed from the facility.

- c. Accept the waste under a new WIP completed by the generator and approved under section 3.1.2 of this WAP .
5. The facility requires a new WIP to be submitted by the generator or generator’s agent when the discrepancy involves the waste’s physical and/or analytical results not matching the waste’s WIP.
6. Document the cause and resolution of the discrepancy in the operating record and enter required discrepancy information onto the manifest.
7. The facility reviews the generator’s other WIPs for similar issues.

Records:

The Level I analysis is documented using the Level I QA/QC report (see [Appendix F](#) of this WAP). A record of all Level I analysis (and how discrepancies were resolved) is maintained by the facility in accordance with section [17.0 Recordkeeping and Reporting](#) for each container delivery as part of the facility operating record.

5.2 Level II Analysis

The facility conducts a Level II analysis when there is an unresolved Level I discrepancy and the facility retains and quarantines the waste as in section 5.1 Level I Analysis. Waste subject to Level II analysis remains quarantined until the discrepancy is resolved.

Representative Sampling:

The “Representative Sampling” for a Level II analysis is performed as described in section [5.1 Level I Analysis](#) of this WAP.

Analytical Testing:

The analytical testing required for a Level II analysis are identified in **Table 1** of this WAP. Methods M-11 and M-12 require testing by a laboratory certified under NR 149.

Evaluating the Physical and Analytical Results:

If the Level II analysis identifies a discrepancy with the WIP, the facility takes the following actions:

1. Follow section [10.0 WIP Discrepancies](#) of this WAP.
2. Clearly mark or label the waste with the word “Quarantined”.
3. Place the waste in a quarantine area within a licensed storage area until the discrepancy is resolved. The container must remain in quarantine until it is accepted or removed from the facility.
4. Promptly contact the generator or the generator’s agent and attempt to resolve the discrepancy.
 - a. If the discrepancy is resolved by contacting the generator and the WIP remains accurate, then the waste is moved to the appropriate licensed unit by the end of the day.
 - b. If the discrepancy cannot be resolved by the generator, then the facility chooses one of the following options:
 - i. Reject the waste back to the generator in accordance with NR

664.0072(6) Wis. Adm. Code and section [8.0 Restricted Wastes](#) of this WAP.

- ii. Ship the waste, with the generator's consent, to another TSD facility in accordance with NR 664.0072(4) and (5) Wis. Adm. Code. In addition to these requirements, the facility provides the new receiving TSD facility with the original WIP and Level I (and as applicable II and III) analysis results.
5. The facility requires a new WIP to be submitted by the generator or generator's agent when the discrepancy involves the waste's physical and/or analytical results not matching the waste's WIP.
6. Documents the cause and resolution of the discrepancy in the operating record together with a copy of the manifest.
7. The facility reviews the generator's other WIPs for similar issues.

Records:

The Level II analysis is documented using the Level II QA/QC report (see [Appendix G](#) of this WAP). A record of all Level II analysis (and how discrepancies were resolved) is maintained by the facility in accordance with section [17.0 Recordkeeping and Reporting](#) for each container or bulk load subject to a level II analysis.

5.3 Level III Analysis

The facility conducts a Level III analysis for the contents of one out of every 500 containers and the contents of one out of every 50 bulk loads (including non-hazardous wastes) received by the facility.

- The facility uses an inventory tracking system to identify every 500th non-bulk container and every 50th bulk load received by the facility in sequential order.
- If the 500th non-bulk container or 50th bulk load is a sample-exempt wastes or a P or U-listed waste, then the facility selects the next sequential container that is not one of these types of waste.
- If the 500th non-bulk container is one of several containers within a single delivery, the container to undergo Class III analysis will be selected randomly from the delivery.

The facility uses the following system to track the number and sequence of containers received by the facility, in order to identify Class III container candidates:

- Containers are given individual drum numbers upon receiving. Using the sequential numbers, every 500th drum will be automatically flagged by our ERP software for sampling and analysis.

Physical Evaluation:

The "Physical Evaluation" is performed as described in section [5.1 Level I Analysis](#) of this WAP.

Representative Sampling:

The "Representative Sampling" for a Level III analysis is performed as described in section [5.1 Level I Analysis](#) of this WAP.

Analytical Testing:

The analytical testing for a Level III analysis are identified in **Table 1** of this WAP. Required testing is to be completed by a laboratory certified under NR 149.

Evaluating the Physical and Analytical Results:

On an annual basis, the facility reviews the Level III analysis and the previous year's Level III analysis results to ensure that a variety of waste types and customers have been, and will continue to be, represented.

If the Level III analysis identifies a discrepancy with the WIP, the facility takes the following actions:

1. Follow section [10.0 WIP Discrepancies](#) of this WAP.
2. Clearly mark or label the waste with the word "Quarantined".
3. Place the waste in a quarantine area within a licensed storage area until the discrepancy is resolved. The container must remain in quarantine until it is accepted or removed from the facility.
4. Promptly contact the generator or the generator's agent and attempt to resolve the discrepancy.
 - a. If the discrepancy is resolved by contacting the generator and the WIP remains accurate, then the waste is moved to the appropriate licensed unit by the end of the day.
 - b. If the discrepancy cannot be resolved by the generator, then the facility chooses one of the following options:
 - i. Reject the waste back to the generator in accordance with NR 664.0072(6) Wis. Adm. Code and section [8.0 Restricted Wastes](#) of this WAP.
 - ii. Ship the waste, with the generator's consent, to another TSD facility in accordance with NR 664.0072(4) and (5) Wis. Adm. Code. In addition to these requirements, the facility provides the new receiving TSD facility with the original WIP and Level I (and as applicable II and III) analysis results.
5. The facility requires a new WIP to be submitted by the generator or generator's agent when the discrepancy involves the waste's physical and/or analytical results not matching the waste's WIP.
6. Document the cause and resolution of the discrepancy in the operating record together with a copy of the manifest.
7. The facility reviews the generator's other WIPs for similar issues.

Records:

The Level III analysis is documented using the Level II QA/QC report (see [Appendix G](#) of this WAP). A record of all Level III analysis (and how discrepancies were resolved) is maintained by the facility in accordance with section [17.0 Recordkeeping and Reporting](#) for each container or bulk load subject to a level III analysis.

5.4 Annual Analysis and Discrepancy Report

By March 30 of each year, the facility prepares an annual analysis and discrepancy report based on the previous calendar year's activities containing the following minimum information; this report is

maintained in the facility operating record for ten years¹.

1. The total number of Class I analyses, and the identification and description of discrepancies, including causes, found during Class II analyses, and any apparent trends or commonalities
2. The total number of Class II analyses, and the identification and description of discrepancies, including causes, found during Class I analyses, and any apparent trends or commonalities.
3. An analysis of the causes for the discrepancies, including identification of any apparent trends or commonalities.
4. A description of the following actions and results: If any WIP was found to be inaccurate through a Level II or Level III analysis, the facility will review all other WIPs for wastes from that generator (including WIPs submitted by an authorized representative of that generator) for completeness and confirm with the generator the accuracy of the WIP.
5. An analysis of the success of process improvements from the previous year's annual analysis and discrepancy report.
6. If determined to be appropriate or needed based on these analyses and evaluations, process improvements to be taken by or taken by the facility (and the implementation schedule) to reduce the number of discrepancies and improve the quality of the information provided by generators (such as manifests and WIP)
7. If such process improvements are not needed, and explanation of why this was concluded.

5.5 Final Acceptance and Placement of Waste in Storage

Upon verification that the container is acceptable and its waste contents through the waste screening process, the container is then moved from the receiving area to an appropriate licensed storage unit or removed and placed into transportation. Such movement or removal occurs within 24 hours after the waste arrived at the facility unless the container is quarantined.

Any waste that does not conform to the corresponding WIP and other applicable records is quarantined until the discrepancy is resolved with the generator. Upon resolution of the discrepancy, quarantine labels are removed, and the waste is moved to an appropriate licensed storage unit by the end of the day or removed and placed into transportation by the end of the day.

A waste may be accepted but still rejected, if the facility determines after signing the manifest that the waste does not conform to the corresponding WIP; in this case the container is labelled for (and placed into) quarantine.

6.0 Consolidating Wastes

Certain processing activities such as bulking, containerizing, consolidating, lab packing, and elementary neutralization do not require a hazardous waste treatment license when hazardous waste treatment is not occurring. For example, repackaging waste from larger to smaller container or from a smaller to larger container is not treatment provided the intent is to make the waste more cost-effective for shipment to a TSD facility, and provided that any reduction in the hazards due to this activity is incidental (i.e., not the intent of the activity)².

¹ The Annual Analysis and Discrepancy Report will be used by WDNR when the facility seeks any license modification regarding this WAP and in developing the 10-year license renewal application/FPOR required in NR 670 Wis Adm Code.

² RO 11497: <https://rcrapublic.epa.gov/files/11497.pdf>

Consolidation that involves hazardous waste treatment, such as blending of different types of hazardous waste to meet a fuel specification, will also conform to the procedures of this section (see section 7.0 Treatment). Processes that involve impermissible dilution do not occur at the facility (see section 7.1.6 Impermissible Dilution of this WAP).

All required waste codes and LDR restrictions are followed when wastes are consolidated.

6.1 Compatibility Testing for Consolidated Waste

Before the wastes are consolidated with other wastes the waste mixture is tested for compatibility. Compatibility is evaluated to ensure that wastes do not adversely react with one another when they are comingled in containers or tanks.

To prevent undesirable chemical reactions from occurring when wastes are consolidated or bulked, the facility tests for compatibility using the M-13: Compatibility Testing as outlined in section 15.0 Test Methods using representative samples from all wastes and residues that will contact each other.

Prior to the compatibility test, the facility reviews the WIP and other relevant information to conclude that described waste and constituents to be consolidated are compatible. When a container or tank contains waste with multiple layers or phases, the facility ensures that each phase/layer is properly represented within the sample.

6.2 Lab Packs

Wastes to undergo lab packing/lab repacking are reviewed to ensure they are compatible with other wastes to be placed in the same container and with the container. Additional compatibility testing is not required since the waste is not being mixed.

Lab packing only occurs using a clean container that is free of any potentially incompatible materials, structurally sound, made of materials compatible with the wastes, and when closed are leak proof.

6.3 Containers and Tanks

Wastes are only consolidated into unused containers that are clean, free of any potentially incompatible materials, structurally sound, made of materials compatible with the wastes, and when closed are leak proof. If the container was previously used or is not free of contamination, it is cleaned to eliminate any previous residues or contamination. If the tank or container is not cleaned of all residues, then the compatibility testing will include the residues that remain in the tank or container before consolidation.

6.4 Documentation

The facility uses the Bulk Consolidation Tracking Sheet (see [Appendix D](#)) for hazardous waste that are consolidated on-site in advance of outbound shipments. Each Bulk Consolidation Tracking Sheet is maintained with the facility copy of the outbound manifest as part of the facility operating record.

RO 12458: <https://rcrapublic.epa.gov/files/12458.pdf>

RO 13764: <https://rcrapublic.epa.gov/files/13764.pdf>

This form also includes documentation of compatibility testing.

The facility uses the Lab Pack Contents form (see [Appendix B](#)) when lab packing smaller containers.

7.0 Treatment

The facility conducts hazardous waste treatment that requires a hazardous waste license. Section 291.01(21) Wis. Statute defines treatment as: *“Any method, technique or process, including neutralization, which follows generation and which is designed to change the physical, chemical or biological character or composition of any hazardous waste so as to neutralize the hazardous waste or so as to render the waste nonhazardous, safer for transport, amenable for recovery, amenable for storage or reduced in volume.”* The first part focus on whether a given activity changes the properties of a hazardous waste. *“Any method, technique or process, including neutralization, which follows generation and which is designed to change the physical, chemical or biological character or composition of any hazardous waste ...”* The second part looks at the intent of the waste management activity. *“... so as to neutralize the hazardous waste or so as to render the waste nonhazardous, safer for transport, amenable for recovery, amenable for storage or reduced in volume.”*

Treatment residues are typically generated when wastes are treated. Treatment residues generated by the facility are subject to the generator requirements of ch. NR 662 Wis. Adm. Code and not the TSD requirements of ch. NR 664 Wis. Adm. Code. There is usually more than one type of treatment residue generated when treating hazardous waste (May 26, 1998, federal register; 63 FR 28610). One of these treatment residues is the waste that is being treated (i.e., the primary treatment residue) and the other is the waste generated from the treatment of that waste (i.e., the secondary treatment residue). Examples of treatment residues generated from hazardous waste treatment:

1. **Solvent recovery:**
 - a. Primary treatment residue: None. The waste solvent reclaimed is a commodity and not a waste and therefore not subject to the NR 600 series hazardous waste requirements.
 - b. Secondary treatment residue: Still bottoms generated from the still are subject to ch. NR 662 Wis. Adm. Code.
2. **Solidification:**
 - a. Primary treatment residue: The waste stabilized by solidification are subject to ch. NR 662 Wis. Adm. Code.
 - b. Secondary treatment residue: Bag house dust are subject to ch. NR 662 Wis. Adm. Code.
3. **Fuel Blending:**
 - a. Primary treatment residue: Final fuel "Blend".
 - b. Secondary treatment residue: None.
4. **Elementary neutralization or wastewater treatment:**
 - a. Primary treatment residue: The supernatant (i.e., the liquid above the precipitate) are subject to ch. NR 662 Wis. Adm. Code and possibly the Clean Water Act (CWA).
 - b. Secondary treatment residue: The precipitate (i.e., sludge) generated from wastewater treatment are subject to ch. NR 662 Wis. Adm. Code.

7.1 Fuel Blending for Energy Recovery for Boilers and Industrial Furnaces

Since there is no federal or state RCRA regulatory definition for “fuel blending”, fuel blending is defined in section 1.1 Definitions of this WAP. Fuel blending is a form of hazardous waste treatment. The types of hazardous wastes and nonhazardous wastes fuel blended for boilers and industrial

furnaces (BIFs) are typically organic liquids (e.g., spent solvents, coatings, resins, used oil, and other high-BTU wastes) generated from parts cleaning, painting, printing, and lubrication.

With EPA's adoption of the BIF rules in 1991, the as-generated 5,000 British thermal units per pound (Btu/lb.) heating value requirement no longer determines the regulatory status of the BIF (56 FR 7183, February 21, 1991). Therefore, a fuel blender can blend hazardous wastes of any Btu value for burning in a BIF; however, there are consequences for the BIF that chooses to burn fuel blended hazardous waste with a Btu value of less than 5,000 Btu/lb. EPA uses the 5,000 Btu/lb. value to distinguish between hazardous waste that are burned for legitimate energy recovery versus those hazardous waste that are burned for destruction or for use only as an ingredient. When a BIF fuel blends its hazardous wastes to meet the minimum 5,000 Btu/lb. limit or to meet the maximum inorganic metal concentration limit of 500 ppm the fuel blending must be legitimate and not constitute impermissible dilution (40 CFR ss. 266.103(a)(5)(ii) and 268.3, and facility specific conditions). BIFs may become subject to the incinerator standards of 40 CFR Part 264 (NR 664), subpart O when burning hazardous waste for destruction.

For example, cement kilns use an industrial furnace to produce cement, which is a product that is used in a manner constituting disposal since it is nearly always applied to the land. Cement kilns typically burn fuel blended hazardous wastes, which almost always contains listed hazardous wastes due to toxicity. If a portion of this fuel blended hazardous waste has a heating value of less than 5,000 Btu/lb., then EPA will generally assume that the hazardous waste is being burned for destruction. As such, under s. 261.2(c)(1)(i)(B) the cement is a solid waste since the cement is a waste-derived product that is applied to or placed on the land. Under the derived-from rule of s. 261.3(c)(2)(i) the cement is also a listed hazardous waste because the fuel blended hazardous waste is a listed hazardous waste due to toxicity.

The cement remains a waste-derived product unless the BIF can certify under s. 266.103(c)(1) that the low heating value waste is being burned for legitimate energy recovery. When hazardous waste is used as an ingredient to produce the waste-derived product that is applied to the land, then the waste-derived products is subject to s. 266.20(b). Even though the cement is produced from the burning of hazardous waste, the hazardous waste has not been used as an ingredient in the cement and therefore s. 266.20(b) does not apply (53 FR 31198, August 17, 1988). However, if the BIF uses the hazardous waste as an ingredient to produce the product that is applied to the land, then s. 266.20(b) applies. This may occur when hazardous waste is used (or mixed) as slurry water or using soils that contain hazardous waste to make the cement.

7.1.1 Waste Qualification and Acceptance Process

The facility uses the information in the WIP when making a preliminary determination as to whether the waste may be suitable for fuel blending. The facility evaluates the information in the WIP to ensure the hazardous waste codes are permitted and that the waste meets the acceptance criteria listed above in section [7.1.2 Criteria](#) of this WAP

7.1.2 Fuel Blending Criteria

Hazardous waste that are used for fuel blending must meet all the following:

1. Not create an incompatibility issue when mixed.

2. Is not a D001 oxidizer as defined in 49 CFR 173.127 (a) and as determined by the test methods described in that regulation or equivalent test methods approved by the WDNR under ss. NR 660.20 and 660.21 Wis Adm. Code.
3. Is not a D002.
4. Not prevent combustion but contain >0 BTU per pound for each waste stream prior to mixing.
5. Not prohibited by NR 668.03: As per s. NR 668.03 Wis. Adm. Code the combustion of the hazardous waste codes listed in Appendix XI³ of ch. NR 668 Wis. Adm. Code is prohibited, unless the waste, at the point of generation or after any legitimate treatment, complies with one or more of the following and is not otherwise specifically prohibited from combustion:
 - The waste contains hazardous organic constituents or cyanide at levels exceeding the constituent-specific treatment standard found in s. NR 668.48 Wis. Adm. Code.
 - The waste consists of organic, debris-like materials (e.g., wood, paper, plastic, cloth) contaminated with an inorganic metal-bearing hazardous waste.
 - The waste has heating value of greater than or equal to 5,000 BTU per pound.
 - The waste is co-generated with wastes for which combustion is a required method of treatment. For example, a waste stream at its POG is a D001 and a D008.
 - The waste is subject to federal or Wisconsin requirements necessitating reduction of organics, including biological agents.
 - The waste contains greater than one percent total organic carbon (TOC).
6. Treatment technology requirements: Waste having a specified LDR treatment technology other than CMBST or DEACT must also meet that specified LDR treatment technology.
7. Be legitimately amenable to the same type of treatment (see section [7.1.6 Impermissible Dilution](#) of this WAP).
8. Not involve impermissible dilution under the LDR requirements of ch. NR 668 Wis. Adm. Code when mixed (see section [7.1.6 Impermissible Dilution](#) of this WAP).
9. Not be a PCB wastes, as defined under the Toxic Substance Control Act, or contain PCBs greater than or equal to 50 parts per million.
10. Not be any waste with the recognized Dioxin/Furan waste codes. These hazardous waste codes are F020, F021, F022, F023, F026, F027, and F028.

Hazardous wastes that have been fuel blended must meet the specifications required by the destination BIF.

7.1.3 BIF Specifications

The facility's operating record identifies all the criteria and specifications that must be met for fuel blended waste to be accepted at each BIF used by the facility.

7.1.4 Meeting the BIF Specifications

After the wastes are fuel blended and before the fuel blended hazardous waste is shipped off-site to the BIF, the facility conducts analytical testing on each outbound container or bulk load to determine if the fuel blended hazardous waste meets the specifications discussed in section [7.1.3](#)

³ D004 – D011, F006 – F012, K002 - K008, K061, K069, K071, K100, K106, P010 – P013, P015, P029, P074, P087, P099, P104, P113 - P115, P119 – P121, U032, U145, U151, U204, U205, U216, and U217.

BIF Specifications of this WAP. The analytical testing consists of testing a representative sample for heat content (i.e., BTUs per pound) and all the analytical-based criteria and specifications established by the BIF. Documentation of this representative sampling and the analytical results is maintained in the operating record.

7.1.5 Analytical Testing

The analytical testing required for fuel blending are identified in the column titled “Analytical Method to use” in **Table 2** of this WAP. Representative samples of each container of waste will be analyzed. Analytical results for wastes that are to be blended will be used for calculating the final blend. Individual wastes to be blended do not need to meet the minimum BIF acceptance criteria however they must still be legitimately amenable to fuel blending as a treatment. The final blend must meet the minimum BIF acceptance criteria based on a representative sample from the outbound container.

Table 2: Fuel Blending Analytical Requirements

Parameter	Hazardous waste that are used for fuel blending	Hazardous wastes that have been fuel blended
	Review Required	Review Required
(M-13) Compatibility	Yes	Yes
(M-14) Heat Content	Yes	Yes
(M-15) % Water	Yes	Yes
(M-16) Total Halogens	Yes	Yes
(M-11) PCBs (If Applicable*)	Yes	Yes
Any other parameter necessary to confirm that the waste meets the specifications required by the cement kiln	When necessary	When necessary

* PCB analysis is required unless the approved WIP indicates that PCBs are not present and, based on the WIP’s waste generation process description, PCBs are not reasonably expected to be present.

7.1.6 Impermissible Dilution

For waste that will be land disposed, the facility will not perform impermissible dilution when performing fuel blending or other consolidation or processing activities. The mixing (i.e., aggregation) of hazardous wastes for treatment on an economic scale only occurs when the waste-constituents are legitimately amenable to the same type of treatment. Therefore, when hazardous wastes are mixed to be legitimately fuel blended and it results in the characteristic hazardous waste code and/or the underlying hazardous constituents (UHCs) being removed due to dilution as a result of that mixing, then the mixing is not considered to be impermissibly diluted under LDR requirements of s. NR 668.03 Wis. Adm. Code. EPA states in the June 1, 1990, federal register (55 FR 22666/22667⁴) the following regarding mixing of hazardous waste:

“The Agency is able to provide limited additional guidance today on the issue of when treatment methods involving dilution are permissible. The issue frequently arises when prohibited wastes are aggregated for purposes of treatment. First if the wastes

⁴ <https://tile.loc.gov/storage-services/service/ll/fedreg/fr055/fr055106/fr055106.pdf>

are all legitimately amenable to the same type of treatment, and this method of treatment is utilized for the aggregated wastes, the aggregation step is not impermissible dilution. Thus, it is permissible (and normally desirable) for prohibited organic-containing wastes that are suitable for combustion to be aggregated before combustion even though the concentration of organics in some of the wastes decreases”

An example of impermissible dilution in fuel blending operation would be mixing in inorganic metal-bearing wastes (e.g., a D008 wastewater). Since the inorganic metal-bearing wastes contains no organics components it is not legitimately amenable to the same type of treatment as the fuel blended wastes. This is because the inorganic metal-bearing wastes are not destroyed by incineration, whereas the fuel blended wastes - which have organics components - are destroyed by incineration.

7.1.7 Applicability of LDR Notification when Burning in a Bevill-exempt Device⁵

The “Bevill exclusion” exempts certain mining and fuel-related wastes from RCRA hazardous waste regulation.

The LDR notification provisions ordinarily apply to fuel blending operations because the combustion residues from the burning of these fuel blended hazardous waste are ultimately land disposed and these combustion residues ordinarily remains subject to LDR treatment standards⁶.

However, there are circumstances where fuel blended hazardous waste that are destined for combustion at a BIF may not be subject to LDR requirements because neither the hazardous waste nor the residue from treating the hazardous waste is subject to a treatment standard when land disposed. This occurs when hazardous wastes are going to be burned for energy recovery in a Bevill device, such as a cement kiln (s. NR 661.0004(2)(h) Wis. Adm. Code). To show that the LDR requirements do not apply the fuel blended waste, the facility obtains the following from the industrial furnace or boiler:

1. The name and contact information of the industrial furnace or boiler.
2. Documentation showing that the hazardous waste is burned for energy recovery.
3. Documentation showing the industrial furnace or boiler processes normal Bevill raw materials (e.g., cement or light-weight aggregate).
4. Documentation showing that the residues are not significantly affected by the hazardous waste-burning activities. The "significantly affected" test is found in s. NR 666.112 Wis. Adm. Code.

The LDR off-site notification requirements would not apply to the generator or the facility’s hazardous waste if it is burned for energy recovery in a Bevill device that produces Bevill raw materials and the Bevill device’s residues are not significantly affected by its hazardous waste burning activities.

Generator LDR Notification

⁵ <https://rcrapublic.epa.gov/files/11881.pdf>

⁶ According to s. NR 668.40(5) Wis. Adm. Code, the LDR treatment standards continue to apply to characteristic wastes that no longer exhibit a characteristic when land disposed.

If the generator can assure that the conditions discussed above are all true regarding the disposition of its otherwise prohibited waste, then the generator is only required to prepare a one-time on-site LDR notification form per s. NR 668.07(1)(g) Wis. Adm. Code. If a generator cannot assure, then the full notification and certification requirements under s. NR 668.07(1) Wis. Adm. Code would apply.

Facility LDR Notification

The facility must comply with s. NR 668.07(2)(e) Wis. Adm. Code, which requires the facility to prepare the same LDR notification and certification that is required for generators, which in some cases will be the one-time LDR notification form.

7.1.8 Recordkeeping

As part of the facility's operating record, the facility documents all the waste streams that are used to make a fuel blended load (such as WIP number, manifest/line number, quantity) and all screening and analysis performed on waste performed prior to and after blending (see [Appendix D](#))

8.0 Restricted Wastes

The facility does not accept the following waste:

1. Waste codes not identified in the Part A Application (see Appendix C)
2. Radioactive Waste.
3. Conventional or chemical ordnance.

9.0 Manifest and Bill of Lading Discrepancies

The facility reviews each manifest and bill of lading to verify that all required information has been entered. If the required information is missing or incorrect, then the facility contacts the generator for the missing information or for the correct information. The facility documents these changes in the facility operating record. The manifest or bill of lading identifies the approved WIP number for each waste stream.

Manifest and bill of lading discrepancies are to any of the following:

1. Significant discrepancies in quantity, including but not limited to any of the following:
 - a. For bulk waste, variations greater than 10% in weight or volume.
 - i. Bulk containers able to be forklifted such as cubic yard boxes and totes will be weighed on the scale.
 - ii. Bulk material in tanker trucks will be evaluated utilizing the tank volume gauge on tanker trucks.
 - b. For batch waste, any variation in piece count, such as a discrepancy of one drum in a truckload.
2. Significant discrepancies in type are obvious differences which can be discovered by inspection or waste analysis, such as:
 - a. Waste solvent substituted for waste acid.
 - b. Solid material substituted for a liquid.
 - c. Orange waste substituted for gray waste
3. Rejected wastes based on the Level I, II, and III evaluation and analyses, which may be a full

or partial shipment of hazardous waste that the facility cannot accept.

4. Container residues, which are residues that exceed the limits for empty containers set forth in s. NR 661.0007(2) Wis. Adm. Code.

The facility follows the procedures in section s. NR 664.0072(3) Wis. Adm. Code to address manifest discrepancies – including those VSQGs who use a manifest. The facility also resolves discrepancies related to waste on bill of ladings. In addition to following s. NR 664.0072(3) Wis. Adm. Code the facility also does all the following:

1. Decide if the waste can be accepted by the facility despite the discrepancy. This may require obtaining addition information from the generator, and involves a determination whether the facility, and the destination facility, can manage the waste in a manner that is safe, effective, and in accordance with the conditions of the facility's license
2. If the waste cannot be accepted, reject it in accordance with section and section [8.0 Restricted Wastes](#) of this WAP.
3. Perform a WIP re-evaluation to determine if a new or revised WIP is necessary. This could involve acquiring a new or modified WIP from the generator for re-evaluation and re-certification. The new or revised WIP is then subject to the Pre-Qualification process described in section [2.0 Waste Prequalification](#) of this WAP.
4. Maintains records that document proper completion of the above actions. Refer to section [17.0 Recordkeeping and Reporting](#) of this WAP for recordkeeping.
5. Prior to accepting additional waste from the generator having a discrepancy as described in this section of the WAP, the facility requires the generator to submit documentation (e.g., e-mail) describing what caused the discrepancy and what action(s) will be taken to prevent that discrepancy from occurring in the future.

Additional information and requirements regarding discrepancies is provided in sections [5.0 Shipment Screening, Analysis, and Acceptance](#) to [5.5 Final Acceptance and Placement of Waste in Storage](#) and section [10.0 WIP Discrepancies](#) of this WAP.

10.0 WIP Discrepancies

Section NR 664.0013(1)(a) Wis. Adm. Code requires the facility to know how to treat, store, and dispose of the waste it receives from off-site in accordance with chs. NR 664 and 668 Wis. Adm. Code and the facility's conditions of its RCRA license. Therefore the facility must ensure that the information in the WIP including the LDR document is correct.

If there is a discrepancy (e.g., discrepancy in pH, flammability, etc.) between the waste received at the facility and the waste's WIP, then the facility performs one of the following to resolve the discrepancy:

1. Attempt to resolve the discrepancy by contacting the generator and requesting additional information in order to do one of the following:
 - a. Decide if the waste can be accepted by the facility under the existing WIP despite the discrepancy. This involves a determination whether the facility can manage the waste on-site in a manner that is safe, effective, and in accordance with the conditions of the facility's RCRA license.
 - b. If the generator is unable to provide an explanation, perform the necessary analysis to fully characterize the waste. Refer to section [5.2 Level II Analysis](#) of

this WAP for the procedures associated with a Level II analysis.

- c. Perform a new WIP evaluation. This will involve acquiring a new WIP from the generator for evaluation and certification. The new WIP is then subject to the Pre-Qualification process described in section [2.0 Waste Prequalification](#) of this WAP.
2. Decide to reject the waste by following the procedures in the Rejection Policy in section and section [11.0 Rejection of Inbound Hazardous Waste](#) of this WAP.

Once the discrepancy is resolved, have the generator provide a written corrective action plan to the facility that describes the reason for the discrepancy and actions to be taken to prevent re-occurrence. Records must be maintained that document proper completion of the above actions. Refer to section [17.0 Recordkeeping and Reporting](#) of this WAP for recordkeeping.

Additional information and requirements regarding discrepancies is provided in sections [5.0 Shipment Screening, Analysis, and Acceptance](#) to [5.5 Final Acceptance and Placement of Waste in Storage](#).

11.0 Rejection of Inbound Hazardous Waste

The facility follows the procedures set forth at s. NR 664.0072(4) to (7) Wis. Adm. Code when rejecting hazardous waste containers. In addition to following s. NR 664.0072(4) to (7) Wis. Adm. Code the facility also does all of the following:

1. Place the rejected hazardous waste in the facility's quarantine area.
2. Clearly label each rejected hazardous waste container with the words "Rejected"
3. Ensure that the rejected hazardous waste is safely and properly containerized
4. Maintains records that document proper completion of the above actions. Refer to section [17.0 Recordkeeping and Reporting](#) of this WAP for recordkeeping.

When a rejected waste is sent back to the generator, the facility will promptly notify the WDNR's TSD inspector via email and provide written notification to WDNR of this rejected waste occurrence within 3 days of the date the waste was shipped.

Additional information and requirements regarding discrepancies is provided in sections [5.0 Shipment Screening, Analysis, and Acceptance](#) to [5.5 Final Acceptance and Placement of Waste in Storage](#) and section [10.0 WIP Discrepancies](#) of this WAP.

12.0 Outbound Hazardous Wastes Shipments

Whenever a shipment of hazardous waste is initiated from the facility, the facility complies with the waste determination and recordkeeping requirements in s. NR 662.011, Wis. Adm. Code, the generator's manifesting requirements under subchapter B of ch. NR 662 Wis. Adm. Code and s. NR 664.071(3) Wis. Adm. Code, the LDR requirements of s. NR 668.07 Wis. Adm. Code, and the exception reporting requirements in s. NR 662.042(1) Wis. Adm. Code when a signed copy of the manifest is not received within 35 days of the date the waste was accepted by the initial transporter.

For wastes generated from the operation of licensed units and to comply with generator waste determination requirements, the facility may rely on, as acceptable knowledge, information from the applicable WIP(s) provided by the original waste generator(s), but only if this information demonstrates compliance by the original generator with waste determination requirements in s. NR 662.011, Wis. Adm. Code. Examples of these sorts of wastes are:

- Trans-shipped wastes
- Consolidated or bulked wastes
- Lab-packed wastes
- Blended fuels
- Spill cleanup residues
- Contaminated PPE
- Used containers

13.0 Waste Sampling

Samples used for waste determinations and Level I, II and II analyses must be representative and the procedures for collecting these representative samples are identified below. Sampling equipment is typically constructed of non-reactive materials such as glass, PVC plastic, aluminum, or stainless steel. Care is taken in the selection of the sampling device to prevent contamination of the sample and to ensure compatibility of materials. For example, glass bottles are not used to collect hydrofluoric acid wastes.

Collected samples are to either be returned to their original container or combined with compatible materials prior to shipment off-site for proper disposal. Any “waste” material generated by sampling activities is either returned to the original waste container or the facility utilizes a new container.

13.1 Sampling Methods

The methods and equipment used for sampling waste vary with the form and consistency of the waste to be sampled. The facility selects the most appropriate representative sampling methods, techniques, devices, and containers from those included/described in either the EPA document “Test Methods for Evaluating Solid Wastes” (SW-846) or the “American Society for Testing and Materials” (ASTM) standards. A representative sample is defined as a sample exhibiting average properties of the whole waste (NR 660.10(101) Wis. Adm. Code).

The facility’s sampling procedures are included in [Appendix C](#) of this section.

13.2 Sampling Personnel

All sampling is performed by facility personnel who have been trained in proper sample collection. This training is documented in the operating record, including at a minimum the description of the training contents, the name of the trainer(s), the name of the individual trained, and the date.

13.3 Sample Documentation

Samples collected for on-site Level I analysis are documented utilizing the Level I QA/QC checklist (see [Appendix F](#)).

All Level II and III sampling are documented utilizing the Level II/Level III QA/QC Checklist included in [Appendix G](#) of this section. Chain-of-custody forms are used for tracking Level II and Level III samples sent for off-site laboratory analyses and testing. The specific chain of custody form will be based on the 3rd party lab utilized.

13.4 Sample Labels

Labels are affixed to each sample container prior to, or at the time of, sampling. At a minimum, the labels include the following information:

1. Name of sample collector
2. Date of collection
3. Unique container number, which can be used to quickly identify the generator name, waste name, WIP number, and WIP information.
4. A unique sample container number sticker, that matches (or references) the unique container number
5. Instructions (e.g., Level I, II or III analysis)

Samples sent to outside labs must be accompanied by instructions and chain of custody documentation. The specific chain of custody form will be based on the 3rd party lab utilized.

Labels are affixed after the sample has been inserted and the sample container is sealed such that the sample container cannot be opened without disfiguring the label, thereby flagging those instances that other wastes or materials may have been introduced into the sample.

14.0 Parameters and Rationale

Table 3 summarizes the analytical parameters and rationales used to determine the general and specific characteristics of a waste stream, and tolerance limits for use in identifying discrepancies. ASTM and SW-846 are used as guidelines in developing the following analytical methods:

Table 3: Analytical Parameters and Rationales

Parameter	Method Number	Reference Method(s)	Rational for Selection
Physical Description	M-1	Not applicable	Used to determine the general characteristics of the waste stream. This facilitates subjective comparison with WIP information regarding physical characteristics of the waste. Facility personnel check for appearance, color, layering, and viscosity. If an odor is detected, then note if the odor is applicable to the waste. Tolerance limits: Must match description in WIP
pH	M-2	SW-846 test methods 9040C or 9041	Required of all water-bearing liquid, solid, and semi-solid waste streams to determine the corrosivity of the waste. The apparent pH of non-aqueous waste is also performed. Tolerance limits: D002 waste that are acids should have an acidic pH (<3) while wastes that are bases should have a caustic pH (>12). Wastes without a D002 should be within their expected range listed on the WIP
Ignitability	M-3	ASTM D93-79, D	Indicates the fire-producing potential of the waste and determines whether the waste is a D001 ignitable waste. This

		93–80, or D 3278–78	<p>test is applied to all wastes (including liquids, solids, and sludges).</p> <p>Tolerance limits: D001 wastes such as a flammable liquid waste must flash at <140F and flammable solids should maintain combustion. Wastes without a D001 should not flash at <140F and not maintain combustion when exposed to open flame. These results must align with the ranges provided in the material's WIP.</p>
Water Reactivity	M-4		<p>Used to determine whether the waste has a potential to react with water to generate heat, flammable gases, or other products. The test does not apply to wastes already in contact with excess water.</p> <p>Tolerance limits: Must match description in the WIP. D003 reactive waste material should have an adverse reaction when exposed to water while wastes not bearing a D003 for reactive should have no reaction when exposed to water.</p>
Reactive Sulfides Screen (Spot Test)	M-5	ASTM D4978	<p>Used to indicate whether the waste produces hydrogen sulfide upon acidification below pH 2. It is not required if the pH of the waste is <6 or if the waste is not water-soluble.</p> <p>Tolerance limits: Must match description in the WIP.</p>
Reactive Cyanides Screen (Spot Test)	M-6		<p>Indicates whether the waste produces hydrogen cyanide upon acidification below a pH of 2. It is not required for wastes with pH <6 or if the waste is not water-soluble.</p> <p>Tolerance limits: Must match description in the WIP.</p>
Oxidizer Screen	M-7		<p>A general qualitative test used to determine if a waste is an oxidizer. Oxidizers have the potential to react with a wide range of wastes and therefore often need to be segregated.</p> <p>Tolerance limits: Must match description in the WIP.</p>
Specific Gravity	M-8		<p>Used in conjunction with other test data to determine probable characteristics of materials and their conformance to the WIP.</p> <p>Tolerance limits: +/- 10% of value reported in the WIP</p>
Percent Suspended Solids	M-9	EPA method 160.2	<p>Used in conjunction with other test data to determine probable characteristics of materials and their conformance to the WIP.</p> <p>Tolerance limits: +/- 10% of value reported in the WIP</p>
Chlorine (Spot Test)	M-10		<p>Indicates if the material is chlorinated. Information is used to check conformance to the WIP.</p> <p>Tolerance limits: Must match description in the WIP</p>
Polychlorinated	M-11	SW-846 8082	Determines PCB content in order to verify WIP information and

Biphenyls Screen			<p>assess applicability under TSCA.</p> <p>Tolerance limits: Must match description in the WIP. If a WIP states no PCBs then an analysis should show the concentration as not detected. A WIP stating PCBs are present should be within the respective range, either 1-49ppm, 50-499ppm, or >500ppm</p>
TCLP	M-12	SW 846 test method 1311 for digestion	<p>Used to determine the leachable concentration of the 40 constituents listed in s. NR 661.0024 Wis. Adm. Code.</p> <p>Tolerance limits: +/- 20% of value reported in WIP</p>
Compatibility Testing	M-13	ASTM D5058 ASTM D4981	<p>Prior to a waste being commingled with other wastes, the waste is tested to verify compatibility. Liquid or sludge wastes are combined in a manner to simulate the commingling in order to assess their compatibility.</p> <p>Tolerance limits: NA</p>
Heat Content	M-14	ASTM D240 ASTM D5468	Indicates if the waste meets the minimum BTU value required for fuel blending. The fuel blended waste must have adequate heating value to ensure its use for energy recovery.
% Water	M-15	SW-846 Method 9000	Indicates if the waste meets the criteria for fuel blending.
Total Halogens	M-16	SW-846 Method 9056A	Indicates if the waste meets the criteria for fuel blending.

15.0 Test Methods

The test methods used to confirm that the waste received by the facility conforms to the corresponding WIP are described below. Each layer or phase in a container is subject to these test methods.

M-1: Physical Description

The physical examination includes, at a minimum, appearance, color, layering, viscosity, and odor if detected. The physical description includes:

1. Color.
2. Physical state (% solid, % sludge, % liquid).
3. Layers/phases (single, bi-layered, multi-layered).
4. Viscosity.
5. If an odor is detected, then note if the odor is applicable to the waste.

If necessary, a COLIWASA or sample thief is used to check for layering and to determine the approximate percentage of each different layer (e.g., solid, sludge, aqueous liquid, oily liquid, light liquids). Containers of solids and semi-solid should be examined with augers or shovel-like devices to identify the presence of differing materials. These same sorts of devices can also assist in gathering a representative sample. Representative samples must properly represent all phases, layers, and other varying components of the waste.

M-2: pH Screen

The pH of liquids and sludges is measured using SW-846 test methods 9040C or 9041.

The pH of a solid is measured by placing 20 grams of the sample into a cup and adding 20 milliliters (ml) of deionized water to the mixture and then stirring for 30 seconds. The pH of the slurry is then taken and recorded using SW-846 test methods 9040C or 9041.

M-3: Ignitability

The ignitability screen is determined by using a Pensky–Martens Closed Cup Tester (using the test method specified in ASTM Standard D 93–79 or D 93–80) or a Setaflash Closed Cup Tester (using the test method specified in ASTM Standard D 3278–78).

M-4: Water Reactivity

The water reactivity of a liquid or solid is determined by adding approximately 3 mL of water to 0.1 mL of liquid or 0.1 gram of solid. The mixture is observed to detect heating (more than 15^o C temperature rise) or turbulent gas evolution (more than 10% of the mixture volume). If the mixture reacts as described above, the test is considered positive. If the addition of water causes the material to be considered reactive under any definition of s. NR 661.0023 Wis. Adm. Code, then the material is considered water reactive.

M-4: Reactive Sulfides Screen (Spot Test)

2 to 4 drops of the material are placed on a spot plate. Then, a strip of lead-acetate paper moistened with 1 drop of water is placed over the spot plate cavity containing the waste. Next, 2 to 3 drops of 3M HCl are added. Black PbS forms in the paper after 0.5 to 1 minute if sulfide is present.

M-5: Reactive Cyanides Screen (Spot Test)

Cyanide is determined by placing 2 to 4 drops or a small spatula tip of the sample on a spot plate. Two drops of water are then added to the waste. Next, one drop of chloramine-T solution followed by one drop of pyridine-barbituric acid solution is added to the waste. If the solution turns dark red or carmine after 10 to 30 seconds, this is a positive response.

The presence of cyanide can be detected above 60 ppb in aqueous samples (3 drop size) and 10 ppm in solid samples (1-gram size).

Reagents:

1. Chloramine-T solution: 1 gram of Chloramine-T is dissolved in 100 ml of distilled water.
2. Pyridine-barbituric acid: 1.5 g of barbituric acid is mixed with 5 mL of water and 7.5 mL of pyridine. The mixture is treated with 1.5 mL of concentrated HCl and diluted to 25 mL.

M-7: Oxidizer Screen

The method used is a qualitative examination for the presence of oxidizing materials in liquid, sludge, and solid samples.

Liquids and Sludges: The procedure for liquid and sludge waste consists of wetting a strip of KI-

Starch paper in HCl. The wetted strip is then dipped into the sample. The color change is then noted. If the color turns light brown to dark purple or black, then the result is interpreted as positive, and the waste is managed as an oxidizer. The color is indicative of the type of oxidizer present.

Solids: The procedure requires that 2 mL of deionized water be added to 11 grams of sample. The mixture is then stirred for 30 seconds. A strip of KI-starch paper is wetted in HCl and then dipped into the slurry. The color change of the KI paper is then noted. If the color turns light brown to dark purple or black, then the result is interpreted as positive, and the waste is managed as an oxidizer. The light brown color is indicative of nitric acid while the purple/black color results from the presence of peroxides.

M-8: Specific Gravity

The Specific Gravity of a liquid is determined by weighing 10 mL of the sample (at room temperature) and dividing this value by 10. The alternate method of using a hydrometer may be used if sufficient sample is present.

M-9: Percent Suspended Solids

EPA method 160.2 is used to determine total suspended solids

M-10: Chlorine (Spot Test)

A small amount of the sample is placed in a test tube. Litmus paper is placed over the sample as heat is applied. A red coloration of the paper indicates the presence of chlorine. An additional test is done by placing a small amount of the material in a flame on a wire loop. A green color indicates the presence of chlorine.

M-11: Polychlorinated Biphenyls Screen

EPA method 8082 is used to determine PCB content.

M-12: Toxicity Characteristic Leaching Procedure (TCLP)

TCLP test using SW 846 test method 1311 for digestion and one or more of the following analytical methods to analysis the leachate (see Figure 1: TCLP Analytical Requirements). For waste that are 100% physical solid (i.e., contains no filterable liquids) the total concentration can be used in lieu of TCLP test when the total concentration for that analyte is less than 20 times the TCLP value for that TCLP analyte.

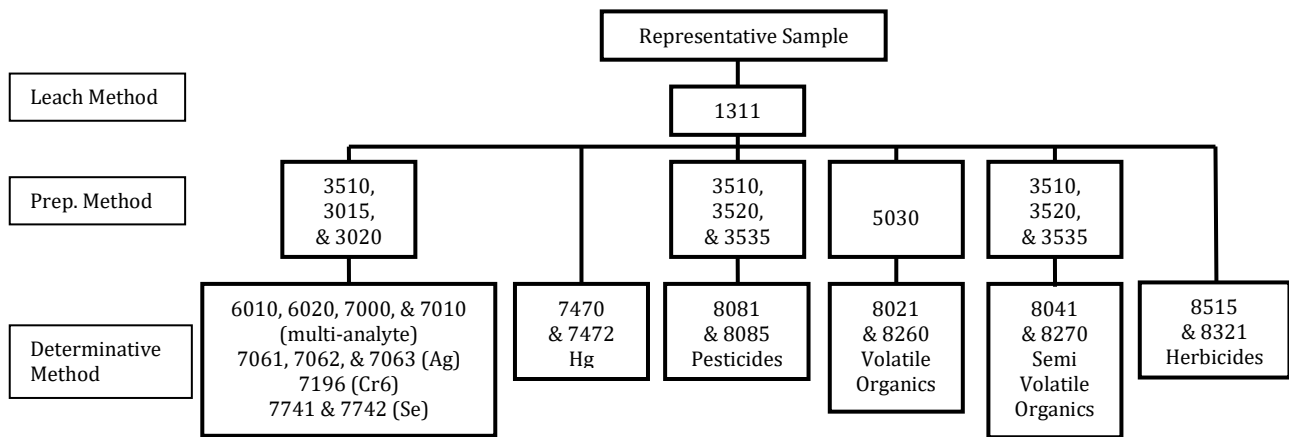


Figure 1: TCLP Analytical Requirements

M-13: Compatibility Testing

To determine if the wastes are compatibility prior to commingling, the facility performs a bench-test to simulate the bulk mixture process. The bench test involves mixing representative samples of the waste to be blended (each must be at the same temperature) and then observing the mixture for undesirable chemical reactions such as bubbling, splattering or frothing, heat rise, and/or hazardous polymerization. This is done under controlled conditions by personnel trained to assess and manage chemical reactions.

More specifically, I mixture is observed for the following:

1. Evolution of gas characterized by bubbling or foaming.
2. Heat release evidenced by a temperature increase of more than 15 degrees over the measured temperature.
3. Polymerization of the mixture to an un-pumpable viscosity within 30 minutes.
4. Miscibility or the formation of layers.
5. Precipitate formation.
6. Emulsification.
7. Any other indication of heat or pressure, fire or explosion, violent reaction, toxic dusts, mists, fumes, or gases, or flammable fumes or gases.

If the facility observes any of these conditions, then the wastes are considered incompatible and cannot be mixed.

M-14: Heat Content

The heating content (i.e., BTU value) is determined using an oxygen bomb calorimeter.

M-15: % Water

The % Water present in a sample is determined using a Karl Fischer Titrator. ASTM D6304-20 or SW-846 method 9000

M-16: Total Halogens

The Total Halogens (Chlorine, Fluorine) is determined using the cup wash from an oxygen bomb calorimeter analyzed by Ion-Chromatography. ASTM D4327-17

16.0 Quality Assurance and Quality Control

The following quality assurance/quality control (QA/QC or “quality”) information for this facility is being provided as required by s. NR 670.030(5) Wis. Adm. Code and in accordance with the following EPA guidance documents:

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, Third Edition, Final Update I, U.S. EPA, Office of Solid Waste, Washington, DC, July 1992, Chapter One, updated editions.
2. Handbook for analytical Quality Control in Water and Wastewater laboratories, EPA 600/4-79-019, March 1979, US Environmental Protection Agency (USEPA), Environmental Monitoring and Support Laboratory (EMSL), Cincinnati, OH.

These quality protocols are applicable to waste sampling, evaluation techniques (e.g., physical appearance) and analytical methods.

16.1 Sampling Program

Individual container samples that are related may be composited prior to analysis only when appropriate to form a representative sample.

Sampling procedures are described in section [14.0 Parameters and Rationale](#) of this WAP. The selection of the sample collection device depends on the type of sample, the sample container, the sampling location and the nature and distribution of the waste components. In general, the methodologies used for specific materials correspond to those referenced in Chapter NR 661, Appendix I. The selection and use of the sampling device is supervised or performed by a person thoroughly familiar with the sampling requirements.

16.2 Analytical Program

The facility performs Level I and III physical waste evaluations and Level I analytical testing on-site. The QA/QC Plan for these analyses to be performed by the facility on-site is included in [Appendix I](#).

The facility subcontracts with an independent laboratory certified or registered under ch. NR 149 for Level II and III analyses. The facility and these laboratories have developed programs of analytical quality control practices and procedures to ensure that precision and accuracy are maintained. These programs – which include use of control standards, duplicates, spikes, and blanks – are required. Chapter NR 149 Wis. Adm. Code requires the establishment, implementation and documentation of analytical quality control protocols that are followed.

Good laboratory practices which encompass sampling, sample handling, housekeeping and safety are required and implemented by all laboratories used by the facility.

16.4 Training

All personnel that implement the procedures of this WAP will be competent and properly trained. The facility maintains and implements a training plan that describes personnel training requirements, procedures, and protocols. In addition, the facility must meet the requirements of the training requirements of NR 664.0016 and the approved training plan required by NR 670.014(2)(L) and included in the facility’s approved FPOR.

16.5 Conclusion

These sampling and analysis quality practices help ensure the data obtained are precise and accurate for the waste stream being evaluated, sampled and tested. The analytical results are used by facility management to decide whether or not to accept a particular waste and, upon acceptance, to determine the appropriate method of treatment, storage, and disposal. Results are also important to ensure that wastes are managed properly by the facility and that incompatible wastes are not inadvertently combined or improperly containerized. The quality of these results are as important as the results themselves. Thus, the quality of the analytical data, along with the thoroughness and care with which the sampling and analyses are performed and reported, provides an important basis for day-to-day operational decisions, compliance, and safety.

17.0 Recordkeeping and Reporting

Recordkeeping: The following WAP records are maintained in the facility's operating record and are made available to WDNR and EPA when requested. Unless specified otherwise, records will be retained for at least three years.

1. Documentation on how the facility obtained representative samples.
2. Documentation of any discrepancies identified by the Level I, II, and III analysis and how the facility resolved those discrepancies.
3. Results of all Level I, II, and III analysis for each waste sampled/analyzed:
 - a. If applicable, a copy of the chain of custody document. The specific chain of custody form will be based on the 3rd party lab utilized.
 - b. Copies of all applicable analytical test results and lab reports.
 - c. A copy of the generator's manifest(s).
 - d. A copy of the generator's original WIP and, if applicable, a copy of the generator's revised WIP.
 - e. Level I QA/QC checklist (see [Appendix F](#)).
 - f. Level II/Level III QA/QC checklist (see [Appendix G](#) of this WAP)
4. Records of all compatibility testing and necessary sampling and testing prior to commingling any wastes (see [Appendix D](#) of this WAP).
5. Records of analyses, corrective action plans and other actions taken under the Rejection Policy and Discrepancy Policy in this WAP.
6. The annual report that documents the frequency at which incoming shipments do or do not conform to their WIPs, based on the results of Level II and III analyses, as addressed in sections [5.0 Shipment Screening, Analysis, and Acceptance](#) of this WAP. The report must indicate the steps taken by the facility to evaluate and resolve the discrepancies, including but not limited to the development of new or revised WIPs, and measures taken to improve the facility's WAP and its implementation.
7. Other specific documentation and records as specified in this WAP.

Reporting: The following reports related to WAP activities will be provided to WDNR. All reports will be provided to the WDNR Region contact person (field inspector) assigned to the facility and to the WDNR TDSF inspector. If these individuals are not known, the Facility will contact the Hazardous Waste Section Chief for instructions.

8. Unknown waste reports discussed in section 2.0
9. Rejected waste report addressed in Section 9.1
10. Amended manifest report required in NR 664.0072(7)
11. Unmanifested waste reports required in NR 664.0076
12. All reports applicable to WAP topics required by NR 600 – 670 and by the facility license.

18.0 Corrective Action

The facility subcontracts with an independent laboratory certified or registered under ch. NR 149 for all Level II and III analyses. The facility and subcontracted laboratories have processes in place to ensure quality assurance and quality control (see Section 16.0 Quality Assurance and Quality Control of this WAP). In addition, the facility and subcontracted laboratories have methods for correcting problems when they are identified. If problems/discrepancies are found, the facility must take corrective actions, such as performing an audit of the laboratory, reviewing and revising applicable SOPs, evaluating subcontracted laboratories and entering into new subcontracts if the facility has a concern about the quality of work.

19.0 Appendices

1. [Appendix A: Waste Information Profile \(WIP\) Form.](#)
2. [Appendix B: Lab Pack Contents Form.](#)
3. [Appendix C: Standard Operating Procedures for Opening and Sampling Container.](#)
4. [Appendix D: Bulk Consolidation Tracking Sheet.](#)
5. [Appendix E: \(Reserved\)](#)
6. [Appendix F: Level I QA/QC Checklist.](#)
7. [Appendix G: Level II/III QA/QC Checklist.](#)
8. [Appendix H: Minimum WIP Contents.](#)
9. [Appendix I: Laboratory QA/QC Plan](#)
10. [Appendix J: Part A Waste Codes](#)

Appendix A: Waste Information Profile (WIP) Form



**ENVIRO-SAFE RESOURCE RECOVERY
GENERATOR PROFILE FORM**

Profile: _____

Status: _____

Process Code: _____

SECTION 1. GENERAL COMPANY INFORMATION

Generator Company Information

Generator Name: _____
Address: _____
City, State, Zip Code: _____
Contact Name: _____
Title: _____
Phone: _____
Email: _____

Billing Company Information

Company Name: _____
Address: _____
City, State, Zip Code: _____
Contact Name: _____
Phone: _____
Email: _____
Will a PO Number be Required? Yes No

Generator Status: LQG SQG VSQG/CESQG (If yes, complete VSQG/CESQG Supplemental Form) Not Applicable

EPA ID Number: _____ NAICS Code: _____ Emergency Number: (800) 424-9300 (CNN677208)

SECTION 2. PROFILE INFORMATION

Common Name: _____

Generating Process: _____

Does the Generator have a Sustainability Policy? Yes No Does the Generator have a No Landfill Policy? Yes No

SECTION 3. CHEMICAL CONSTITUENTS

List all components in the material by percentage (%) or ppm. Provide a range of typical concentration. The concentration maximum total should be equal to or greater than 100%.

The constituent information is based upon: Generator Knowledge Safety Data Sheets (attach) Analytical/Sample (attach)

Constituent	CAS Number	Range (%)	Regulatory Applicability



ENVIRO-SAFE RESOURCE RECOVERY
GENERATOR PROFILE FORM

Profile:
Status:
Process Code:

If an above listed chemical constituent is applicable to one of the below regulatory requirements, please indicate applicable letter under the Regulatory Applicability field above.

- A. SARA Title III EPCRA Section 302 Extremely Hazardous Substance (EHS) (40 CFR 355, Appendix A) - Listed Chemical
B. SARA Title III EPCRA Section 311/312 Tier II Reportable (40 CFR 370) - OSHA Safety Data Sheet Required (not applicable to waste)
C. SARA Title III EPCRA Section 313 Toxic Release Inventory (40 CFR 372.65) - Listed or Categorical Chemical
D. Clean Air Act (CAA) Section 112 Hazardous Air Pollutant (HAP) (40 CFR 61) - Listed Chemical
E. Clean Air Act (CAA) Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F) - Listed Chemical
F. Clean Air Act (CAA) Listed CERCLA Hazardous Substance (40 CFR Part 61 Subpart FF) - Listed
G. Department of Homeland Security Chemicals of Interest (6 CFR Part 27 Appendix A) - Listed Chemical
H. EPA Ozone Depleting Substance - Listed Class I or Listed Class II
I. Benzene NESHAP (40 CFR Part 61, Subpart FF)

SECTION 4. PHYSICAL PROPERTIES

Color: Odor: VOC (%):
Water (%): Halogens (%): Chlorine (%):
Physical State: Liquid Solid Gas (at 70°F)
Liquid Phase: Single Double-Layer Multi-Layer N/A
Solid Phase: Slurry Dust/Powder Debris Other
pH: <=2 (acid) 2.1 - 4.0 4.1 - 10.0 10.1 - 12.4 >=12.5 (base) N/A
Flash Point: <=73°F 73° - 140°F 141° - 200°F >=200°F N/A
Heat Content: <=3,000 btu 3,000-5,000 btu 5,000-10,000 btu >=10,000 btu
Viscosity: Low Medium High

SECTION 5. ADDITIONAL PROPERTIES

Physical Hazards (check all that apply)

- Air Reactive Flammable Solid Reactive Sulfides
Combustible Liquid Organic Peroxide Shock Sensitive
Compressed Gas Oxidizer Temperature Sensitive
Flammable Aerosol Polymerization Unstable Reactive
Flammable Gas Pyrophoric Water Reactive
Flammable Liquid Reactive Cyanides Other

Health Hazards (check all that apply)

- Carcinogen Inhalation - Poison Skin Irritant
Corrosive Irritant Target Organ
Eye Irritant Respirator Toxin Toxic Agent
Highly Toxic Agent Sensitizer Other

Constituents of Concern (check all that apply)

Please indicate if the below are contained within the waste. If so, ensure it is listed and the amount indicated under Section 3.

- Asbestos Benzene Dioxins Isocyanates Mercury
Nitrocellulose PCBs (1) TCLP Metals TCLP Volatiles TCLP Semi-Volatiles
Other:

(1) If marked, complete and attach PCB Supplemental Form.



ENVIRO-SAFE RESOURCE RECOVERY GENERATOR PROFILE FORM

Profile: _____

Status: _____

Process Code: _____

SECTION 6. RCRA CHARACTERIZATION AND LAND DISPOSAL RESTRICTION

RCRA Exemption or Exclusion (check all that apply)

- | | | |
|---|--|--|
| <input type="checkbox"/> Electronic Waste | <input type="checkbox"/> Infection Waste (Bio-Hazardous/Sharps) | <input type="checkbox"/> Universal Waste |
| <input type="checkbox"/> Fuel Exemption Waste | <input type="checkbox"/> RCRA Empty Container | <input type="checkbox"/> Used Oil ⁽²⁾ |
| <input type="checkbox"/> Hazardous Secondary Material | <input type="checkbox"/> Solvent Exempt Wipes Waste ⁽¹⁾ | <input type="checkbox"/> Other _____ |

(1) If marked, complete and attach Solvent Exempt Wipes Supplemental Form.

(2) If marked, complete and attach Used Oil Supplemental Form.

RCRA Waste Codes: _____ State Waste Codes: _____

RCRA Source Code: _____ RCRA Form Code: _____

LDR Subcategory: _____ VOC Subpart CC: <500 ppmw ≥500 ppmw

This waste is a: Wastewater (<1% TSS & TOC) Non-Wastewater

Are UHCs present in excess of the UTS standard (40 CFR 268.40)? Yes (List) No

Are Applicable Constituents Requiring Treatment in F001-F005, F039, Debris and Alternative Soils (40 CFR 268.48)? Yes (List) No

Is this waste being managed under one of the following alternative LDR treatment standard.

- Lab Packs (subject to 40 CFR 268.42(c)) Debris (subject to 40 CFR 268.45) Soil (subject to 40 CFR 268.49)

SECTION 7. SHIPPING AND CONTAINER INFORMATION

DOT Proper Shipping Name: _____

Hazard Class: _____ UN/NA: _____ PG: _____ RQ: _____

ERG Number: _____ DOT Special Permit: _____ Inhalation Hazardous Zone: _____

- Container Type:
- | | | | | |
|--------------------------------------|--|--------------------------------------|--------------------------------------|---|
| <input type="checkbox"/> Steel Drums | <input type="checkbox"/> Plastic Drums | <input type="checkbox"/> Fiber Drums | <input type="checkbox"/> Supersac | <input type="checkbox"/> Cubic Yard Boxes |
| <input type="checkbox"/> Totes (IBC) | <input type="checkbox"/> Pails | <input type="checkbox"/> Bulk | <input type="checkbox"/> Pallet | <input type="checkbox"/> Overpack |
| <input type="checkbox"/> Bulb Box | <input type="checkbox"/> Roll-Off | <input type="checkbox"/> Cylinder | <input type="checkbox"/> Other _____ | |

- Container Size:
- | | | | | |
|-------------------------------------|------------------------------------|--------------------------------------|------------------------------------|-------------------------------------|
| <input type="checkbox"/> 5-Gallon | <input type="checkbox"/> 16-Gallon | <input type="checkbox"/> 30-Gallon | <input type="checkbox"/> 55-Gallon | <input type="checkbox"/> 275-Gallon |
| <input type="checkbox"/> 330-Gallon | <input type="checkbox"/> Bulk | <input type="checkbox"/> Other _____ | | |

- Container Contents:
- | | | | | |
|-----------------------------------|-------------------------------------|--------------------------------|-----------------------------------|---------------------------------|
| <input type="checkbox"/> Liquid | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solid | <input type="checkbox"/> Debris | <input type="checkbox"/> Powder |
| <input type="checkbox"/> Lab Pack | <input type="checkbox"/> Loose Pack | <input type="checkbox"/> Vials | <input type="checkbox"/> Aerosols | <input type="checkbox"/> Gas |

Quantity: _____ One-Time Weekly Monthly Yearly

SECTION 8. GENERATOR CERTIFICATION

I hereby certify that I am familiar with the waste/material and all information (including attachments) is complete, true and is an accurate representation of the known and suspected hazards pertaining to waste/material described herein and no available information has been omitted or falsified. I certify If there are any changes to the character or regulatory status of the profile, the generator shall promptly notify Enviro-Safe. I authorized Enviro-Safe personnel to be an authorized agent of the generator to act on their behalf to conduct complete or conduct corrections to the profile, supplemental forms and/or shipping documents provided such changes are documented.

Name: _____ Title: _____

Signature: _____ Date: _____

Appendix B: Lab Pack Contents Form



ENVIRO-SAFE RESOURCE RECOVERY CONTAINER INVENTORY SHEET

DATE: 09-01-2022 PAGE: 1 of 1
EPA ID #: WID000000000 PROFILE #: 8411-3
CUSTOMER NAME: ABC Company REC FACILITY: ABC Facility
CUSTOMER ADDRESS: 1234 North Street APPROVAL #: 1234567
Milwaukee, WI 53233 CONTAINER: SIZE: 5 TYPE: DF
SHIPPING DESCRIPTION: UN3265, Waste Corrosive liquid, acidic, organic, n.o.s. (Trichloroacetic Acid, Sulfuric Acid), 8 , II

Waste Description	Physical Form	Qty	Size	UOM	Container Type	EPA Waste Codes
Hydrochloric Acid	Liquid	1	1	L	Glass	D002
Sulfuric Acid 2.5N	Liquid	1	1	L	Glass	D002
Trichloroacetic Acid	Liquid	2	120	ML	Glass	D002

Appendix C: Standard Operating Procedures for Opening and Sampling Containers

Sampling of Containers

Coliwesas, tubes, drum thieves, and corers are examples of the devices used to sample containers. Samples are taken from locations displaced both vertically and horizontally throughout the waste. For liquids (or liquids with precipitated solids), the sample collector uses a Coliwasa or equivalent. The sampling device is inserted into the container from the top and is pushed down slowly until the bottom of the container is reached. The device is sealed to retain the contents. The contents of the sampling device are then transferred to a polyethylene or glass bottle that is labeled with waste identification information.

A corer or equivalent device is used to sample containers that are solid in nature. These containers are generally filled with dirt and sludges. Several areas from the container are sampled and composited into a sample jar in order to ensure a representative sample. The sample collector removes a sample that uniformly represents the waste composition of the container (i.e., all layers and phases are represented in the sample).

When a container contains waste with multiple layers or phases, particular care must be taken to ensure that a representative sample (or samples) is obtained to ensure that each phase/layer is represented.

Sampling of Bulk Material

Bulk solids are sampled using a simple random sampling strategy. The bulk solids container, usually a roll-off box or a dump trailer, is divided into sections. A corer or other similar device is used in each section to draw a sample from varying depths as needed for a representative sample. On occasion, a shovel is used to access lower levels of a bulk container. The samples are composited together so that there is one sample that represents that particular bulk solids shipment.

Bulk liquids are sampled using a Coliwasa or similar device that can sample vertical anomalies. Each compartment of tanker truck is sampled. Compartment samples from the same generator and waste stream are not composited prior to analysis.

Tank trucks without manways are sampled through a valve. The valve is flushed prior to the sample being drawn.

Debris

Not all wastes are amenable to sampling (e.g., universal waste batteries, CRTs, lamps or ballasts, lab packs, etc.). A container of debris often contains a wide variety of materials. For example, it may contain spill absorbent, Tyvek suits, rubber booties, gloves, and paper towels. It may be difficult to obtain a representative sample.

Frozen Waste

The facility does not sample waste that is frozen. The container is labelled as quarantined and remains in the receiving area or placed in a licensed storage area until the waste can be sampled and be stored on pallets.

Appendix D: Bulk Consolidation Tracking Sheet

Repack Drum Details

Outbound Container #:	Outbound Profile #:	Common Name:							
Container Type/Size:	Weight:	Volume:			Storage Location:				
Generator	Inbound Drum	Inbound Profile	Common Name	Process Code	Process Date	Type/Size	Weight	Volume	Location

Appendix E: (Reserved)

Appendix F: Level I QA/QC Form



LEVEL I QA/QC INSPECTION FORM

Company Name: Address: City, State, Zip: Company Notes:	Sales Order #: Load #: Document #: Uniform Manifest #:	Pickup Date: Received Date: Transporter: Sampler:
--	---	--

Profile No.:	Description:	Approval No.:	Process Code:	Line:	Sample Required:						
Profile Notes:											
Sampler Notes:											
Container No.	Type Size	Weight	Color (M-1)	Odor (M-1)	Viscosity (M-1)	pH (M-2)	Ignitability (M-3)	Compatibility (M-13)	Heat Cont (M-14)	Water % (M-15)	Halogens (M-16)

Appendix G: Level II/III QA/QC Form

Lab Analysis Report

Analysis Number:

Generator Number:

Analysis Type:

Generator Name and Location:

Basis / Line:

Profile Number:

Analyzed Date:

Sample Date:

Analyst ID:

Sample Type: Single or Composite

Analysis	Low	Hi	UM	Indicate	Method	Alternate Value	Recommendation

Appendix H: Minimum WIP Contents

Generator Information:

- Name
- Address
- County
- Contact name and his/her contact information
- EPA ID number
- If no ID number whether the Generator is a Very Small Quantity Generator
- Generator NAICS code(s) related to the activity generating the material

Basic Waste or Material Information:

- Common name
- Generating process description (including details such as flowcharts as needed)
- Material composition and contaminants (percent by weight or ppm); total must be \geq 100%
- State waste code(s) (if generated outside of Wisconsin)
- Whether the waste is a universal waste
- Color(s)
- Odor(s)
- Physical State(s) at 70F, e.g., solid, sediment, liquid, semi-solid, multi-phased); if multi-phased, each phase should be identified and distinctly described
- Free liquid %
- Viscosity (e.g., low, medium, high)
- Flash point (ranges are acceptable, such as <140F, 140F-199F, \geq 200F)
- pH
- Whether the material has any of the following attributes or constituents:
 - Oxidizer
 - Shock sensitivity
 - Water or air reactive
 - Reactive cyanides
 - Reactive sulfides
 - Organic peroxide
 - Hexavalent chromium
 - Explosive
 - Dioxin
 - PCBs
 - PFAS
 - Benzene
 - Infectious
 - Radioactive
 - Chelating agent
 - Lachrymator (tear-inducing)
 - Polymerizer
 - Pyrophoric
 - Presents an inhalation hazard (packing group and hazard zone)
 - Asbestos
 - Halogens
 - Contaminants for the toxicity characteristic per NR 261.024 (Table 1)
 - Hazardous Air Pollutants
 - Class I or Class II ozone-depleting substances
 - EPCRA 313 chemicals identified in 40 CFR 372.65
 - Chemicals of Interest listed in 6 CFR Part 27 Appendix A (Department of Homeland Security)

Analytical and Other Information:

- Whether the waste determination is based on testing, generator knowledge, and/or SDS or

product specifications

- Description of sampling method and date associated with analytical information
- Verification that the sample(s) was a representative sample in accordance with NR 661
- Analytical information (WIP should identify any attached reports) to describe detailed material composition and contaminants
- Other generator information (e.g., SDSs and how SDS applies; any generator knowledge contributing to the waste determination under NR 662.011)

Regulatory Information:

- All EPA Waste code(s)
- All State waste codes (if generated outside of Wisconsin)
- Whether the material is a used oil (if so, identify the halogen content and any chlorinated constituents)
- Whether the material not a solid waste because of an exclusion (if so, identify the exclusion, e.g., HSM)
- Whether the material not a hazardous waste (or from certain regulations) because of an exclusion (if so, identify the exclusion, e.g., cement kiln dust)
- Whether the material not a hazardous waste due to treatment or delisting; if so, identify the reason, such as treated hazardous waste debris, treated hazardous characteristic waste, documentation of delisting)
- Whether the waste is a wastewater stream (contains <1% Total Organic Carbon & <1% Total Suspended Solids) or a non-wastewater
- Identification of all Underlying Hazardous Constituents
- Applicability of other applicable regulatory provisions, such as
 - The generator's industry is regulated under benzene NESHAP (if so, include detailed information to address off-site TSD requirements)
 - The material is generated by a remediation subject to 40 CFR 63 GGGG
 - The material is generated by a CERCLA or NR 140 remediation
 - NRC radioactive or NORM material (if regulated, provide relevant analytical information)
- Whether the material contains PCBs. If so:
 - Is it regulated under 40 CFR 761?
 - Is it exempted under 40 CFR 761.61(a) for remediation?
- Is it regulated as untreated medical waste, or does it present a risk of infection?
- Does the material contain asbestos (if so, is it non-friable, friable, or regulated non-friable)?
- If a waste, was it imported into the U.S.
- Whether the material is subject to the Alternate Debris Standards of NR 268.045
- Whether the material is subject to the Alternate Soil Standards of NR 268.049
- Whether the material is exempt from NR 664 Subchapter CC controls, If so:
 - Whether the waste meets LDR or treatment exemptions for organics per NR 664.1082(3)(a) or (3)(d)
 - Whether the waste contains VOCs averaging less than 500 ppmw per NR 664.1082(3)(a)
- Does the material contain any Hazardous Air Pollutants?
- Does the material contain any Class I or Class II ozone-depleting substances?
- Is the material and oxidizer as defined in 49 CFR 173.127 (a)?

Shipping Information:

- Whether it is from a one-time event or ongoing activity
- Estimated quantity (per one-time event, year or month)
- Container type and size
- USDOT proper shipping name(s), technical name(s) and hazard class(es)/division(s)

Generator Certification:

- That the WIP and all attached information is true, accurate and complete
- That the WIP includes all information that generator relied on to comply with NR 662.011
- That any changes to the character or regulatory status of the material is promptly reported to the TSDf

Authorized Agent Certification (if applicable):

- Certification that the agent/broker has confirmed with the generator that all WIP and attached information is true, accurate and complete
- Certification that the authorized agent is legally authorized by the generator to act on his/her behalf

Examples of Attachments or Supporting Documents to the WIP

- Laboratory analytical reports used to support the WIP information
- Representative sampling description
- Information that cannot fit within the space provided in the WIP form but is needed to support the WIP entry
- WIP Approval and conditions
- Notification to the generator of WIP approval (and conditions)
- For waste to be processed or treated at the facility, the type of treatment or processing.
- For waste to be transshipped, a destination facility(s) and management method(s)

Attachments or Supporting Documents to the WIP


- Must identify the WIP (or unique WIP number).
- Must be dated.

Appendix I: Laboratory QA/QC Plan

Appendix J: Part A Waste Codes

Referenced in Appendix C – Part A Application Package

APPENDIX I: TOTAL PREVENTATIVE MAINTENANCE AND INSPECTION PLAN

Document No.: TPM-SOP-001	Revision Date: 7/6/2022	Revision No.: 003	
Document Title: TOTAL PREVENTATIVE MAINTENANCE AND INSPECTION PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 7/6/2022	

1.0 PURPOSE

1.1 The purpose of managed maintenance and inspection is to inspect the facility for malfunctions and deterioration, operator errors and discharges which may cause, or may lead to, release of hazardous waste constituents to the environment or a threat to human health.

2.0 SCOPE

2.1 The program covers waste storage areas and containers, monitoring equipment, safety and emergency equipment, security devices and operation, and structural equipment that are important to preventing, detecting or responding to environmental or human health hazards.

3.0 LEGAL COMPLIANCE

3.1 The organization has developed this plan based upon the regulatory requirements under the Occupational Safety and Health Administration (OSHA) 29 CFR 1910, Environmental Protection Agency (EPA), Wisconsin Department of Natural Resources (WDNR) NR 600-series and the Department of Transportation (DOT) 49 CFR 172.704, local requirements and general industry standards.

4.0 DEFINITIONS

4.1 Inspection. An organized examination or formal evaluation which may involve the measurement and/or testing.

5.0 ORGANIZATION AND PERSONNEL RESPONSIBILITIES

5.1 Operations Manager. The Operations Manager shall be responsible to ensure all inspections are conducted for all facility and operational equipment by competent personnel. The Operations Manager is responsible for training the internal inspectors and ensuring that inspections are only conducted by trained and qualified personnel. In addition, the Operations Manager will facilitate any corrective action, maintenance or repair to ensure the remedy is conducted in a timely manner.

5.2 Technical Service Manager. The Technical Service Manager shall be responsible to ensure all inspections are conducted for laboratory equipment by competent personnel. The Technical Service Manager is responsible for training the internal inspectors and ensuring that inspections are only conducted by trained and qualified personnel. In addition, the Technical Service Manager will facilitate any corrective action, maintenance or repair to ensure the remedy is conducted in a timely manner.


5.3 Operators. Operators (as identified in the Training and Competence Plan) may perform inspections as assigned by the Operations Manager or Technical Service Managers.

6.0 TYPES AND FREQUENCY OF INSPECTIONS


6.1 Inspections are required to be conducted for waste storage areas and containers, monitoring equipment, safety and emergency equipment, security devices and operation, and structural equipment (such as secondary containment) which is based upon the rate of possible deterioration of a particulate area or the probability that an environmental or human health incident would occur if there were deterioration, malfunction or operator error, which could possibly go undetected between inspection.

6.2 The Waste Analysis Plan should be referred to regarding required inspections related to waste and containers received from off-site.

7.0 INSPECTION SCHEDULE [NR 664.0015(2) and NR 670.014(2)(e)]

Document No.: TPM-SOP-001	Revision Date: 7/6/2022	Revision No.: 003	
Document Title: TOTAL PREVENTATIVE MAINTENANCE AND INSPECTION PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 7/6/2022	

- 7.1 A written annual inspection schedule is developed and followed for each calendar year which depicts which inspections are required to be conducted at specific intervals based upon regulatory requirements, manufacturer requirements, best management or industry standards and on the rate of deterioration of the equipment and the probability of an environmental or human health incident if the deterioration, malfunction or any operator error goes undetected between inspections. The current calendar year inspection schedule can be found in Appendix A. However, it should be noted that this schedule is fluid and is updated on an annual basis and only changes to hazardous waste treatment, storage and disposal inspection items that are less stringent can only be made after a license modification. When an inspection is required daily, it means the days for which the facility is operational and does not include non-operational days such as weekends or holidays. The facility will also follow the inspection plan for alarms and emergency equipment that is outlined in the Emergency Management Plan - Appendix C.
- 7.2 In addition to the scheduled inspections, informal operator inspections are performed on a daily basis to ensure the safety of employees and the environment. Prior to starting their respective tasks at the start of each shift, each operator is required to visually inspect their respective work areas and tools to check for repair, service, maintenance, or clean-up needs. These types of items include, but are not limited to, forklifts, truck hoses, exhaust fans, communication equipment, spill clean-up equipment, and personnel protective equipment for signs of deterioration or accumulation of materials in the containment areas.
- 8.0 INSPECTION FORMS [NR 664.0015(4)]**
- 8.1 For each inspection to be conducted, an inspection protocol is established which describes the type of inspection to be performed, references, prerequisite, procedure and intervals, handling deficiencies, associated documentation and associated contractor. The actual inspection itself is either an internal inspection form or on various documentation provided by external vendors conducting the inspection on the behalf of the company (Appendix B). The inspection form identifies the types of problems (e.g. malfunctions or deterioration) which are to be observed during the inspection and indicate whether its condition is acceptable or unacceptable.
- 8.2 If the status of a particulate item is found unacceptable during the inspection, it is noted on the inspection form and appropriate and immediate action is taken to resolve the discrepancy. The corrective action is documented. If the corrective action can not be immediately addressed or requires additional resources, the deficiency should be noted on the inspection form for additional review and follow-up by the respective area manager. All inspection results are documented and reviewed by the respective area manager.
- 9.0 SCHEDULE TO REMEDY [NR 664.0015(3)]**
- 9.1 If the status of a particular item on an inspection form is found unacceptable and has not been corrected, it is the responsibility of the Operation Manager or Technical Service Manager to ensure the items is addressed in a timely manner.
- 9.1 The corrective action process (schedule to remedy) includes clear identification of a problem through documentation of the resources and steps required to mitigate the immediate symptoms and remedy the problem, with the additional goal to find and solve the root cause of the problem.
- 9.2 Inspections records are documented on the respective internal inspection form or as part of the service report provided by the outside vendor. The forms and reports are routed to the Operation Manager or Technical Service Manager upon completion for review and approval. If an inspection reveals a situation that presents an immediate environmental or human health hazards, all operations will be immediately ceased until the situation can be brought to a safety condition.

Document No.: TPM-SOP-001	Revision Date: 7/6/2022	Revision No.: 003	
Document Title: TOTAL PREVENTATIVE MAINTENANCE AND INSPECTION PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 7/6/2022	

9.3 If an inspection record reveals an item in need of repair, equipment malfunction or deterioration, or some other abnormal condition, the item is included on the Deficiency and Corrective Action Log (Appendix C) where a priority level is assigned.

Priority Level	
High	Must be completed within 24-hours of discovery.
Medium	Must be completed within 7-days of discovery.
Low	Must be completed within 30-days of discovery.

9.4 The corrective action necessary is evaluated and based upon the on-site resources and the level of expertise necessary to resolve the issue, the respective manager will assign the responsible internal resource or contact the appropriate contractor to schedule necessary work with a planned completion date.

9.5 Upon remedy of the deficiency, the Operation Manager or Technical Service Manager will verify that the appropriate action has been taken and the deficiency resolved, and document the remedy (see Appendix C). Any supplemental documentation associated with the corrective action will be retained and become part of the completed inspection records.

10.0 INSPECTION RECORDS [NR 664.0015(4) and NR 664.1088

10.1 The company maintains records (historical data) pertinent to equipment and facilities covered by the program, including but not limited to, building blueprints, equipment nameplate data, purchasing information, age, design and installation information, acceptable test data and applicable data from the manufacturer's technical manuals.

10.2 Inspection and test completed (and their results), corrective actions, scheduled and unscheduled maintenance and cost, repair parts and materials used and cost, modifications and capital improvements completed, and applicable change records are maintained by the company.

10.3 Inspection and remedy records are maintained electronically (scanned copied) for a minimum of three-years.

11.0 INSPECTOR TRAINING


11.1 Employees designated to conducted inspections shall receive hands-on training from their manager to obtain an acceptable level of competence and to familiarize personnel with the criteria against which the inspection is being conducted, being able to identify unacceptable conditions and to document the inspection properly. In addition, to the hands-on training, designated employees will have training in RCRA hazardous waste awareness and DOT and OSHA Hazwoper.

12.0 CONTRACTORS

12.1 Contractors are used to conduct inspections on the behalf of the company due to their area and/or level of expertise. Contractors that come on-site must provide the company with a Contractor Information Form (Appendix D) which acknowledges the Contractor Health, Safety and Environmental Manual (Appendix D). In addition, a Certificate of Insurance (COI) with Enviro-Safe listed as an Additional Insurer is required.

13.0 RELATED DOCUMENTS

13.1 Appendix A: Inspection Schedule

Document No.: TPM-SOP-001	Revision Date: 7/6/2022	Revision No.: 003	
Document Title: TOTAL PREVENTATIVE MAINTENACE AND INSPECTION PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 7/6/2022	


- 13.2 Appendix B: Inspection Protocols and Forms
- 13.3 Appendix C: Deficiency and Corrective Action Log
- 13.4 Appendix D: Contractor Information

14.0 REFERENCE DOCUMENTS

- 14.1 Emergency Management Plan (EHS-WI-005)
- 14.2 Waste Analysis Plan
- 14.3 Training and Competence Plan

15.0 REVISION SUMMARY

Revision	Date	Description of changes	Requested By
000	3/19/2020	Initial Release	D. Zellmer
001	2/18/2022	Included comments from WDNR.	D. Zellmer
002	6/23/2022	Included comments from WDNR.	D. Zellmer
003	7/6/2022	Included comments from WDNR.	D. Zellmer

Document No.: TPM-SOP-001	Revision Date: 7/6/2022	Revision No.: 003	
Document Title: TOTAL PREVENTATIVE MAINTENANCE AND INSPECTION PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 7/6/2022	

**APPENDIX A
INSPECTION SCHEDULE**

The purpose of the Inspection Schedule is to provide a complete listing of items to be included in the loss prevention maintenance and inspection programs for facilities, systems and equipment. This listing is not limited only to those items required under the site's hazardous waste generator and Treatment, Storage and Disposal Facility (TSDf) regulations. Therefore, an asterisk is used to identify those items applicable to the facility's hazardous waste generator and Treatment, Storage and Disposal Facility (TSDf) requirements.

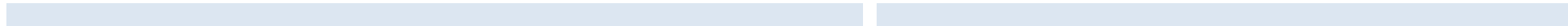


Enviro-Safe - 2022
TMP Schedule and F

Sandpiper Pump and Auxiliary Components	RM 126	Manufacturer	Monthly	TPM-INSP-008	Operation Manager	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
T07 - Plastic Above Ground Storage Tank	RM 127	Manufacturer	Monthly	TPM-INSP-033	Operation Manager	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
T08 - Plastic Above Ground Storage Tank	RM 127	Manufacturer	Monthly	TPM-INSP-033	Operation Manager	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
T09 - Plastic Above Ground Storage Tank	RM 127	Manufacturer	Monthly	TPM-INSP-033	Operation Manager	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
T10 - Plastic Above Ground Storage Tank	RM 127	Manufacturer	Monthly	TPM-INSP-033	Operation Manager	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
Yamada Pumps and Auxiliary Components (PUMP #1)	RM 127	Manufacturer	Monthly	TPM-INSP-033	Operation Manager	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
Yamada Pumps and Auxiliary Components (PUMP #2)	RM 127	Manufacturer	Monthly	TPM-INSP-033	Operation Manager	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
Yamada Pumps and Auxiliary Components (PUMP #3)	RM 127	Manufacturer	Monthly	TPM-INSP-033	Operation Manager	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
Yamada Pumps and Auxiliary Components (PUMP #4)	RM 127	Manufacturer	Monthly	TPM-INSP-033	Operation Manager	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
Yamada Pumps and Auxiliary Components (PUMP #5)	RM 127	Manufacturer	Monthly	TPM-INSP-033	Operation Manager	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
Yamada Pumps and Auxiliary Components (PUMP #6)	RM 127	Manufacturer	Monthly	TPM-INSP-033	Operation Manager	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly

Laboratory

Bomb Calorimeter*	Laboratory	WDNR NR 664.0013	Monthly / Annually	TPM-INSP-023	Technical Service Manager	Monthly	Annually	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
Ion Chromatography*	Laboratory	WDNR NR 664.0013	Monthly / Annually	TPM-INSP-024	Technical Service Manager	Annually	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
DI Water System*	Laboratory	WDNR NR 664.0013	Monthly	TPM-INSP-025	Technical Service Manager	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
DI Water System*	Laboratory	WDNR NR 664.0013	Bi-Annually / Annually	TPM-INSP-025	Technical Service Manager	Bi-Annually	N/A	N/A	N/A	N/A	Bi-Annually	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Karl Fischer Titrator*	Laboratory	WDNR NR 664.0013	Monthly / Annually	TPM-INSP-026	Technical Service Manager	Annually	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
Flashpoint Tester*	Laboratory	WDNR NR 664.0013	Monthly	TPM-INSP-029	Technical Service Manager	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
pH/ORP Meter*	Laboratory	WDNR NR 664.0013	Weekly	TPM-INSP-030	Technical Service Manager	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly












Document No.: TPM-SOP-001	Revision Date: 7/6/2022	Revision No.: 003
Document Title: TOTAL PREVENTATIVE MAINTENANCE AND INSPECTION PLAN		
Certified By: CEO/OPERATION MANAGER		Certified Date: 7/6/2022



APPENDIX B INSPECTION PROTOCOLS AND FORMS

Below is a list of the inspection protocols and forms that have been established to describe the inspections that are conducted and how they are documented.

Inspection Number	Description [Requirement]	Document
TPM-INSP-001	Forklifts, Attachments and Accessories [N/A]	 TPM-INSP-001 - Forklifts Attachment
TPM-INSP-002	Security Systems [NR 664.0015]	 TPM-INSP-002 - Security Systems.doc
TPM-INSP-003	Fire Alarm System [NR 664.0033]	 TPM-INSP-003 - Fire Alarm System.doc
TPM-INSP-004	Fire Extinguishers and Hoses [NR 664.0033]	 TPM-INSP-004 - Fire Extinguishers and H
TPM-INSP-005	Safety Shower and Eyewash [NR 664.0033]	 TPM-INSP-005 - Safety Shower and E
TPM-INSP-006	Emergency Signs and Exit Lights [NR 664.0033]	 TPM-INSP-006 - Emergency Signs an
TPM-INSP-007	Floor Scrubber [N/A]	 TPM-INSP-007 - Floor Scrubber.doc
TPM-INSP-008	Outside Storage Tanks and Associated Equipment [N/A]	 TPM-INSP-008 - Outside Storage Tar
TPM-INSP-009	Pressure Washer [N/A]	 TPM-INSP-009 - Pressure Washer.do

Document No.: TPM-SOP-001	Revision Date: 7/6/2022	Revision No.: 003
Document Title: TOTAL PREVENTATIVE MAINTENANCE AND INSPECTION PLAN		
Certified By: CEO/OPERATION MANAGER		Certified Date: 7/6/2022







TPM-INSP-010	Air Compressor System [N/A]	 TPM-INSP-010 - Air Compressor System.
TPM-INSP-011	Generator [NR 664.0033]	 TPM-INSP-011 - Generator.doc
TPM-INSP-012	Gas Monitoring and Detection System [NR 664.0033]	 TPM-INSP-012 - Gas Monitoring and Det
TPM-INSP-013	Loading Dock Levelers [N/A]	 TPM-INSP-013 - Loading Dock Leveler
TPM-INSP-014	Overhead Fire Door [NR 664.0033]	 TPM-INSP-014 - Overhead Fire Door.
TPM-INSP-015	Floor Scale [N/A]	 TPM-INSP-015 - Floor Scale.doc
TPM-INSP-016	HVAC System [N/A]	 TPM-INSP-016 - HVAC System.doc
TPM-INSP-017	Portable Container Storage [N/A]	 TPM-INSP-017 - Portable Container
TPM-INSP-018	Sprinkler System [NR 664.0033]	 TPM-INSP-018 - Sprinkler System.doc
TPM-INSP-019	Outside Secondary Containment and Stormsepter System [NR 664.0015 and NR 664.0174]	 TPM-INSP-019 - Secondary Containm
TPM-INSP-020	Facility Inspection [NR 664.0015, NR 664.0174 and NR 664.1088]	 TPM-INSP-020 - Facility Inspection.d


Document No.: TPM-SOP-001	Revision Date: 7/6/2022	Revision No.: 003
Document Title: TOTAL PREVENTATIVE MAINTENACE AND INSPECTION PLAN		
Certified By: CEO/OPERATION MANAGER		Certified Date: 7/6/2022



TPM-INSP-021	Water Heater [N/A]	 TPM-INSP-021 - Water Heater.doc
TPM-INSP-023	Bomb Calorimeter [NR 664.0013]	 TPM-INSP-023 - Bomb Calorimeter.d
TPM-INSP-024	Ion Chromatography [NR 664.0013]	 TPM-INSP-024 - Ion Chromatography.dc
TPM-INSP-025	DI Water System [NR 664.0013]	 TPM-INSP-025 - DI Water System.doc
TPM-INSP-026	Karl Fischer Titrator [NR 664.0013]	 TPM-INSP-026 - Karl Fischer Titrator.doc
TPM-INSP-028	Grounding System [NR 664.0033]	 TPM-INSP-028 - Grounding System.c
TPM-INSP-029	Flashpoint Tester [NR 664.0033]	 TPM-INSP-029 - Flashpoint Tester.dc
TPM-INSP-030	pH ORP Meter	 TPM-INSP-030 - pH ORP Meter.doc
TPM-INSP-031	Concrete Floor Coating and Joint Filler [NR 664.0015 and NR 664.0174]	 TPM-INSP-031 - Concrete Floor Coat
TPM-INSP032	Blowout Doors [NR 664.0033]	 TPM-INSP-032 - Blowout Doors.doc
TPM-INSP-033	Inside Storage Tanks and Associated Equipment [N/A]	 TPM-INSP-033 - Inside Storage Tank

Document No.: TPM-SOP-001	Revision Date: 7/6/2022	Revision No.: 003	
Document Title: TOTAL PREVENTATIVE MAINTENACE AND INSPECTION PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 7/6/2022	

TPM-INSP-034	Smoke Detectors [NR 664.0033]	 TPM-INSP-034 - Smoke Detectors.do
TPM-INSP-035	Radios [NR 664.0033]	 TPM-INSP-035 - Radios.doc
TPM-INSP-036	Aerosol Puncturing Unit [NR 664.1088]	 TPM-INSP-036 - Aerosol Puncturing

Document No.: TPM-INSP-001	Revision Date: 1/7/2022	Revision No.: 003	
Document Title: FORKLIFTS, ATTACHMENTS AND ACCESSORIES			
Certified By: OPERATION MANAGER	Certified Date: 1/7/2022		

FORKLIFTS, ATTACHMENTS AND ACCESSORIES TOTAL PREVENTATIVE MAINTENANCE PROGRAM

PURPOSE This procedure describes the steps required to maintain the integrity of the material handling and associated equipment present.

- REFERENCES**
- Doosan B20T-5 Forklift Manual (on the forklift)
 - Doosan B20T-7 Forklift Manual (on the forklift)
 - Morspeed 1500 Forklift Attachment
 - Heavy Duty Forklift Karrier Attachment
 - Battery-Mate 80 Charger
 - Hand Pallet Jack Unit #1
 - Hand Pallet Jack Unit #2

PREREQUISITE Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.

Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes, are required.

PROCEDURE

Daily

The forklifts are required to be inspected prior to the start of each shift by the forklift operator. See the [Forklift Operator's Daily Checklist \(SOP-EHS-002\)](#) for specific inspection details.

Every 3-Months

The forklift attachments are required to be inspected every three months to ensure the integrity and general condition of the structural and mechanical components are maintained. See the [Morspeed 1500 Forklift Attachment](#) and [the Heavy-Duty Forklift Karrier Attachment Manual](#) for specific inspection details. General cleaning of the equipment should also be conducted at this time if required.

The battery charger is required to be cleaned and inspected every three months to ensure the integrity and general condition of the unit are being maintained. See the [Battery-Mate 80 Manual](#) for specific inspection details.

The hand pallet jacks are required to be inspected every three months to ensure the integrity and general condition of the unit are being maintained. See the [Hand Pallet Jack Manual](#) for specific inspection details.

Annually

The forklift is required to be inspected for specific items after specific hours of use by the designated contractor per the manufacturer. See the [Doosan B20T-5 or B20T-7 Manuals](#) for specific inspection details. This inspection will be conducted by a qualified outside contractor on the behalf of the organization. *Special Note. At the present time, due to the low hours metered on the forklift, all Other Inspection elements are addressed during the annual inspection.

DEFICIENCIES

Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration

Document No.: TPM-INSP-001	Revision Date: 1/7/2022	Revision No.: 003
Document Title: FORKLIFTS, ATTACHMENTS AND ACCESSORIES		
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022



where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged “Out of Service” until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.

DOCUMENTATION The daily inspections shall be documented on the [Forklift Operator’s Daily Checklist \(SOP-EHS-002\)](#). The other inspections shall be documented on the attached forms. The annual inspections shall be documented by the contractor with a copy of the inspection report provided to the organization. Documentation to be retained in the electronic recordkeeping file.

CONTRACTOR Wolter Power Systems
3125 Intertech Drive, Brookfield, WI 53045
Phone: (262) 790-6230

Document No.: TPM-INSP-001	Revision Date: 1/7/2022	Revision No.: 003
Document Title: FORKLIFTS, ATTACHMENTS AND ACCESSORIES		
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022



**Total Preventative Maintenance Inspection Form
Forklift Attachment Form - Every 3-Months**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------

Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------


Periodic inspection for the general condition of structural and mechanical components is imperative for safe and efficient operation. Any unit found to be compromised shall be immediately repaired or taken out-of-service.

Morspeed 1500 Forklift Attachment

Manufacturer: Morse Manufacturing Company	Make and Model: 288-2	Serial Number: 0912
---	---------------------------------	-------------------------------

Preventative Maintenance Item	Observation	Identified Deficiencies
Visually inspect the unit for any damage or compromise to its integrity.		
Ensure the unit is clean.		
Lubricate all moving joints and spring-anchor points.		
Clean and oil ratchet, pawl and other moving parts.		
Inspect all moving parts, framework, drum holder and contact areas for signs of wear, fatigue or loosening. Tighten, adjust or replace parts as necessary to prevent failure and maintain proper function.		

Preventative Maintenance Item – Unit #2	Observation	Identified Deficiencies
Visually inspect the unit for any damage or compromise to its integrity.		
Ensure the unit is clean.		
Lubricate all moving joints and spring-anchor points.		
Clean and oil ratchet, pawl and other moving parts.		
Inspect all moving parts, framework, drum holder and contact areas for signs of wear, fatigue or loosening. Tighten, adjust or replace parts as necessary to prevent failure and maintain proper function.		

Document No.: TPM-INSP-001	Revision Date: 1/7/2022	Revision No.: 003	
Document Title: FORKLIFTS, ATTACHMENTS AND ACCESSORIES			
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022	

Heavy-Duty Forklift Karrier Attachment

Manufacturer: Morse Manufacturing Company	Make and Model: 285A-HD	Serial Number: 1112
---	-----------------------------------	-------------------------------

Preventative Maintenance Item	Observation	Identified Deficiencies
Visually inspect the unit for any damage or compromise to its integrity.		
Ensure the unit is clean.		
Inspect all moving parts for proper operation.		
Lubricate moving parts generously with 90W Oil.		
Clean and oil ratchet, pawl and other moving parts.		
Inspect all moving parts, framework, drum holder and contact areas for signs of wear, fatigue or loosening. Tighten, adjust or replace parts as necessary to prevent failure and maintain proper function.		

**Total Preventative Maintenance Inspection Form
Battery Charger Form - Every 3-Months**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------

Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Periodic inspection for the general condition of structural and mechanical components is imperative for safe and efficient operation. Any unit found to be compromised shall be immediately repaired or taken out-of-service.

Battery-Mate 80 Battery Charging Unit

Manufacturer: Ametek Prestolite Power	Make and Model: 750H3-18C	Serial Number: 113CS06382
---	-------------------------------------	-------------------------------------

Preventative Maintenance Item	Observation	Identified Deficiencies
Visually inspect the unit for any damage or compromise to its integrity.		
Ensure the unit is clean. Wipe and blow out all dirt from the unit's interior components with clean dry air not over 25 psi.		
Check and tighten all electrical connections as necessary to eliminate unnecessary losses and to avoid subsequent trouble from overheating or open circuits.		
Check for broken wiring or damaged insulation wiring.		

Document No.: TPM-INSP-001	Revision Date: 1/7/2022	Revision No.: 003
Document Title: FORKLIFTS, ATTACHMENTS AND ACCESSORIES		
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022



**Total Preventative Maintenance Inspection Form
Hand Pallet Jack Form - Every 3-Months**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------

Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Periodic inspection for the general condition of structural and mechanical components is imperative for safe and efficient operation. Any unit found to be compromised shall be immediately repaired or taken out-of-service.

Hand Pallet Jack - Unit #1

Manufacturer: Global Industries	Make and Model: T97334475	Serial Number: N/A
---	-------------------------------------	------------------------------

Preventative Maintenance Item	Observation	Identified Deficiencies
Visually inspect the unit for any damage or compromise to its integrity. Pay special attention to wheels, axles, handles, forks and lift controls.		
Ensure the unit is clean.		
Inspect all moving parts for proper operation.		
Lubricate all moveable parts.		
Check oil level. Restore the fluid level in the rubber reservoir to 5mm below the top with the forks in the lower position. Use L-HV46 hydraulic oil.		
Check for broken wiring or damaged insulation wiring.		

Hand Pallet Jack - Unit #2

Manufacturer: Global Industries	Make and Model: T97334475	Serial Number: N/A
---	-------------------------------------	------------------------------

Preventative Maintenance Item	Observation	Identified Deficiencies
Visually inspect the unit for any damage or compromise to its integrity. Pay special attention to wheels, axles, handles, forks and lift controls.		
Ensure the unit is clean.		
Inspect all moving parts for proper operation.		
Lubricate all moveable parts.		
Check oil level. Restore the fluid level in the rubber reservoir to 5mm below the top with the forks in the lower position. Use L-HV46 hydraulic oil.		
Check for broken wiring or damaged insulation wiring.		

Document No.: TPM-INSP-002	Revision Date: 1/7/2022	Revision No.: 002
Document Title: SECURITY SYSTEMS		
Certified By: OPERATIONS MANAGER		Certified Date: 1/7/2022



SECURITY SYSTEMS TOTAL PREVENTATIVE MAINTENANCE PROGRAM

PURPOSE This procedure describes the steps required to maintain the integrity of the security systems present.

REFERENCES

- Keri Card Access System
- Gemini Security Alarm System
- Security Camera System

PREREQUISITE Inspections only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.

PROCEDURE


Daily Inspections
The security alarm system is monitored on a 24-hour basis by a third-party UL certified monitoring station. In addition, daily time tests are conducted as part of the monitoring service. The daily timer tests are signals generated daily from the alarm panel to the monitoring station to verify proper operation. If the monitoring stations does not receive the signal at the expected time on a daily basis, a notification will be received and appropriate follow-up performed.

No specific inspection criteria are required for the other security systems identified above. However, general operations of these systems are inspected daily as part of the Facility Total Preventative Maintenance Inspection Report.

DEFICIENCIES Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.

DOCUMENTATION The contract for the security alarm system monitoring shall be documented with a copy of the contract on file at the organization. Documentation to be retained in the electronic recordkeeping file.

CONTRACTOR Keri Card Access System, Security Alarm System and CCTV Camera System
First Security, LLC.
N88 W17270 Main Street, Menomonee Falls, WI 53051
Phone: (262) 345-5850
Email: Mike Fay (MFay@FIRSTSecurityllc.net)

Document No.: TPM-INSP-003	Revision Date: 1/7/2022	Revision No.: 003	
Document Title: FIRE ALARM SYSTEM			
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022	

**FIRE ALARM SYSTEM
TOTAL PREVENTATIVE MAINTENANCE PROGRAM**

PURPOSE This procedure describes the steps required to maintain the integrity of the fire alarm system present.

REFERENCES

- Silent Knight IFP-50 Fire Alarm System and Associated Equipment Specifications

PREREQUISITE Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.

PROCEDURE

Daily Inspections
The fire alarm system is monitored on a 24-hour basis by a third-party UL certified monitoring station. In addition, daily time tests are conducted as part of the monitoring service. The daily timer tests are signals generated daily from the alarm panel to the monitoring station to verify proper operation. If the monitoring stations does not receive the signal at the expected time on a daily basis, a notification will be received and appropriate follow-up performed.

Annual Inspections
The fire alarm is required to be inspection on an annual basis. The inspection will be conducted by a qualified outside contractor on the behalf of the organization.


DEFICIENCIES Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.

DOCUMENTATION The contract for the fire alarm system monitoring shall be documented with a copy of the contract on file at the organization. Documentation to be retained in the electronic Operations - TPM file.

The annual inspections shall be documented by the contractor with a copy of the inspection report provided to the organization. Documentation to be retained in the electronic recordkeeping file.

CONTRACTOR Fire Alarm Monitoring Service
Central 1 Security
18110 West Bluemound Road, Brookfield, WI 53045
Phone: (262) 783-7500
Email: Maria Bernal (mbernal@central1security.com)

Alarm Testing Service
Blair Fire Protection
13111 W. Silver Spring Drive, Butler, WI 53007
Phone: (414) 460-4006
Email: Kevin Gall (k.gall@blairfireprotection.com)

Document No.: TPM-INSP-004	Revision Date: 1/7/2022	Revision No.: 002	
Document Title: FIRE EXTINGUISHERS AND HOSES			
Certified By: OPERATIONS MANAGER		Certified Date: 1/7/2022	

**FIRE EXTINGUISHERS AND HOSES
TOTAL PREVENTATIVE MAINTENANCE PROGRAM**

PURPOSE This procedure describes the steps required to maintain the integrity of the machines, equipment and systems present.

- REFERENCES**
- Fire Extinguisher Specifications
 - Fire Hose Specifications

PREREQUISITE Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.

Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes, are required.


PROCEDURE **Monthly Inspection**
The fire extinguishers and hoses are required to be inspected on a monthly basis by internal designated personnel. See the [Fire Extinguisher and Hose Inspection Form](#) for specific inspection details.

Annual Inspections
The fire extinguishers and hoses are required to be inspection on an annual basis. The inspection will be conducted by a qualified outside contractor on the behalf of the organization.

DEFICIENCIES Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Corrective Action Log (ESRR-SOP-030 - Appendix B) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.

DOCUMENTATION The monthly inspections shall be documented on the attached form. The annual inspections shall be documented by the contractor with a copy of the inspection report provided to the organization. Documentation to be retained in the electronic Operations - TPM file.

CONTRACTOR Blair Fire Protection
13111 W. Silver Spring Drive, Butler, WI 53007
Phone: (414) 460-4006
Email: Kevin Gall (k.gall@blairfireprotection.com)

Document No.: TPM-INSP-004	Revision Date: 1/7/2022	Revision No.: 002	
Document Title: FIRE EXTINGUISHERS AND HOSES			
Certified By: OPERATIONS MANAGER		Certified Date: 1/7/2022	

**Total Preventative Maintenance Inspection Form
Fire Extinguisher and Hose Inspection - Monthly**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------

Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Fire Extinguisher Inspection Criteria. All fire extinguishers should be visually inspected to ensure (1) the unit is in its designated place, (2) no obstructions to accessibility or visibility, (3) safety seals are not broken or missing, (4) no evidence of physical damage, corrosion, leaking or clogged nozzle, (5) pressure gauge reading in the proper range, and (6) operating instructions legible. **Fire Hose Inspection Criteria.** All fire hoses should be visually inspected to insure (1) no obstructions to accessibility or visibility, (2) no evidence of physical damage, and (3) no hose cuts or evidence of mildew or deterioration.

In addition to completing this form, the tag on the fire extinguisher must be signed and dated (DD/MM/YY). Completed inspection forms should be routed to the Operation Manager for review and recordkeeping purposes.

FACILITY FIRE EXTINGUISHERS					
Extinguisher No.	S/N	Location	Size/Type	Mfg. Date	Acceptable
1	BA-727546	Office Hall Exit	10 ABC	2012	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
2	AY-79754	Office Lobby	10 ABC	2012	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
3	AS-141025	Lunch Room	10 ABC	2012	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
4	YE-539621	Laboratory	5 ABC	2012	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
5	AY-613924	Room 124 - South Door	10 ABC	2012	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
6	AY-77778	Room 124 - West Door	10 ABC	2012	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
7	V-622056	Room 125 - East Door	10 ABC	2012	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
8	G29264067	RM 125 - North Door	10 ABC	2021	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
9	A-23919815	Room 126 - South Door	10 ABC	2012	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
10	G29264075	Room 127 - West Door	10 ABC	2021	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
11	G29293715	Room 127 - South Wall	10 ABC	2021	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
12	G29258049	Room 127 - Column	10 ABC	2021	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
13	G29293708	Room 127 - South Wall	10 ABC	2021	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
14	G29264064	Room 127 - South Door	10 ABC	2021	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
15	G29293720	Room 127 - Column	10 ABC	2021	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
16	G08668518	Room 127 - Shipping Office	10 ABC	2021	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
17	XW-332869	Outside Flammable Fence	20 ABC	2012	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable

Document No.: TPM-INSP-004	Revision Date: 1/7/2022	Revision No.: 002
Document Title: FIRE EXTINGUISHERS AND HOSES		
Certified By: OPERATIONS MANAGER		Certified Date: 1/7/2022



FIRE HOSES

Hose No.	S/N	Location	Size/Type	Mfg. Date	Acceptable
HOSE-01	N/A	Room 124 - West Door	FIRE HOSE	2017	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
HOSE-02	N/A	Room 125 - East Door	FIRE HOSE	2007	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable

TRANSPORTATION FIRE EXTINGUISHERS

Extinguisher No.	S/N	Location	Size/Type	Mfg. Date	Acceptable
18	E62639362	Straight Truck (#1002)	5 ABC	2018	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
19	NM-389862	Straight Truck (#1004)	5 ABC	1996	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
20	CF-271773	Tractor Truck (#1001)	5 ABC	2014	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
21	E62639345	Tractor Truck (#1003)	5 ABC	2019	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
22	F66320173	Tractor Truck (#1005)	5 ABC	2019	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
23	E95578523	Tractor Truck (#1006)	5 ABC	2018	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
24	E95454790	Tanker Trailer (#2001)	20 ABC	2019	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
25	B-05025209	Tanker Trailer (#2002)	20 ABC	2019	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
26	F82147792	Van Trailer (#2003)	20 ABC	2021	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
27	F68218434	Tanker Trailer (#2004)	20 ABC	2020	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable

Document No.: TPM-INSP-005	Revision Date: 7/6/2022	Revision No.: 004
Document Title: SAFETY SHOWER AND EYEWASH UNIT		
Certified By: OPERATION MANAGER		Certified Date: 7/6/2022



**SAFETY SHOWER AND EYEWASH UNIT
TOTAL PREVENTATIVE MAINTENANCE PROGRAM**

PURPOSE This procedure describes the steps required to maintain the integrity of the safety showers and eyewash units present.

- REFERENCES**
- Bradley Halo Combination Drench Shower and Eyewash Unit Specifications
 - Honeywell Eyesaline Eyewash Unit

PREREQUISITE Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.

Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes, are required.

PROCEDURE **Weekly Inspections**
The safety shower and eyewash unit is required to be inspected on a weekly basis by internal designated personnel. See the [Safety Shower and Eyewash Unit Inspection Form \(attached\)](#) for specific inspection details.

DEFICIENCIES Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.

DOCUMENTATION The weekly inspections shall be documented on the Safety Shower and Eyewash Unit (attached). Documentation to be retained in the electronic recordkeeping file.

CONTRACTOR None

Document No.: TPM-INSP-005	Revision Date: 7/6/2022	Revision No.: 004
Document Title: SAFETY SHOWER AND EYEWASH UNIT		
Certified By: OPERATION MANAGER		Certified Date: 7/6/2022



**Total Preventative Maintenance Inspection Form
Emergency Safety Shower and Eyewash Unit - Weekly**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------

Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Periodic inspection for the general condition and operation of the pump units is imperative for safe and efficient operation. Any unit found to be compromised shall be immediately repaired or taken out-of-service.

THE TAG ON THE EMERGENCY SAFETY SHOWER AND EYEWASH UNIT MUST BE SIGNED AND DATA (DD/MM/YYYY) IN ADDITION TO THE COMPLETION OF THIS FORM.

Emergency Safety Shower and Eyewash Unit - RM 124

Manufacturer: Bradley Emergency Safety Shower and Eyewash Unit	Make and Model: S19314	Serial Number: N/A
--	----------------------------------	------------------------------

Preventative Maintenance Item (RM 124)	Observation	Identified Deficiencies
Ensure the unit is operating properly and there is no malfunction.		
Visually inspect the unit for any damage or compromise to its integrity. Ensure no broken or missing parts.		
Insure there are no obstructions to accessibility or visibility.		
Ensure the unit is clean.		
Activate the unit to ensure proper operation and to clear any sediment present.		

Emergency Safety Shower and Eyewash Unit - Laboratory

Manufacturer: Honeywell Eyesaline Eyewash Station	Make and Model: N/A	Serial Number: N/A
---	-------------------------------	------------------------------

Preventative Maintenance Item (RM 124)	Observation	Identified Deficiencies
Visually inspect the unit for any damage or compromise to its integrity. Ensure no broken or missing parts.		
Insure there are no obstructions to accessibility or visibility.		
Ensure the unit is clean.		
The saline solution shelf life is 36-months from the date of manufacturer. Check to ensure within allowable shelf life.		

Document No.: TPM-INSP-006	Revision Date: 1/7/2022	Revision No.: 001
Document Title: EMERGENCY SIGNS AND EXIT LIGHTS		
Certified By: OPERATION MANAGER	Certified Date: 1/7/2022	



**EMERGENCY SIGNS AND EXIT LIGHTS
TOTAL PREVENTATIVE MAINTENANCE PROGRAM**

PURPOSE This procedure describes the steps required to maintain the integrity of the exit lights present.

- REFERENCES**
- Emergency Sign Specifications
 - Exit Light Specifications

PREREQUISITE Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.

Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes, are required.

PROCEDURE

Monthly Inspection
The emergency signs and exit lights for the facility are all electrically hardwired with an emergency generator backup and therefore, do not contain battery back-up. As a result, a monthly test is not required to be performed.

Annual Inspections
The exit lights are required to be inspection on an annual basis. The inspection will be conducted by a qualified outside contractor on the behalf of the organization.

DEFICIENCIES Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.

DOCUMENTATION The annual inspections shall be documented by the contractor with a copy of the inspection report provided to the organization. Documentation to be retained in the electronic recordkeeping file.

CONTRACTOR Blair Fire Protection
13111 W. Silver Spring Drive, Butler, WI 53007
Phone: (414) 460-4006
Email: Kevin Gall (k.gall@blairfireprotection.com)

Document No.: TPM-INSP-007	Revision Date: 1/7/2022	Revision No.: 004
Document Title: FLOOR SCRUBBER		
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022



FLOOR SCRUBBER TOTAL PREVENTATIVE MAINTENACE PROGRAM

PURPOSE This procedure describes the steps required to maintain the integrity of the cleaning equipment present.

REFERENCES

- Floor Scrubber PowerBoss Phoenix 20 Super Sport Specifications

PREREQUISITE Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.

Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes, are required.

PROCEDURE

Monthly Inspection
The floor scrubber is required to be inspected on a monthly basis by internal designated personnel. See the [PowerBoss Phoenix 20 Super Sport Manual](#) for specific inspection details.


Annual Inspection
The floor scrubber is required to be inspected for specific items after specific hours of use by the designated contractor per the manufacturer. See the [PowerBoss Phoenix 20 Super Sport Manual](#) for specific inspection details. This inspection will be conducted by a qualified outside contractor on the behalf of the organization.

*Special Note. At the present time, due to the low hours metered on the floor scrubber, all Other Inspection elements are addressed during the annual inspection.

DEFICIENCIES Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.

DOCUMENTATION The monthly inspections shall be documented on the attached form. The annual inspections shall be documented by the contractor with a copy of the inspection report provided to the organization. Documentation to be retained in the electronic recordkeeping file.

CONTRACTOR Wolter Power Systems
3125 Intertech Drive, Brookfield, WI 53045
Phone: (262) 790-6230

Document No.: TPM-INSP-007	Revision Date: 1/7/2022	Revision No.: 004	
Document Title: FLOOR SCRUBBER			
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022	

**Total Preventative Maintenance Inspection Form
Floor Scrubber Form - Monthly**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------


Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Periodic inspection for the general condition of structural and mechanical components is imperative for safe and efficient operation. Any unit found to be compromised shall be immediately repaired or taken out-of-service.

Floor Scrubber

Manufacturer: PowerBoss, Inc.	Make and Model: DPHOENIX280070	Serial Number: 13110050
---	--	-----------------------------------

Preventative Maintenance Item	Observation	Identified Deficiencies
Visually inspect the unit for any damage or compromise to its integrity.		
Ensure the unit is clean.		
Check and clean tanks and hoses.		
Check and clean brush and pads.		
Check and clean the squeegee.		
Check and clean vacuum shut-off float in recovery tank.		
Check the battery operation (lead acid battery).		
Inspect and clean scrub deck skirt for debris.		
Inspect and clean inline solution filter.		
Lubricate the fittings and rear caster swivel as needed until grease seeps out around the bearings.		
Lubricate the pivot mounting point of the rear squeegee to the chassis and the rear squeegee caster wheel axle.		
Inspect all moving parts, framework, and contact areas for signs of wear, fatigue or loosening. Tighten, adjust or replace parts as necessary to prevent failure and maintain proper function.		

Document No.: TPM-INSP-008	Revision Date: 1/7/2022	Revision No.: 004	
Document Title: OUTSIDE STORAGE TANKS and ASSOCIATED EQUIPMENT			
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022	

OUTSIDE STORAGE TANKS AND ASSOICATED EQUIPMENT TOTAL PROVENTATIVE MAINTENANCE PROGRAM

PURPOSE This procedure describes the steps required to maintain the integrity of the above ground storage tanks and associated equipment present.

- REFERENCES**
- Above Ground Storage Tank Units
 - Above Ground Storage Piping System
 - Blackmer Positive Displacement Rotary Vane Pump (Outside)
 - Sandpiper Air-Diaphragm Pump (RM 126)
 - Piping, Valves, Strainers and Other Auxiliary Components

PREREQUISITE Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.

Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes, are required.

PROCEDURE

Daily

The tank levels are monitored on a 24-hours basis by an ultra-sonic level sensor through a software system. Tank levels can be remotely displayed at the IP address: <http://192.168.0.49/bpage.html>.

Monthly

The above ground storage tanks and associated systems are required to be inspected every month to verify integrity of the overall system in accordance with STI SP001 requirements.

The associated pumps and auxiliary components (piping, valves, strainers, etc.) are required to be inspected every month to ensure the integrity and general condition of the structural and mechanical components are maintained. See the [Blackmer Positive Displacement Rotary Vane Pump](#) (outside tank farm) and the [Sandpiper Air-Diaphragm Pump](#) (RM 126) manuals for specific inspection details.

Annual

The above ground storage tanks and associated systems are required to be inspected annually to verify integrity of the overall system in accordance with STI SP001 requirements.

Every 5-Years


Every 5-Years ultrasonic thickness testing is required by a certified inspector to determine the corrosion rate of the equipment per API 653 (Tanks) and API 570 (Piping).

Every 10-Years

Every 10-years an external inspection is required by a certified inspector to assess the internal and external condition of the tank to determine its suitability for continued use per STI SP0001 Tank Inspection Standard.

DEFICIENCIES

Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on

Document No.: TPM-INSP-008	Revision Date: 1/7/2022	Revision No.: 004	
Document Title: OUTSIDE STORAGE TANKS and ASSOCIATED EQUIPMENT			
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022	

the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.

DOCUMENTATION The above ground storage tanks and associated systems monthly inspection shall be documented on the [Outside Above Ground Storage Tank \(T01\)](#) and [Outside Above Ground Storage Tank \(T02\)](#) forms which complies with STI SP001 Monthly Tank Inspection Checklist. Documentation to be retained in the electronic Operations - TPM file.

The associated pumps and auxiliary components (piping, valves, strainers, etc.) monthly inspections shall be documented on the [Blackmer Pump and Auxiliary Component](#) (outside tank farm) and the [Sandpiper Pump and Auxiliary Component](#) (RM 126) forms which complies with STI SP001 Inspection Checklist.

The 5-year ultrasonic thickness testing and 10-year external inspection records shall be documented by the contractor with a copy of the inspection report provided to the organization. Documentation to be retained in the electronic recordkeeping file.

CONTRACTOR Compliance Testing and Technology
W67 N250 Evergreen Blvd., Suite B, Cedarburg, WI 53012
Phone: (262) 292-2200

Document No.: TPM-INSP-008	Revision Date: 1/7/2022	Revision No.: 004
Document Title: OUTSIDE STORAGE TANKS and ASSOCIATED EQUIPMENT		
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022




**Total Preventative Maintenance Inspection Form
Outside Above Ground Storage Tank (T01) - Monthly**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------

Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Inspection Guidance. This inspection is intended for monitoring the external AST condition and its containment structure. This visual inspection does not require a certified inspector. It shall be performed by an owner's inspector who is familiar with the site and can identify changes and developing problems. The checklist items below are the minimum inspection requirements. The asterisk (*) designates an item in a non-conformance status and indicates that action is required to address the problem at the time of the inspection. This inspection is based upon STI SP001 requirements.

T01 - Outside Above Ground Storage Tank	
Indication of reduce system flow or other system operational deficiency?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Stainer clean and in good condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
Filter in good condition and within the manufacturers expected service life?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
Visible signs of leakage or damage around tank, valves, piping, concrete pad, containment, transfer area, ring-wall or ground?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Water in primary tank, secondary containment interstice, dike, transfer containment or spill container?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Product in secondary containment interstice, dike transfer containment or spill container?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Tank liquid level gauge readable and functional?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Ladder and platform structure secure with no sign of server corrosion or damage?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
Visible portions of containment liner or expansion joint seam sealer in good condition with no signs of blistering, tearing, or delamination.	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
Containment egress pathways clear and gates/doors operable?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Debris or fire hazard in containment, transfer area, or spill container?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Drain valves operable and in a closed position?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
All tank openings properly sealed? Caps and covers have functional fittings, hardware and gaskets?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Leak detection for underground piping operable and not in an alarm condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
If equipped with an audible and/or visual over-fill alarm, does it operate when "test button" depressed?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
For the item above, is the battery charged if applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
Identification labels and tags secure, intact and readable?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Are there other conditions that should be addressed for continued safe operation or that may affect the site's SPCC Plan?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Comments:	

Document No.: TPM-INSP-008	Revision Date: 1/7/2022	Revision No.: 004	
Document Title: OUTSIDE STORAGE TANKS and ASSOCIATED EQUIPMENT			
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022	

**Total Preventative Maintenance Inspection Form
Outside Above Ground Storage Tank (T02) - Monthly**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------

Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Inspection Guidance. This inspection is intended for monitoring the external AST condition and its containment structure. This visual inspection does not require a certified inspector. It shall be performed by an owner's inspector who is familiar with the site and can identify changes and developing problems. The checklist items below are the minimum inspection requirements. The asterisk (*) designates an item in a non-conformance status and indicates that action is required to address the problem at the time of the inspection. This inspection is based upon STI SP001 requirements.

T02 - Outside Above Ground Storage Tank

Indication of reduce system flow or other system operational deficiency?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Stainer clean and in good condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
Filter in good condition and within the manufacturers expected service life?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
Visible signs of leakage or damage around tank, valves, piping, concrete pad, containment, transfer area, ring-wall or ground?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Water in primary tank, secondary containment interstice, dike, transfer containment or spill container?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Product in secondary containment interstice, dike transfer containment or spill container?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Tank liquid level gauge readable and functional?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Ladder and platform structure secure with no sign of server corrosion or damage?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
Visible portions of containment liner or expansion joint seam sealer in good condition with no signs of blistering, tearing, or delamination.	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
Containment egress pathways clear and gates/doors operable?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Debris or fire hazard in containment, transfer area, or spill container?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Drain valves operable and in a closed position?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
All tank openings properly sealed? Caps and covers have functional fittings, hardware and gaskets?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Leak detection for underground piping operable and not in an alarm condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
If equipped with an audible and/or visual over-fill alarm, does it operate when "test button" depressed?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
For the item above, is the battery charged if applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
Identification labels and tags secure, intact and readable?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Are there other conditions that should be addressed for continued safe operation or that may affect the site's SPCC Plan?	<input type="checkbox"/> Yes* <input type="checkbox"/> No

Comments:

Document No.: TPM-INSP-008	Revision Date: 1/7/2022	Revision No.: 004
Document Title: OUTSIDE STORAGE TANKS and ASSOCIATED EQUIPMENT		
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022



**Total Preventative Maintenance Inspection Form
Blackmer Pump and Auxiliary Components (Outside Tank Farm) Form - Monthly**


Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------

Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Inspection Guidance. Periodic inspection for the general condition and operation of the pump units is imperative for safe and efficient operation. Any unit found to be compromised shall be immediately repaired or taken out-of-service.

Manufacturer: Blackmer Positive Displacement Rotary Vane Pump	Make and Model: GX3E	Serial Number: 933043
---	--------------------------------	---------------------------------

Preventative Maintenance Item	Observation	Identified Deficiencies
Pump. Visually inspect the unit for any damage or compromise to its integrity.		
Pump. Ensure the unit is clean.		
Pump. Lubricate the two grease fittings as needed. Remove the grease relief fittings from the bearing cover. Slowly apply grease with a hand gun until grease begins to escape from the grease relief fitting port. Replace the grease relief fittings. DO NOT over grease pump bearings.		
Pump. Clean the strainer.		
Pump. Ensure the unit is properly grounded. Verify with conductivity meter.		
Pump. Operate the pump by recirculating material through the system. Turn on the main power at the electrical box in Room 124. Open the four valves in the tank farm. Turn on the switch at the tank farm. Recirculate material for 10-15 minutes or the period for which it takes to get the pump motor up to operating temperature. Once completed shut-down system.		
Pump. Inspect all moving parts, framework, drum holder and contact areas for signs of wear, fatigue or loosening. Tighten, adjust or replace parts as necessary to prevent failure and maintain proper function.		
Piping. Visually inspect the piping for any damage, corrosion or compromise to its integrity.		
Swing Check Valves. Visually inspection for condition and proper operation. (Morrison 246ADI-0500AV)		
Internal Emergency Valves. Visually inspection for condition and proper operation. (Morrison 272HDI-0100AV)		

Document No.: TPM-INSP-008	Revision Date: 1/7/2022	Revision No.: 004	
Document Title: OUTSIDE STORAGE TANKS and ASSOCIATED EQUIPMENT			
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022	

**Total Preventative Maintenance Inspection Form
Sandpiper Pump and Auxiliary Components (RM126) Form - Monthly**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------

Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Inspection Guidance. Periodic inspection for the general condition and operation of the pump units is imperative for safe and efficient operation. Any unit found to be compromised shall be immediately repaired or taken out-of-service.

Manufacturer: Sandpiper Air Diaphragm Metallic Pump	Make and Model: S20	Serial Number: 2025576
---	-------------------------------	----------------------------------


Preventative Maintenance Item	Observation	Identified Deficiencies
Pump. Visually inspect the unit for any damage or compromise to its integrity.		
Pump. Ensure the unit is clean.		
Pump. Ensure unit is properly grounded. Verify with conductivity meter.		
Pump. Inspect all parts and framework areas for signs of wear, fatigue deformities, rust or loosening. Tighten, adjust or replace parts as necessary to prevent failure and maintain proper function.		
Piping. Visually inspect the piping for any damage, corrosion or compromise to its integrity.		
Strainer. Visually inspect the basket strainer for any damage or compromise to its integrity and if the unit is clean.		
Ball Valves. Visually adjust the steam packaging as needed and cycle the valve from open to close to ensure proper operation. (ProMax PM01)		
Emergency (Fire) Valves. Cycle the valve from open to close to ensure proper operation. (Morrison 346DI-0500 AV)		

Document No.: TPM-INSP-009	Revision Date: 1/7/2022	Revision No.: 002
Document Title: PRESSURE WASHER		
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022



PRESSURE WASHER TOTAL PREVENTATIVE MAINTENANCE PROGRAM

- PURPOSE** This procedure describes the steps required to maintain the integrity of the cleaning equipment present.
- REFERENCES**
- Hosty 1075SSE Specifications
- PREREQUISITE** Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.
- Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes, are required.
- PROCEDURE**
- Annual**
The pressure washer is required to be inspected annually to ensure the integrity and general condition of the overall system is operating and functioning properly. See the [Hosty 1075SSE](#) manuals for specific inspection details
- *Special Note. At the present time, due to the low hours metered on the pressure washer, it may be determined that the annual inspection is not required. However, this will be documented.
- DEFICIENCIES** Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.
- DOCUMENTATION** The annual inspection records shall be documented by the contractor with a copy of the inspection report provided to the organization. Documentation to be retained in the electronic recordkeeping file.
- CONTRACTOR** Hosty Cleaning Systems, Inc.
3558 Hillside Drive, Delafield, WI 53018
Phone: (262) 646-4677

Document No.: TPM-INSP-010	Revision Date: 1/7/2022	Revision No.: 003	
Document Title: AIR COMPRESSOR SYSTEM			
Certified By: OPERATION MANAGER	Certified Date: 1/7/2022		

AIR COMPRESSOR SYSTEM AND ASSOCIATED EQUIPMENT TOTAL PREVENTATIVE MAINTENANCE PROGRAM

PURPOSE This procedure describes the steps required to maintain the integrity of the air compressor system present.

- REFERENCES**
- CompAir Air Compressor Unit (Model L07 10HP)
 - Silvan Air Receiver Tank
 - Great Lakes Coalescing Filter (Model GC-100-SA)
 - Great Lakes Refrigerated Air Dryer (Model GRF-100A-116)
 - All-Weather Hydraulic Oil ISO Grade 46

PREREQUISITE Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.

Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes, are required.

PROCEDURE

Annual
The air compressor system and associated equipment are required to be inspected annually to ensure the integrity and general condition of the overall system is operating and functioning properly. See the [CompAir Compressor Unit](#) and [Great Lakes Refrigerated Air Dryer](#) manuals for specific inspection details.

Every 5-Years
Every 5-Years an internal inspection of the pressure vessel by a qualified person must be conducted per API 510 (Pressure Vessels) and API 570 (Piping).

DEFICIENCIES Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.

DOCUMENTATION The annual inspection records shall be documented by the contractor with a copy of the inspection report provided to the organization. Documentation to be retained in the electronic Operations - TPM file.

The 5-year ultrasonic thickness testing and 10-year external inspection records shall be documented by the contractor with a copy of the inspection report provided to the organization. Documentation to be retained in the electronic recordkeeping file.

CONTRACTOR ABC Flow Services - Wisconsin, Inc.
Formerly Wisconsin Compressed Air Corporation
12855 W. Silver Spring Drive, Butler, WI 53007
Phone: (800) 236-1616

Document No.: TPM-INSP-011	Revision Date: 6/23/2022	Revision No.: 004
Document Title: GENERATOR		
Certified By: OPERATION MANAGER		Certified Date: 6/23/2022



GENERATOR TOTAL PREVENTATIVE MAINTENANCE PROGRAM

PURPOSE This procedure describes the steps required to maintain the integrity of the backup generator system present.

REFERENCES

- Generac Generator Model H-100

PREREQUISITE Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.

Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes, are required.

PROCEDURE **Annual**
The generator is required to be inspected annually to ensure the integrity and crucial emergency components (ex. emergency lighting, exit signs) is operational by the unit, as well as, to ensure the overall all system is operational and functioning properly. See the [Generac Generator Model H-100](#) manuals for specific inspection details.

DEFICIENCIES Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.

DOCUMENTATION The annual inspection records shall be documented by the contractor with a copy of the inspection report provided to the organization. Documentation to be retained in the electronic recordkeeping file.

CONTRACTOR Wolter Power Systems
3125 Intertech Drive, Brookfield, WI 53045
Phone: (262) 790-6230

Document No.: TPM-INSP-012	Revision Date: 1/7/2022	Revision No.: 002
Document Title: GAS DETECTION SYSTEM		
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022



GAS MONITORING AND DETECTION SYSTEM MECHANICAL INTEGRITY PROCEDURE

- PURPOSE** This procedure describes the steps required to maintain the integrity of the machines, equipment and systems present.
- REFERENCES**
- Honeywell Manning Air Alert 96d Multi-Channel Gas Monitoring System
 - Honeywell Optima Plus IR Sensors (Model 2108)
 - Honeywell XNX Universal Transmitter
- PREREQUISITE** Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.
- Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes are required.
- PROCEDURE**
- Daily Monitoring**
The gas monitoring system is monitors the gas levels in RM 125 and RM 126 on a 24-hour basis. If vapor levels exceed 20% of the lower explosive limit (LEL), an advisory alarm is activated to notify the facility that vapor are present and above acceptable levels. If vapor levels exceed 40% of the lower explosive limit (LEL), the fire alarm is activated indicating evacuation of the facility is required.
- Annual**
The gas detection system is required to be calibrated and inspected annual to ensure the integrity and general condition of the overall system is operating and functioning properly. See the [Honeywell Gas Monitoring System, Sensors and Transmitter](#) manuals for specific inspection details.
- SPECIAL NOTES** All sensors are on one group within the gas monitoring system. At 20% of the LEL a supervisory alarm is initiated at the fire panel located in the Front Lobby and green light will flash. At 40% of the LEL the evacuation alarm is initiated and the fire department is notified via the 24-hour monitoring system. The green light will turn a solid amber color. The password for the gas monitoring system panel in the IT room is 2967.
- DEFICIENCIES** Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged “Out of Service” until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.
- DOCUMENTATION** The annual inspection records shall be documented by the contractor with a copy of the inspection report provided to the organization. Documentation to be retained in the electronic recordkeeping file.
- CONTRACTOR** Lesman Instrument Company (Previously Raeco)
5160 N. 125th Street, Butler, WI 53007
Phone: (262) 923-1797

Document No.: TPM-INSP-012	Revision Date: 1/7/2022	Revision No.: 002
Document Title: GAS DETECTION SYSTEM		
Certified By: OPERATION MANAGER	Certified Date: 1/7/2022	



kari@lesman.com

Document No.: TPM-INSP-013	Revision Date: 1/7/2022	Revision No.: 001
Document Title: LOADING DOCK LEVELERS		
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022



**LOADING DOCK LEVELERS
TOTAL PREVENTATIVE MAINTENANCE PLAN**

PURPOSE This procedure describes the steps required to maintain the integrity of the machines, equipment and systems present.

REFERENCES

- Airdock Series Air-Powered Dock Leveler Model AD
- Mechanical Dock Leveler Model CM

PREREQUISITE Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.


Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes are required.

PROCEDURE Every 3-Months
The dock levelers are required to be inspected every three months to ensure the integrity and general condition of the units are maintained. See the [Nordock Airdock Series Air Powered Dock Leveler Model AD](#) and [Nordock Mechanical Dock Leveler Model CM](#) for specific inspection details.

DEFICIENCIES Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.

DOCUMENTATION The inspections shall be documented on the attached form. Documentation to be retained in the electronic recordkeeping file.

CONTRACTOR Flatly Dock Systems, Inc.
2220 C. Stonebridge Road, West Bend, WI 53095
Phone: (262) 335-3625

Document No.: TPM-INSP-013	Revision Date: 1/7/2022	Revision No.: 001	
Document Title: LOADING DOCK LEVELERS			
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022	

**Total Preventative Maintenance Inspection Form
Airdock Series Dock Leveler Model AD - Every 3-Months**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------


Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Periodic inspection for the general condition of structural and mechanical components is imperative for safe and efficient operation. Any unit found to be compromised shall be immediately repaired or taken out-of-service.

Dock Leveler

Manufacturer: Nordock, Inc.	Make and Model: Model AD-68-30	Serial Number: 21512	Location: RM 124 - Dock #2 (East Docks)
---------------------------------------	--	--------------------------------	---

Preventative Maintenance Item	Check Upon Completion	Comments
Visually inspect the unit for any damage or compromise to its integrity.		
Lip Hinge. Use light oil to lubricate. Remove debris as required. Light oil used should have good penetration and adhesion qualities.		
Chain. Use chain lube to lubricate. Remove debris as required. Lube used for chain should be a lithium-based spray lube.		
Rear Hinge. Use light oil to lubricate. Remove debris as required. Light oil used should have good penetration and adhesion qualities.		
Lip Extended Mechanism. Use light oil to lubricate. Remove debris as required. Light oil used should have good penetration and adhesion qualities.		
Bearings. Use grease to lubricate. Remove debris as required. Grease used should be a minimum EP-2 grade.		
Pit Area. Remove debris as required.		

Document No.: TPM-INSP-013	Revision Date: 1/7/2022	Revision No.: 001	
Document Title: LOADING DOCK LEVELERS			
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022	

**Total Preventative Maintenance Inspection Form
Airdock Series Dock Leveler Model AD - Every 3-Months**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------


Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Periodic inspection for the general condition of structural and mechanical components is imperative for safe and efficient operation. Any unit found to be compromised shall be immediately repaired or taken out-of-service.

Dock Leveler

Manufacturer: Nordock, Inc.	Make and Model: Model AD-68-30	Serial Number: 21511	Location: RM 124 - Dock #3 (East Docks)
---------------------------------------	--	--------------------------------	---

Preventative Maintenance Item	Check Upon Completion	Comments
Visually inspect the unit for any damage or compromise to its integrity.		
Lip Hinge. Use light oil to lubricate. Remove debris as required. Light oil used should have good penetration and adhesion qualities.		
Chain. Use chain lube to lubricate. Remove debris as required. Lube used for chain should be a lithium-based spray lube.		
Rear Hinge. Use light oil to lubricate. Remove debris as required. Light oil used should have good penetration and adhesion qualities.		
Lip Extended Mechanism. Use light oil to lubricate. Remove debris as required. Light oil used should have good penetration and adhesion qualities.		
Bearings. Use grease to lubricate. Remove debris as required. Grease used should be a minimum EP-2 grade.		
Pit Area. Remove debris as required.		

Document No.: TPM-INSP-013	Revision Date: 1/7/2022	Revision No.: 001	
Document Title: LOADING DOCK LEVELERS			
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022	

**Maintenance Inspection Form
Mechanical Dock Leveler Model CM - Every 3-Months**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------


Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Periodic inspection for the general condition of structural and mechanical components is imperative for safe and efficient operation. Any unit found to be compromised shall be immediately repaired or taken out-of-service.

Dock Leveler (Room 125 or North Dock)

Manufacturer: Nordock, Inc.	Make and Model: Model AD-68-30	Serial Number: 21511	Location: RM 125 - Dock #4 (East Docks)
---------------------------------------	--	--------------------------------	---

Preventative Maintenance Item	Check Upon Completion	Comments
Visually inspect the unit for any damage or compromise to its integrity.		
Dock Hinge. Use light oil to lubricate. Remove debris as required. Light oil used should have good penetration and adhesion qualities.		
Lip Hinge. Use light oil to lubricate. Remove debris as required. Light oil used should have good penetration and adhesion qualities.		
Deck Float Assembly. Use grease to lubricate. Remove debris as required. Grease used should be a minimum EP-2 grade.		
Lift Arm Assembly. Use light oil to lubricate. Remove debris as required. Light oil used should have good penetration and adhesion qualities.		
Pit Area. Remove debris as required.		

Document No.: TPM-INSP-013	Revision Date: 1/7/2022	Revision No.: 001	
Document Title: LOADING DOCK LEVELERS			
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022	

**Total Preventative Maintenance Inspection Form
Airdock Series Dock Leveler Model AD - Every 3-Months**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------


Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Periodic inspection for the general condition of structural and mechanical components is imperative for safe and efficient operation. Any unit found to be compromised shall be immediately repaired or taken out-of-service.

Dock Leveler

Manufacturer: Nordock, Inc.	Make and Model: Model AD-68-30	Serial Number:	Location: RM 127 - Dock #6 (North Docks)
---------------------------------------	--	-----------------------	--

Preventative Maintenance Item	Check Upon Completion	Comments
Visually inspect the unit for any damage or compromise to its integrity.		
Lip Hinge. Use light oil to lubricate. Remove debris as required. Light oil used should have good penetration and adhesion qualities.		
Chain. Use chain lube to lubricate. Remove debris as required. Lube used for chain should be a lithium-based spray lube.		
Rear Hinge. Use light oil to lubricate. Remove debris as required. Light oil used should have good penetration and adhesion qualities.		
Lip Extended Mechanism. Use light oil to lubricate. Remove debris as required. Light oil used should have good penetration and adhesion qualities.		
Bearings. Use grease to lubricate. Remove debris as required. Grease used should be a minimum EP-2 grade.		
Pit Area. Remove debris as required.		

Document No.: TPM-INSP-013	Revision Date: 1/7/2022	Revision No.: 001	
Document Title: LOADING DOCK LEVELERS			
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022	

**Total Preventative Maintenance Inspection Form
Airdock Series Dock Leveler Model AD - Every 3-Months**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------


Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Periodic inspection for the general condition of structural and mechanical components is imperative for safe and efficient operation. Any unit found to be compromised shall be immediately repaired or taken out-of-service.

Dock Leveler

Manufacturer: Nordock, Inc.	Make and Model: Model AD-68-30	Serial Number:	Location: RM 127 - Dock #7 (North Docks)
---------------------------------------	--	-----------------------	--

Preventative Maintenance Item	Check Upon Completion	Comments
Visually inspect the unit for any damage or compromise to its integrity.		
Lip Hinge. Use light oil to lubricate. Remove debris as required. Light oil used should have good penetration and adhesion qualities.		
Chain. Use chain lube to lubricate. Remove debris as required. Lube used for chain should be a lithium-based spray lube.		
Rear Hinge. Use light oil to lubricate. Remove debris as required. Light oil used should have good penetration and adhesion qualities.		
Lip Extended Mechanism. Use light oil to lubricate. Remove debris as required. Light oil used should have good penetration and adhesion qualities.		
Bearings. Use grease to lubricate. Remove debris as required. Grease used should be a minimum EP-2 grade.		
Pit Area. Remove debris as required.		

Document No.: TPM-INSP-013	Revision Date: 1/7/2022	Revision No.: 001	
Document Title: LOADING DOCK LEVELERS			
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022	

**Total Preventative Maintenance Inspection Form
Airdock Series Dock Leveler Model AD - Every 3-Months**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------


Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Periodic inspection for the general condition of structural and mechanical components is imperative for safe and efficient operation. Any unit found to be compromised shall be immediately repaired or taken out-of-service.

Dock Leveler

Manufacturer: Nordock, Inc.	Make and Model: Model AD-68-30	Serial Number:	Location: RM 127 - Dock #8 (North Docks)
---------------------------------------	--	-----------------------	--

Preventative Maintenance Item	Check Upon Completion	Comments
Visually inspect the unit for any damage or compromise to its integrity.		
Lip Hinge. Use light oil to lubricate. Remove debris as required. Light oil used should have good penetration and adhesion qualities.		
Chain. Use chain lube to lubricate. Remove debris as required. Lube used for chain should be a lithium-based spray lube.		
Rear Hinge. Use light oil to lubricate. Remove debris as required. Light oil used should have good penetration and adhesion qualities.		
Lip Extended Mechanism. Use light oil to lubricate. Remove debris as required. Light oil used should have good penetration and adhesion qualities.		
Bearings. Use grease to lubricate. Remove debris as required. Grease used should be a minimum EP-2 grade.		
Pit Area. Remove debris as required.		

Document No.: TPM-INSP-013	Revision Date: 1/7/2022	Revision No.: 001	
Document Title: LOADING DOCK LEVELERS			
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022	

**Total Preventative Maintenance Inspection Form
Airdock Series Dock Leveler Model AD - Every 3-Months**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------

Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Periodic inspection for the general condition of structural and mechanical components is imperative for safe and efficient operation. Any unit found to be compromised shall be immediately repaired or taken out-of-service.

Dock Leveler

Manufacturer: Nordock, Inc.	Make and Model: Model AD-68-30	Serial Number:	Location: RM 127 - Dock #9 (North Docks)
---------------------------------------	--	-----------------------	--


Preventative Maintenance Item	Check Upon Completion	Comments
Visually inspect the unit for any damage or compromise to its integrity.		
Lip Hinge. Use light oil to lubricate. Remove debris as required. Light oil used should have good penetration and adhesion qualities.		
Chain. Use chain lube to lubricate. Remove debris as required. Lube used for chain should be a lithium-based spray lube.		
Rear Hinge. Use light oil to lubricate. Remove debris as required. Light oil used should have good penetration and adhesion qualities.		
Lip Extended Mechanism. Use light oil to lubricate. Remove debris as required. Light oil used should have good penetration and adhesion qualities.		
Bearings. Use grease to lubricate. Remove debris as required. Grease used should be a minimum EP-2 grade.		
Pit Area. Remove debris as required.		

Document No.: TPM-INSP-014	Revision Date: 1/7/2022	Revision No.: 002
Document Title: OVERHEAD FIRE DOOR		
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022



OVERHEAD FIRE DOOR TOTAL PREVENTATIVE MAINTENANCE PROGRAM

- PURPOSE** This procedure describes the steps required to maintain the integrity of the machines, equipment and systems present.
- REFERENCES**
- Overhead Fire Door
- PREREQUISITE** Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.
- Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes are required.
- PROCEDURE** **Annual Inspections**
The overhead fire door is required to be inspection on an annual basis. The inspection will be conducted by a qualified outside contractor on the behalf of the organization.
- DEFICIENCIES** Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.
- DOCUMENTATION** The annual inspections shall be documented by the contractor with a copy of the inspection report provided to the organization. Documentation to be retained in the electronic recordkeeping file.
- CONTRACTOR** Blair Fire Protection
13111 W. Silver Spring Drive, Butler, WI 53007
Phone: (414) 460-4006
Email: Kevin Gall (k.gall@blairfireprotection.com)

Document No.: TPM-INSP-015	Revision Date: 1/7/2022	Revision No.: 001	
Document Title: FLOOR SCALE			
Certified By: OPERATION MANAGER	Certified Date: 1/7/2022		

FLOOR SCALE EQUIPMENT TOTAL PREVENTATIVE MAINTENANCE PROGRAM

PURPOSE	This procedure describes the steps required to maintain the integrity of the machines, equipment and systems present.
REFERENCES	<ul style="list-style-type: none"> • CAS 4x4 10,000 lbs. MS Floor Scale • TI 500E MS Indicator
PREREQUISITE	<p>Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.</p> <p>Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes are required.</p>
PROCEDURE	<p>Annual Inspection</p> <p>The floor scale and associated equipment are required to be inspected and calibrated annually to ensure the integrity and general condition of the overall system is operating and functioning properly. See the appropriate manufacturing manual for the specific units indicated above for specific inspection details.</p>
DEFICIENCIES	Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.
DOCUMENTATION	The annual inspection and calibration records shall be documented by the contractor with a copy of the inspection report provided to the organization. Documentation to be retained in the electronic recordkeeping file.
CONTRACTOR	<p>A-1 Scale Service, Inc. 3287 Sherman Way, Slinger, WI 53086 Phone: (262) 677-3555</p>

Document No.: TPM-INSP-016	Revision Date: 1/7/2022	Revision No.: 003
Document Title: HVAC SYSTEM		
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022




HVAC AND ASSOCIATED EQUIPMENT TOTAL PREVENTATIVE MAINTENANE PROGRAM

PURPOSE This procedure describes the steps required to maintain the integrity of the machines, equipment and systems present.

REFERENCES See table below for specific equipment details:

Number	Description	Manufacturer	Model	Year Installed	Location
CEF-1	Ceiling Exhaust Fan	Broan	AE50	Aug-2012	Shipping Office
EBB-1	Electrical Baseboard Heaters	Q-Mark/Marley	2578W	Aug-2012	Offices (Old)
EBB-2	Electrical Baseboard Heaters	Marley	2578W	Aug-2012	Lunchroom/Conference
EBB-3	Electrical Baseboard Heaters	Marley	2506W	Sep-2012	Offices (New)
EBB-4	Electrical Baseboard Heaters	Marley	2506W	Sep-2012	Offices (New)
EBB-5	Electrical Baseboard Heaters	Marley	2506W	Sep-2012	Offices (New)
EF-1	Exhaust Fan	Broan	684	Sep-2012	Private Bathroom
EF-2	Exhaust Fan	Broan	L-150	Sep-2012	Warehouse Bathroom
EF-3	Exhaust Fan	Broan	684	Sep-2012	Janitor's Closet
EF-4	Exhaust Fan	Broan	684	Sep-2012	Women's Bathroom
EF-5	Exhaust Fan	Broan	684	Sep-2012	Men's Bathroom
EF-6	Exhaust Fan	Carnes	VUBK-08-K4	Sep-2012	Laboratory
EF-7	Exhaust Fan	Carnes	VUBK-21-51	Sep-2012	Warehouse RM 125
EF-8	Exhaust Fan	Carnes	VUBK-15-R1	Sep-2012	Warehouse RM 126
EWH-1	Electrical Wall Heater	Q-Mark	CWH-110-DS	Sep-2012	Entrance Corridor
EWH-2	Electrical Wall Heater	Q-Mark	CWH-110-DS	Sep-2012	Entrance Corridor
EWH-3	Electrical Wall Heater	Q-Mark/Marley	CWH3408F	Aug-2021	Shipping Corridor
MS-1	Electrical Air Conditioner	LG Electronics	LSN122HE	Sep-2012	IT Room
MUA 1	Make-Up Air	Captive Aire	AA3-D.750-G18	Sep-2012	Roof - RM 125
MUA-2	Make-Up Air	Captive Aire	A2-D.500	Aug-2021	Roof - RM 125
PTAC-1	Packaged Terminal Air Conditioner	Fredrich	PDE09K	Aug-2021	Shipping Office
PRV-1	Pressure Relief Valve	Captive Aire	NCA18FA	Aug-2021	Roof - RM 125
RTU 1	Roof Top Unit	Trane	YSC090E3	Sep-2012	Roof - Offices
RTU-2	Roof Top Unit	Comfortmaker	PGD430060K	Aug-2021	Roof - Offices
UH-1	Natural Gas Unit Heater	Sterling	TF-200	Jan-2016	RM 124 Warehouse
UH-2	Natural Gas Unit Heater	Sterling	TF-100	Nov-2019	RM 124 Warehouse
UH-3	Natural Gas Unit Heater	Modine	PCP-350	Aug-2021	RM 127 Warehouse
UH-4	Natural Gas Unit Heater	Modine	PCP-350	Aug-2021	RM 127 Warehouse
UH-5	Natural Gas Unit Heater	Modine	PCP-350	Aug-2021	RM 127 Warehouse
VAV-1	Electronic Thermostat	Nailor	UNI2-VAV	Aug-2021	Inside
VAV-2	Electronic Thermostat	Nailor	UNI2-VAV	Aug-2021	Inside

Document No.: TPM-INSP-016	Revision Date: 1/7/2022	Revision No.: 003	
Document Title: HVAC SYSTEM			
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022	

PREREQUISITE Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.

Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes are required.

PROCEDURE Bi-Annual Inspection (Spring and Fall Maintenance)
The air compressor system and associated equipment are required to be inspected bi-annually to ensure the integrity and general condition of the overall system is operating and functioning properly. See the appropriate manufacturing manual for the specific units indicated above for specific inspection details.

DEFICIENCIES Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.

DOCUMENTATION The bi-annual inspection records shall be documented by the contractor with a copy of the inspection report provided to the organization. Documentation to be retained in the electronic recordkeeping file.

CONTRACTOR Ideal Mechanical
5477 S. Westridge Court
New Berlin, WI 53151
Phone: (262) 879-8349

John Cass, Project Engineer
Cell Phone: (414) 731-0321
Email: john.cass@pieperpower.com

Document No.: TPM-INSP-017	Revision Date: 1/7/2022	Revision No.: 001
Document Title: PORTABLE CONTAINER STORAGE		
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022



**PORTABLE CONTAINER STORAGE
TOTAL PREVENTATIVE MAINTENANCE PROGRAMS**

- PURPOSE** This procedure describes the steps required to maintain the integrity of the machines, equipment and systems present.
- REFERENCES** Portable containers being stored within the facility at the time the inspection is conducted. This includes totes, drums, cubic yard boxes, pails and any other container present.
- PREREQUISITE** Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.
- Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes are required.
- PROCEDURE** **Weekly Inspection**
The containers being stored within the facility are required to be inspected on a weekly basis by internal designated personnel.
- DEFICIENCIES** Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.
- DOCUMENTATION** The inspections shall be documented on the attached form. Documentation to be retained in the electronic recordkeeping file.
- CONTRACTOR** None

Document No.: TPM-INSP-017	Revision Date: 1/7/2022	Revision No.: 001
Document Title: PORTABLE CONTAINER STORAGE		
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022



**Total Preventative Maintenance Inspection Form
Portable Container Storage Inspection - Weekly**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------

Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Inspection Guidance. This inspection is intended for monitoring the external container condition. The visual inspection does not require a certified inspector. It shall be performed by an owner's inspector who is familiar with the site and can identify changes and developing problems. The checklist items below are the minimum inspection requirements. The asterisk (*) designates an item in a non-conformance status and indicates that action is required to address the problem at the time of the inspection. This inspection is based upon STI SP0001 requirements.

RM 124	
Storage Area/Containment. Container within designated storage area?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Storage Area/Containment. Debris, spills and other fire hazards in storage area and containment?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Storage Area/Containment. Egress pathways clear and doors operable?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Storage Area/Containment. Secondary containment is free of signs of spills, cracks or deterioration?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Leak Detection. Visible signs of leakage around the container or storage area?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Container. Noticeable container distortions, buckling, denting or bulging?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Comments:	

RM 125	
Storage Area/Containment. Container within designated storage area?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Storage Area/Containment. Debris, spills and other fire hazards in storage area and containment?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Storage Area/Containment. Egress pathways clear and doors operable?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Storage Area/Containment. Secondary containment is free of signs of spills, cracks or deterioration?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Leak Detection. Visible signs of leakage around the container or storage area?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Container. Noticeable container distortions, buckling, denting or bulging?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Comments:	

RM 126	
Storage Area/Containment. Container within designated storage area?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Storage Area/Containment. Debris, spills and other fire hazards in storage area and containment?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Storage Area/Containment. Egress pathways clear and doors operable?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Storage Area/Containment. Secondary containment is free of signs of spills, cracks or deterioration?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Leak Detection. Visible signs of leakage around the container or storage area?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Container. Noticeable container distortions, buckling, denting or bulging?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Comments:	

Document No.: TPM-INSP-017	Revision Date: 1/7/2022	Revision No.: 001
Document Title: PORTABLE CONTAINER STORAGE		
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022



RM 127	
Storage Area/Containment. Container within designated storage area?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Storage Area/Containment. Debris, spills and other fire hazards in storage area and containment?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Storage Area/Containment. Egress pathways clear and doors operable?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Storage Area/Containment. Secondary containment is free of signs of spills, cracks or deterioration?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Leak Detection. Visible signs of leakage around the container or storage area?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Container. Noticeable container distortions, buckling, denting or bulging?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Comments:	

Document No.: TPM-INSP-018	Revision Date: 1/7/2022	Revision No.: 002
Document Title: SPRINKLER SYSTEM		
Certified By: OPERATION MANAGER		Certified Date: 1/7/2022



SPRINKLER SYSTEM TOTAL PREVENTATIVE MAINTENANCE PROGRAM

PURPOSE This procedure describes the steps required to maintain the integrity of the machines, equipment and systems present.

- REFERENCES**
- Sprinkler System - Water (Office Area)
 - Sprinkler System - Foam (Warehouses and Laboratory)
 - Sprinkler System - Deluge System (Tank Farm)
 - Double Check Valves
 - Foam Testing

PREREQUISITE Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.

Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes are required.

PROCEDURE


Quarterly Inspection
The sprinkler system is required to be inspection on a quarterly basis. The inspection will be conducted by a qualified outside contractor on the behalf of the organization.

Annual Inspections
The sprinkler system and double check valves are required to be inspection on an annual basis. The inspection will be conducted by a qualified outside contractor on the behalf of the organization. In addition, the foam testing is required.

DEFICIENCIES Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.

DOCUMENTATION The inspections shall be documented by the contractor with a copy of the inspection report provided to the organization. Documentation to be retained in the electronic recordkeeping file.

CONTRACTOR Blair Fire Protection
13111 W. Silver Spring Drive, Butler, WI 53007
Phone: (414) 460-4006
Email: Kevin Gall (k.gall@blairfireprotection.com)

Document No.: TPM-INSP-019	Revision Date: 6/23/2022	Revision No.: 003	
Document Title: SECONDARY CONTAINMENT AND STORMCEPTOR			
Certified By: OPERATION MANAGER		Certified Date: 6/23/2022	

SECONDARY CONTAINMENT AND STORMCEPTOR SYSTEM TOTAL PREVENATIVE MAINTENANCE PROGRAM

PURPOSE This procedure describes the steps required to maintain the integrity of the outside secondary containment area (east loading docks, north loading docks, tanker filling loading pads and above ground storage secondary containment structure).

- REFERENCES**
- East Loading Docks and Trench (Dock #2, #3 and #4)
 - North Loading Docks and Trench (Dock #6, #7, #8 and #9)
 - Tanker Filling Pads #1 and #2
 - Outside Secondary Containment Structure
 - Stormceptor System

PREREQUISITE Inspection only authorized to be conducted by personnel familiar with the areas and their intended purpose and/or experienced, trained and/or qualified personnel acceptable to the organization.

PROCEDURE

Daily
A visual review of all areas will be conducted as part of the daily Facility Inspection (TPM-INSP-0020). If during this inspection, integrity issues are identified, they should be addressed immediately.

Bi-Annually
The areas described above will be inspected to ensure continuous integrity and proper maintenance. In addition, to ensure a high level of housekeeping of these areas are maintained. See the [Secondary Containment and Stormceptor Inspection Form \(attached\)](#) for specific inspection details.

DEFICIENCIES Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.

DOCUMENTATION The biannual inspections shall be documented on the [Secondary Containment and Stormceptor Inspection Form \(attached\)](#). Documentation to be retained in the electronic recordkeeping files.

CONTRACTOR Grunau
1100 W. Anderson Court, Oak Creek, WI 53154
Phone: (414) 216-6886
Contact: Kyle Germait (kyle.germait@grunau.us)

Document No.: TPM-INSP-019	Revision Date: 6/23/2022	Revision No.: 003
Document Title: SECONDARY CONTAINMENT AND STORMCEPTOR		
Certified By: OPERATION MANAGER		Certified Date: 6/23/2022



Total Preventative Maintenance Inspection Form Secondary Containment and Stormceptor System

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------

Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

East Loading Docks and Trench (Dock #2, #3 and #4)

Preventative Maintenance Item	Check Upon Completion	Comments
Remove the trench grates and clean accumulated sediment and debris.		
Inspect grated concrete for integrity and ensure free of cracks and gaps.		
Clear loading dock area of any accumulated sediment and debris. Sweep and/or power wash the area.		
Inspect loading dock pad for integrity and ensure free of cracks and gaps.		
Inspect loading dock pad to ensure expansion joints are sealed.		
Inspect the manual valve for proper operation and for cover seal integrity.		

North Loading Docks and Trench (Dock #6, #7, #8 and #9)

Preventative Maintenance Item	Check Upon Completion	Comments
Remove the trench grates and clean accumulated sediment and debris.		
Inspect grated concrete for integrity and ensure free of cracks and gaps.		
Clear loading dock area of any accumulated sediment and debris. Sweep and/or power wash the area.		
Inspect loading dock pad for integrity and ensure free of cracks and gaps.		
Inspect loading dock pad to ensure expansion joints are sealed.		

TANKER FILLING PADS (Tanker Filling Pad #1 and #2)

Preventative Maintenance Item	Check Upon Completion	Comments
Inspect tanker filling pad for integrity and ensure free of cracks and gaps.		
Inspect loading dock pad to ensure expansion joints are sealed.		
Clear tanker filling pad of any accumulated sediment and debris. Sweep and/or power wash the area.		

Document No.: TPM-INSP-019	Revision Date: 6/23/2022	Revision No.: 003
Document Title: SECONDARY CONTAINMENT AND STORMCEPTOR		
Certified By: OPERATION MANAGER		Certified Date: 6/23/2022



Outside Storage Tank Secondary Containment Structure (Outside)

Preventative Maintenance Item	Check Upon Completion	Comments
Remove and clean accumulated sediment and debris within the structure. Sweep and/or power wash the area.		
Inspect structure for integrity and ensure free of cracks and gaps.		
Inspect structure to ensure expansion joints are sealed.		
Inspect the manual valve for proper operation and for cover seal integrity.		

Stormceptor (Outside)

Manufacturer: Rinker Stormceptor and Loading Dock Trenches	Make and Model: 900	Serial Number: N/A
--	-------------------------------	------------------------------

Preventative Maintenance Item	Check Upon Completion	Comments
Remove and clean accumulated sediment and debris within the stormceptor.		
Inspect the unit for integrity and ensure free of cracks and gaps.		
Inspect the valve for proper operation and for cover seal integrity.		

Document No.: TPM-INSP-020	Revision Date: 6/23/2022	Revision No.: 004
Document Title: FACILITY INSPECTION		
Certified By: OPERATION MANAGER		Certified Date: 6/23/2022



**FACILITY INSPECTION
TOTAL PREVENTATIVE MAINTENANCE PROGRAM**

PURPOSE This procedure describes the steps required to maintain the integrity of the machines, equipment and systems present.

- REFERENCES**
- Property
 - Facility
 - Assets

PREREQUISITE Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.


Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes are required.

PROCEDURE **Daily Inspection**
The entire property, facility and its assets are required to be inspected each day the facility is in operation to ensure it is maintained in good working condition.

DEFICIENCIES Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.

DOCUMENTATION The inspections shall be documented on the attached form. Documentation to be retained in the electronic recordkeeping files.

CONTRACTOR None

Document No.: TPM-INSP-020	Revision Date: 6/23/2022	Revision No.: 004	
Document Title: FACILITY INSPECTION			
Certified By: OPERATION MANAGER	Certified Date: 6/23/2022		

**Total Preventative Maintenance Inspection Form
Facility Inspection - Daily**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------

Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

This form is required to be completed for each day the facility is in operation by the assigned designee. A copy of this completed report shall be retained on-site and available for review by authorized personnel.


ROOM 124	STATUS	COMMENT
All doors are closed and locked.	Satisfactory Unsatisfactory	
Floors are clean and free of any spills or debris in storage area or containment.	Satisfactory Unsatisfactory	
All marked aisles and exit paths are unobstructed and free of debris.	Satisfactory Unsatisfactory	
No obstruction or storage within unauthorized areas (yellow lined out areas).	Satisfactory Unsatisfactory	
Electrical panels are unobstructed (yellow lined out areas).	Satisfactory Unsatisfactory	
Emergency shower/eyewash unit is unobstructed (yellow lined out areas).	Satisfactory Unsatisfactory	
General lighting is illuminated and in proper working condition.	Satisfactory Unsatisfactory	
Emergency phone numbers updated and posted at the phone station.	Satisfactory Unsatisfactory	
Emergency evacuation routes posted at the exit points.	Satisfactory Unsatisfactory	
Emergency exit signs are fully illuminated (if required) and in proper working condition.	Satisfactory Unsatisfactory	
Fire doors are unobstructed and closed.	Satisfactory Unsatisfactory	
Fire extinguishers are unobstructed.	Satisfactory Unsatisfactory	
Spill kit is present and fully stocked.	Satisfactory Unsatisfactory	
Drain blocker cover present and in good condition.	Satisfactory Unsatisfactory	
Two-way communication radios operational and charged.	Satisfactory Unsatisfactory	
General garbage containers are not overflowing. Empty if needed.	Satisfactory Unsatisfactory	
Desk is clean and organized.	Satisfactory Unsatisfactory	
All equipment and tools are in their designated place for storage.	Satisfactory Unsatisfactory	
Scale is clean and free of spills and debris.	Satisfactory Unsatisfactory	
Containers are stored on pallets, stable and in designated aisles/areas.	Satisfactory Unsatisfactory	
Containers are properly closed with lids, tarps, or covers. The closure device is visually monitor for gaps, holes and cracks (Subpart CC).	Satisfactory Unsatisfactory	
Containers are in good condition, not leaking, free of damage and excessive corrosion, and have no evidence of over-pressurization.	Satisfactory Unsatisfactory	
Container labels are visible and accurate.	Satisfactory Unsatisfactory	
Floor area, pallets and containers are free of evidence of leaks.	Satisfactory Unsatisfactory	

Document No.: TPM-INSP-020	Revision Date: 6/23/2022	Revision No.: 004
Document Title: FACILITY INSPECTION		
Certified By: OPERATION MANAGER		Certified Date: 6/23/2022



Secondary containment floor and curbs are in good condition with no damage to coating and no cracks or gaps.	Satisfactory	Unsatisfactory	
Storage quantity is below license limit. (616 55-gallon equivalent containers)	Satisfactory	Unsatisfactory	
Supplies being stored on storage racking is neat, organized and stable.	Satisfactory	Unsatisfactory	
Sprinkler system controls area is clean, neat and organized.	Satisfactory	Unsatisfactory	
Locker room is clean, neat and organized.	Satisfactory	Unsatisfactory	
Bathroom is clean, neat and organized.	Satisfactory	Unsatisfactory	
Janitor's closet is clean, neat and organized.	Satisfactory	Unsatisfactory	
Air compressor oil level checked.	Satisfactory	Unsatisfactory	
Air dryer tank water drained.	Satisfactory	Unsatisfactory	
No miscellaneous items present or being stored – no accumulation.	Satisfactory	Unsatisfactory	


ROOM 125	STATUS	COMMENT
All doors are closed and locked.	Satisfactory	Unsatisfactory
Floors are clean and free of any spills or debris in storage area or containment.	Satisfactory	Unsatisfactory
All marked aisles and exit paths are unobstructed and free of debris.	Satisfactory	Unsatisfactory
No obstruction or storage within unauthorized areas (yellow lined out areas).	Satisfactory	Unsatisfactory
General lighting is illuminated and in proper working condition.	Satisfactory	Unsatisfactory
Emergency evacuation routes posted at the exit points.	Satisfactory	Unsatisfactory
Emergency exit signs are fully illuminated and in proper working condition.	Satisfactory	Unsatisfactory
Fire doors are unobstructed and closed.	Satisfactory	Unsatisfactory
Fire extinguishers are unobstructed.	Satisfactory	Unsatisfactory
Spill kit is present and fully stocked.	Satisfactory	Unsatisfactory
Gas monitors are unobstructed (yellow lined out areas).	Satisfactory	Unsatisfactory
Ventilation ports are unobstructed (yellow lined out areas) and working properly.	Satisfactory	Unsatisfactory
General garbage containers are not overflowing. Empty if needed.	Satisfactory	Unsatisfactory
Desk is clean and organized.	Satisfactory	Unsatisfactory
All equipment and tools are in their designated place for storage.	Satisfactory	Unsatisfactory
Containers are stored on pallets, stable and in designated aisles/areas.	Satisfactory	Unsatisfactory
Containers are properly closed with lids, tarps, or covers. Containers are closed and secure. The closure device is visually monitor for gaps, holes and cracks (Subpart CC).	Satisfactory	Unsatisfactory
Containers are in good condition, not leaking, free of damage and excessive corrosion, and have no evidence of over-pressurization.	Satisfactory	Unsatisfactory
Container labels are visible and accurate.	Satisfactory	Unsatisfactory
Floor area, pallets and containers are free of evidence of leaks.	Satisfactory	Unsatisfactory
Secondary containment floor and curbs are in good condition with no damage to coating and no cracks or gaps.	Satisfactory	Unsatisfactory

Document No.: TPM-INSP-020	Revision Date: 6/23/2022	Revision No.: 004	
Document Title: FACILITY INSPECTION			
Certified By: OPERATION MANAGER		Certified Date: 6/23/2022	

Storage quantity is below license limit. (784 55-gallon equivalent containers)	Satisfactory	Unsatisfactory	
No miscellaneous items present or being stored – no accumulation.	Satisfactory	Unsatisfactory	


ROOM 126	STATUS	COMMENT
All doors are closed and locked.	Satisfactory	Unsatisfactory
Floors are clean and free of any spills or debris in storage area or containment.	Satisfactory	Unsatisfactory
All marked aisles and exit paths are unobstructed and free of debris.	Satisfactory	Unsatisfactory
No obstruction or storage within unauthorized areas (yellow lined out areas).	Satisfactory	Unsatisfactory
General lighting is illuminated and in proper working condition.	Satisfactory	Unsatisfactory
Emergency evacuation routes posted at the exit points.	Satisfactory	Unsatisfactory
Emergency exit signs are fully illuminated and in proper working condition.	Satisfactory	Unsatisfactory
Fire doors are unobstructed and closed.	Satisfactory	Unsatisfactory
Fire extinguishers are unobstructed.	Satisfactory	Unsatisfactory
Spill kit is present and fully stocked.	Satisfactory	Unsatisfactory
Pump area is clean and organized and no indication of leaks.	Satisfactory	Unsatisfactory
Piping, valves, pressure relief devices, flanges and connections are free of corrosion, leaks and other deterioration.	Satisfactory	Unsatisfactory
Chemical pipelines are properly labeled.	Satisfactory	Unsatisfactory
Gas monitors are unobstructed (yellow lined out areas).	Satisfactory	Unsatisfactory
Ventilation ports are unobstructed (yellow lined out areas).	Satisfactory	Unsatisfactory
All equipment and tools are in their designated place for storage.	Satisfactory	Unsatisfactory
Grounding and bonding cables are clean and in good condition.	Satisfactory	Unsatisfactory
Containers are stored on pallets, stable and in designated aisles/areas.	Satisfactory	Unsatisfactory
Containers are properly closed with lids, tarps, or covers. Containers are closed and secure. The closure device is visually monitor for gaps, holes and cracks (Subpart CC).	Satisfactory	Unsatisfactory
Containers are in good condition, not leaking, free of damage and excessive corrosion, and have no evidence of over-pressurization.	Satisfactory	Unsatisfactory
Container labels are visible and accurate.	Satisfactory	Unsatisfactory
Floor area, pallets and containers are free of evidence of leaks.	Satisfactory	Unsatisfactory
Secondary containment floor and curbs are in good condition with no damage to coating and no cracks or gaps.	Satisfactory	Unsatisfactory
Storage quantity is below license limit. (160 55-gallon equivalent containers)	Satisfactory	Unsatisfactory
No miscellaneous items present or being stored – no accumulation.	Satisfactory	Unsatisfactory

ROOM 127	STATUS	COMMENT
All doors are closed and locked.	Satisfactory	Unsatisfactory
Floors are clean and free of any spills or debris in storage area or containment.	Satisfactory	Unsatisfactory

Document No.: TPM-INSP-020	Revision Date: 6/23/2022	Revision No.: 004	
Document Title: FACILITY INSPECTION			
Certified By: OPERATION MANAGER		Certified Date: 6/23/2022	

All marked aisles and exit paths are unobstructed and free of debris.	Satisfactory	Unsatisfactory	
No obstruction or storage within unauthorized areas (yellow lined out areas).	Satisfactory	Unsatisfactory	
Electrical panels are unobstructed (yellow lined out areas).	Satisfactory	Unsatisfactory	
General lighting is illuminated and in proper working condition.	Satisfactory	Unsatisfactory	
Emergency phone numbers updated and posted at the phone station.	Satisfactory	Unsatisfactory	
Emergency evacuation routes posted at the exit points.	Satisfactory	Unsatisfactory	
Emergency exit signs are fully illuminated (if required) and in proper working condition.	Satisfactory	Unsatisfactory	
Fire doors are unobstructed and closed.	Satisfactory	Unsatisfactory	
Fire extinguishers are unobstructed.	Satisfactory	Unsatisfactory	
Spill kit is present and fully stocked.	Satisfactory	Unsatisfactory	
Storage tank area is clean and organized and no indication of leaks.	Satisfactory	Unsatisfactory	
Storage tank manifold system is clean and no indication of leaks.	Satisfactory	Unsatisfactory	
Piping, valves, pressure relief devices, flanges and connections are free of corrosion, leaks and other deterioration.	Satisfactory	Unsatisfactory	
Chemical pipelines are properly labeled.	Satisfactory	Unsatisfactory	
General garbage containers are not overflowing. Empty if needed.	Satisfactory	Unsatisfactory	
Desk is clean and organized.	Satisfactory	Unsatisfactory	
All equipment and tools are in their designated place for storage.	Satisfactory	Unsatisfactory	
Containers are stored on pallets, stable and in designated aisles/areas.	Satisfactory	Unsatisfactory	
Containers are properly closed with lids, tarps, or covers. Containers are closed and secure. The closure device is visually monitor for gaps, holes and cracks.	Satisfactory	Unsatisfactory	
Containers are in good condition, not leaking, free of damage and excessive corrosion, and have no evidence of over-pressurization.	Satisfactory	Unsatisfactory	
Container labels are visible and accurate.	Satisfactory	Unsatisfactory	
Floor area, pallets and containers are free of evidence of leaks.	Satisfactory	Unsatisfactory	
Secondary containment floor and curbs are in good condition with no damage to coating and no cracks or gaps.	Satisfactory	Unsatisfactory	
Storage quantity is below license limit. (3,304 55-gallon equivalent containers)	Satisfactory	Unsatisfactory	
Supplies being stored on storage racking is neat, organized and stable.	Satisfactory	Unsatisfactory	
Shipping area corridor is clean and neat.	Satisfactory	Unsatisfactory	
No miscellaneous items present or being stored – no accumulation.	Satisfactory	Unsatisfactory	

LABORATORY	STATUS	COMMENT
Floors are clean and free of any spills or debris.	Satisfactory	Unsatisfactory
General lighting is illuminated and in proper working condition.	Satisfactory	Unsatisfactory
Emergency phone numbers updated and posted at the phone station.	Satisfactory	Unsatisfactory
Emergency evacuation routes posted at the exit points.	Satisfactory	Unsatisfactory

Document No.: TPM-INSP-020	Revision Date: 6/23/2022	Revision No.: 004	
Document Title: FACILITY INSPECTION			
Certified By: OPERATION MANAGER		Certified Date: 6/23/2022	

Fire extinguishers are unobstructed.	Satisfactory Unsatisfactory	
General garbage containers are not overflowing. Empty if needed.	Satisfactory Unsatisfactory	
Counters are clean and organized.	Satisfactory Unsatisfactory	
All equipment and tools are in their designated place for storage.	Satisfactory Unsatisfactory	
Samples are labeled to their identity and sealed.	Satisfactory Unsatisfactory	
Samples are not accumulating in excessive amounts.	Satisfactory Unsatisfactory	
Flammable samples are properly stored in the flammable cabinet.	Satisfactory Unsatisfactory	
Fume hood is clean, neat and organized.	Satisfactory Unsatisfactory	
No miscellaneous items present or being stored – no accumulation.	Satisfactory Unsatisfactory	

EAST LOADING DOCKS	STATUS	COMMENT
Secondary containment free of debris and garbage.	Satisfactory Unsatisfactory	
Secondary containment free of standing liquid.*	Satisfactory Unsatisfactory	
The lid on the secondary containment manhole closed and locked.	Satisfactory Unsatisfactory	
The valve that presents flow to the storm water systems is in the closed position.	Satisfactory Unsatisfactory	
The east loading docks secondary containment concrete is not compromised and of adequate integrity. No cracks, gaps, or damage to coating.	Satisfactory Unsatisfactory	
No miscellaneous items present or being stored.	Satisfactory Unsatisfactory	
Storage quantity is below license limit. (18,000-gallons)	Satisfactory Unsatisfactory	
<p>*If free standing liquid is present within the Secondary Containment, it needs to be evaluated and documented using the SPCC Record of Secondary Containment Observation and Drainage (WI-EHS-016 – Appendix G) Form prior to release or removal.</p>		

OUTSIDE TANK FARM	STATUS	COMMENT
Gate is closed and locked.	Satisfactory Unsatisfactory	
Gate and fencing are intact and free from signs of forced entry or tampering.	Satisfactory Unsatisfactory	
Secondary containment free of debris and garbage.	Satisfactory Unsatisfactory	
Secondary containment free of standing liquid.*	Satisfactory Unsatisfactory	
The lid on the secondary containment manhole closed and locked.	Satisfactory Unsatisfactory	
The valve that presents flow to the storm water systems is in the closed position.	Satisfactory Unsatisfactory	
Tanker filling area secondary containment concrete is not compromised and of adequate integrity. No cracks, gaps, or damage to coating.	Satisfactory Unsatisfactory	
No miscellaneous items present or being stored.	Satisfactory Unsatisfactory	
Storage quantity is below license limit for the tanker filling areas. (12,000-gallons)	Satisfactory Unsatisfactory	
<p>*If free standing liquid is present within the Secondary Containment, it needs to be evaluated and documented using the SPCC Record of Secondary Containment Observation and Drainage (WI-EHS-016 - Appendix G) Form prior to release or removal.</p>		

FACILITY GROUNDS	STATUS	COMMENT
-------------------------	---------------	----------------

Document No.: TPM-INSP-020	Revision Date: 6/23/2022	Revision No.: 004
Document Title: FACILITY INSPECTION		
Certified By: OPERATION MANAGER		Certified Date: 6/23/2022



All outside utility doors are closed and locked.	Satisfactory	Unsatisfactory	
The badge access system is properly functioning.	Satisfactory	Unsatisfactory	
Security cameras are properly functioning.	Satisfactory	Unsatisfactory	
Security alarm system properly functioning.	Satisfactory	Unsatisfactory	
Property lighting is illuminated and in proper working condition.	Satisfactory	Unsatisfactory	
North loading docks are free of debris and garage.	Satisfactory	Unsatisfactory	
Stormceptor is closed and in proper working condition.	Satisfactory	Unsatisfactory	
Asphalt and concrete are in good condition.	Satisfactory	Unsatisfactory	
Property landscape maintained in good condition.	Satisfactory	Unsatisfactory	
No miscellaneous items present or being stored on the property – no accumulation.	Satisfactory	Unsatisfactory	
<p>*If free standing liquid is present within the Secondary Containment, it needs to be evaluated and documented using the SPCC Record of Secondary Containment Observation and Drainage (WI-EHS-016 - Appendix G) Form prior to removal or release.</p>			



**ENVIRO-SAFE RESOURCE RECOVERY
RECORD OF SECONDARY CONTAINMENT OBSERVATION AND DRAINAGE**

The outside secondary containment areas shall be visually inspected on a daily basis. When liquid is observed within the secondary containment, it must be evaluated and actions documented.

Name of Person Conducting the Evaluation	Evaluation Date
---	------------------------

Rainfall Reference Chart				
1 in = 2,493 gal	0.95 in = 2,369 gal	0.9 in = 2,244 gal	0.85 in = 2,119 gal	0.8 in = 1,995 gal
0.75 in = 1,870 gal	0.7 in = 1,745 gal	0.65 in = 1,621 gal	0.6 in = 1,496 gal	0.55 in = 1,371 gal
0.5 in = 1,247 gal	0.45 in = 1,122 gal	0.4 in = 997 gal	0.35 in = 873 gal	0.3 in = 748 gal
0.25 in = 623 gal	0.2 in = 499 gal	0.15 in = 374 gal	0.1 in = 249 gal	0.05 in = 125 gal

Location	Source of Liquid Accumulation	Estimated Quantity	Evaluation Results		
East Loading Dock	<input type="checkbox"/> Spill <input type="checkbox"/> Leak <input type="checkbox"/> Rainfall Event		<input type="checkbox"/> Discharged <input type="checkbox"/> Contained		
Color:	<input type="checkbox"/> Clear <input type="checkbox"/> Red	<input type="checkbox"/> Yellow	<input type="checkbox"/> Brown	<input type="checkbox"/> Other	
Odor:	<input type="checkbox"/> None <input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Rotten Egg	<input type="checkbox"/> Other	
Clarity:	<input type="checkbox"/> Clear <input type="checkbox"/> Cloudy	<input type="checkbox"/> Opaque	<input type="checkbox"/> Suspended Solids	<input type="checkbox"/> Other	
Floatables:	<input type="checkbox"/> None <input type="checkbox"/> Foam	<input type="checkbox"/> Garbage	<input type="checkbox"/> Oily Film	<input type="checkbox"/> Other	
Deposits/Stains:	<input type="checkbox"/> None <input type="checkbox"/> Oily	<input type="checkbox"/> Sludge	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Other Observations:					

Location	Source of Liquid Accumulation	Estimated Quantity	Evaluation Results		
Tanker Fill Pad and Tank Farm	<input type="checkbox"/> Spill <input type="checkbox"/> Leak <input type="checkbox"/> Rainfall Event		<input type="checkbox"/> Discharged <input type="checkbox"/> Contained		
Color:	<input type="checkbox"/> Clear <input type="checkbox"/> Red	<input type="checkbox"/> Yellow	<input type="checkbox"/> Brown	<input type="checkbox"/> Other	
Odor:	<input type="checkbox"/> None <input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Rotten Egg	<input type="checkbox"/> Other	
Clarity:	<input type="checkbox"/> Clear <input type="checkbox"/> Cloudy	<input type="checkbox"/> Opaque	<input type="checkbox"/> Suspended Solids	<input type="checkbox"/> Other	
Floatables:	<input type="checkbox"/> None <input type="checkbox"/> Foam	<input type="checkbox"/> Garbage	<input type="checkbox"/> Oily Film	<input type="checkbox"/> Other	
Deposits/Stains:	<input type="checkbox"/> None <input type="checkbox"/> Oily	<input type="checkbox"/> Sludge	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Other Observations:					

Document No.: TPM-INSP-021	Revision Date: 2/14/2022	Revision No.: 000
Document Title: WATER HEATER		
Certified By: OPERATION MANAGER		Certified Date: 2/14/2022



**WATER HEATER
TOTAL PREVENTATIVE MAINTENANCE PROGRAM**

- PURPOSE** This procedure describes the steps required to maintain the integrity of the water heater.
- REFERENCES**
- Bradford Water Heater Model M250T6DS-1NCWW
- PREREQUISITE** Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.
- Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes, are required.
- PROCEDURE**
- Annual**
The water heater is required to be inspected annually to ensure the integrity and general condition of the overall system is operating and functioning properly. See the [Bradford Water Heater](#) manuals for specific inspection details
- Monthly**
The water heater is required to be inspected monthly to ensure the seals around the heating elements are no leaking, the thermostat is operating properly and to drain off any residual water to remove silt or sediment.
- DEFICIENCIES** Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.
- DOCUMENTATION** The annual inspection records shall be documented by the contractor with a copy of the inspection report provided to the organization. Documentation to be retained in the electronic recordkeeping file.
- CONTRACTOR** Joe DeBelak Plumbing and Heating
W143 N9358 Henry Start Road, Menomonee Falls, WI 53051
Phone: (262) 251-2890

Document No.: TPM-INSP-021	Revision Date: 2/14/2022	Revision No.: 000
Document Title: WATER HEATER		
Certified By: OPERATION MANAGER		Certified Date: 2/14/2022



**Total Preventative Maintenance Inspection Form
Water Heater Form - Monthly**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------


Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Periodic inspection for the general condition of structural and mechanical components is imperative for safe and efficient operation. Any unit found to be compromised shall be immediately repaired or taken out-of-service.

Water Heater


Manufacturer: Bradford	Make and Model: M250T6DS-1NCWW	Serial Number: N/A
----------------------------------	--	------------------------------

Preventative Maintenance Item	Observation	Identified Deficiencies
Visually inspect the unit for any damage or compromise to its integrity.		
Check the thermostat to ensure it is properly operating.		
Check the seals around the heating element for leaks. If there are any signs of leaks, disconnect the power supply to the water heater. The unit needs to be serviced.		
Drain of approximately one-gallon of water from the water heater to remove silt and sediment.		

Document No.: TPM-INSP-023	Revision Date: 2/18/2022	Revision No.: 000	
Document Title: BOMB CALORIMETER			
Certified By: TECHNICAL SERVICE MANAGER	Certified Date: 2/18/2022		

BOMB CALORIMETER MECHANICAL INTEGRITY PROCEDURE

PURPOSE	This procedure describes the steps required to maintain the integrity of the machines, equipment and systems present.
REFERENCES	<ul style="list-style-type: none"> • Parr 6400 Bomb Calorimeter Manual • Rinse Tank Assembly
PREREQUISITE	<p>Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.</p> <p>Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes are required.</p>
PROCEDURE	<p>Monthly Inspection</p> <p>The Bomb Calorimeter is required to be calibrated monthly to ensure the integrity and general condition of the overall system is operating and functioning properly. Calibration should be completed per the user manual. Expiration date of calibration reagents should be checked prior to use. The machine should be wiped clean with a dampened soft cloth to remove dust and residue. The jacket reservoir should be emptied and refilled sufficiently with DI water to keep the vessel partially submerged. The rinse tank should be emptied and refilled with DI water. Gas Connections, hoses, and tanks should all be visually inspected for signs of damage. The bomb vessel and O-ring should be visually inspected for damage. Damage to these may include: pitting, staining, cracking, scratches, discoloration, and many others.</p> <p>Annual Inspection</p> <p>An annual inspection will be performed annually in February of each year by a manufacturer technician or manufacturer certified 3rd party technician.</p>
DEFICIENCIES	Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.
DOCUMENTATION	The weekly inspection and calibration records shall be documented laboratory personnel in the equipment's calibration log. Documentation to be retained in the electronic recordkeeping file.
CONTRACTOR	Parr Instruments, Inc. 211 Fifty Third-Street, Moline, IL 61265 Phone: (800) 872-7720 Zach Schony, Technical Sales Representative Email: Zack.Schony@parrinst.com

Document No.: TPM-INSP-023	Revision Date: 2/18/2022	Revision No.: 000	
Document Title: BOMB CALORIMETER			
Certified By: TECHNICAL SERVICE MANAGER	Certified Date: 2/18/2022		

**Total Preventative Maintenance Inspection Form
Bomb Calorimeter - Monthly**


Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------

Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Calibration should be completed per the user manual. Expiration date of calibration reagents should be checked prior to use. The machine should be wiped clean with a dampened soft cloth to remove dust and residue. The jacket reservoir should be emptied and refilled sufficiently with DI water to keep the vessel partially submerged. The rinse tank should be emptied and refilled with DI water. Gas Connections, hoses, and tanks should all be visually inspected for signs of damage. The bomb vessel and O-ring should be visually inspected for damage. Damage to these may include: pitting, staining, cracking, scratches, discoloration, and many others.

Manufacturer: Parr Instruments, Inc.	Make and Model: A1435DDEB	Serial Number: M85980
--	-------------------------------------	---------------------------------

Bomb Calorimeter Inspection		
Item	Acceptable	Notes
Machine Wiped Soft Dampened Cloth	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Bomb Jacket Water Empty/Refill	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Rinse Tank Water Empty/Refill	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Gas Connections Intact	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Oxygen Tank Regulator/Volume Remaining	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Bomb Vessel Inspection	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Bomb Vessel Lid and O-Ring Inspection	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Bomb Waste Container Drain and Rinse	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Bomb Reagents and Supplies Stocked	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Benzoic Acid Calibration and Bomb Value	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	

Document No.: TPM-INSP-024	Revision Date: 2/18/2022	Revision No.: 000	
Document Title: ION CHROMATOGRAPHY (IC)			
Certified By: TECHNICAL SERVICE MANAGER	Certified Date: 2/18/2022		

ION CHROMATOGRAPHY (IC) EQUIPMENT MECHANICAL INTEGRITY PROCEDURE

PURPOSE This procedure describes the steps required to maintain the integrity of the machines, equipment and systems present.

REFERENCES

- Metrohm Eco IC Unit

PREREQUISITE Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.

Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes are required.

PROCEDURE

Annual inspection

The full annual inspection is to be conducted by personnel from Metrohm or other lab equipment servicer. Washer, lines, and other pieces will be changed regardless of condition at this point. Record of this service and result of a calibration will be kept in the form of receipt from contractor

Monthly Inspection

Machine and equipment will be inspected for any leaks, wear, tear, and/or breakages. Special attention should be given to hose connection points and to any lines within a peristaltic pump apparatus. The machine should be wiped free of dust and residues using a soft dampened cloth. Empty waste container and clean with dish soap if any residue or grime is visible.

It is of paramount importance that nitrile or other gloves be worn during any maintenance or inspection of the IC unit. The IC unit is highly vulnerable to contamination from human skin or other unsanitary items. Unwanted contact of internals can result in background or false readings that only a thorough teardown and cleaning of the equipment will fix.

As needed, the eluent in the reservoir on the top of the machine should be refilled whenever it is either: Below 250ml -or- below the operating level necessary to run planned number of samples. In order to complete the refill, The bottle should first be emptied and then flushed thoroughly with deionized water. Inspect the line and cap for wear and replace pieces as needed. Drain the bottle of excess liquid, then refill with newly prepared eluent as in the instruction manual. Label the bottle with the date the solution was prepared and filled. Conduct a new standard curve procedure before running samples using a new eluent mixture. Results of standard curve should be saved in standards folder.

DEFICIENCIES

Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.

Document No.: TPM-INSP-024	Revision Date: 2/18/2022	Revision No.: 000
Document Title: ION CHROMATOGRAPHY (IC)		
Certified By: TECHNICAL SERVICE MANAGER		Certified Date: 2/18/2022



DOCUMENTATION The annual inspection and calibration records shall be documented by the contractor with a copy of the inspection report provided to the organization. Documentation to be retained in the electronic recordkeeping files.

CONTRACTOR Metrohm USA, Inc.
9250 Camden Field Parkway, Riverview, FL 32578
Phone: (813) 316-4705
Amy Furreness, Account Representative
Phone (224) 283-3261
amy.furreness@metrohmusa.com

Michael Boushley, Field Service Engineer
Phone: (414) 232-0891
michael.boushley@metrohmusa.com

Document No.: TPM-INSP-024	Revision Date: 2/18/2022	Revision No.: 000
Document Title: ION CHROMATOGRAPHY (IC)		
Certified By: TECHNICAL SERVICE MANAGER		Certified Date: 2/18/2022




**Total Preventative Maintenance Inspection Form
Ion Chromatography - Monthly**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------

Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Manufacturer: Metrohm USA, Inc.	Make and Model: N/A	Serial Number: 186300106619
---	-------------------------------	---------------------------------------

Eco IC Inspection		
Item	Acceptable	Notes
Machine Wiped with Soft Dampened Cloth	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Molecular Sieve/Desiccant Functional	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Waste Bottle Emptied and Cleaned	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Hoses and Hose Connections Intact	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Hose Within Peristaltic Pump Inspected	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Eluent Volume and Fill Date	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Reagents and Supplies Stocked; Not Expired	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Regenerant Volume and Fill Date	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	

Document No.: TPM-INSP-025	Revision Date: 2/18/2022	Revision No.: 000	
Document Title: DI WATER (ELGA FLEX) SYSTEM			
Certified By: TECHNICAL SERVICE MANAGER	Certified Date: 2/18/2022		

pH METER MECHANICAL INTEGRITY PROCEDURE

PURPOSE	This procedure describes the steps required to maintain the integrity of the machines, equipment and systems present.
REFERENCES	<ul style="list-style-type: none"> • DI Water (Elga Flex) System
PREREQUISITE	<p>Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.</p> <p>Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes are required.</p>
PROCEDURE	<p>Monthly Inspection Record the resistance at the nozzle display after dispensing 100ml of DI water. This should be done on the first of each month. Anything under 18 M-Ohms is deficient.</p> <p>Semi-Annual Maintenance The following filters should be changed out by internal personnel every June: PC1, LW5, LW6, Water Softener. After filter changes, completely dispense the volume of the water reservoir. After the unit refills the reservoir, record the resistance reading after dispensing 100ml of DI water.</p> <p>Annual Maintenance Performed by Culligan personnel in January of each year. Technician will replace all filters (PC1, LW2, LW3, LW4, LW5, LW6, and Softener), clean water lines, and replace washers. Record of this maintenance will be in the form of a receipt from the contractor.</p>
DEFICIENCIES	Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.
DOCUMENTATION	The weekly inspection and calibration records shall be documented by laboratory personnel in the equipment's calibration log. Documentation to be retained in the electronic recordkeeping file.
CONTRACTOR	<p>Culligan Water 251 Stockhausen Lane, West Bend, WI 53095 Kyle Weis, Account Specialist Phone: (262) 865-8075 Email: kyle.weis@culliganwater.com</p>

Document No.: TPM-INSP-025	Revision Date: 2/18/2022	Revision No.: 000
Document Title: DI WATER (ELGA FLEX) SYSTEM		
Certified By: TECHNICAL SERVICE MANAGER	Certified Date: 2/18/2022	



**Total Preventative Maintenance Inspection Form
DI Water (Elga Flex) System - Monthly**

Record the resistance at the nozzle display after dispensing 100ml of DI water. This should be done on the first of each month. Anything under 18 M-Ohms is deficient.

Manufacturer: Elga Flex	Make and Model: PF3XXXXM1-US	Serial Number: FLC00014520
-----------------------------------	--	--------------------------------------

DI Water (Elga Flex) Monthly Resistance Recordkeeping				
Month	Measurement (M-Ohms)	Acceptability	Date	Signature
January		<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		
February		<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		
March		<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		
April		<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		
May		<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		
June		<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		
July		<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		
August		<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		
September		<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		
October		<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		
November		<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		
December		<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		

Comments

Document No.: TPM-INSP-025	Revision Date: 2/18/2022	Revision No.: 000
Document Title: DI WATER (ELGA FLEX) SYSTEM		
Certified By: TECHNICAL SERVICE MANAGER	Certified Date: 2/18/2022	



**Total Preventative Maintenance Inspection Form
DI Water (Elga Flex) System - Semi-Annually**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------

Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Manufacturer: Elga Flex	Make and Model: PF3XXXXM1-US	Serial Number: FLC00014520
-----------------------------------	--	--------------------------------------


Semi Annual		
Item	Acceptable	Notes
PC1 Filter	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
LW5 Filter	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
LW6 Filter	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Water Softener Filter	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Resistance Reading	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	

Document No.: TPM-INSP-026	Revision Date: 2/18/2022	Revision No.: 000
Document Title: KARL FISCHER TITRATOR		
Certified By: TECHNICAL SERVICE MANAGER		Certified Date: 2/18/2022



KARL FISCHER TITRATOR EQUIPMENT MECHANICAL INTEGRITY PROCEDURE

- PURPOSE** This procedure describes the steps required to maintain the integrity of the machines, equipment and systems present.
- REFERENCES**
- Karl Fischer Titrator
- PREREQUISITE** Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.
- Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes are required.
- PROCEDURE**
- Annual Inspection**
The Karl Fischer Titrator unit and associated equipment are required to be inspected and calibrated annually to ensure the integrity and general condition of the overall system in operation and functioning properly. See the appropriate manufacturing manual for the specific units indicated above for specific inspection details.
- Monthly Inspection**
All lines should be flushed clean with concentrated ethanol and allowed to dry. Washers and lines should be inspected for weakness. Iodine reagent should not be allowed to sit in any line or piece of the equipment to prevent crystallization and clogging. Any part cleaned should have a final rinse with concentrated ethanol prior to drying.
- DEFICIENCIES** Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.
- DOCUMENTATION** The annual inspection records shall be documented by the contractor with a copy of the inspection report provided to the organization. The monthly inspection records shall be documented on the internal form. Documentation to be retained in the electronic recordkeeping files.
- CONTRACTOR** Mettler Toledo, LLC.
1900 Polaris Parkway
Columbus, OH 43240
Phone: (800) 638-8537

Document No.: TPM-INSP-026	Revision Date: 2/18/2022	Revision No.: 000	
Document Title: KARL FISCHER TITRATOR			
Certified By: TECHNICAL SERVICE MANAGER	Certified Date: 2/18/2022		

**Total Preventative Maintenance Inspection Form
Karl Fischer Titrator - Monthly**


Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------

Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

All lines should be flushed clean with concentrated ethanol and allowed to dry. Washers and lines should be inspected for weakness. Iodine reagent should not be allowed to sit in any line or piece of the equipment to prevent crystallization and clogging. Any part cleaned should have a final rinse with concentrated ethanol prior to drying.

Manufacturer: Mettler Toledo	Make and Model: V20	Serial Number: B348041296
--	-------------------------------	-------------------------------------

Karl Fischer Titrator Monthly Inspection		
Item	Acceptable	Notes
Machine Wiped with Soft Dampened Cloth	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Molecular Sieve/Desiccant Functional	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Waste Bottle Emptied and Cleaned	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Hoses and Hose Connections Intact	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Syringe Free of Leaks	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Reagents and Supplies Stocked; Not Expired	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Lines Flushed, Dried, and Reassembled	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Washers and O-Rings Inspected	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Standard Test Performed	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	

Document No.: TPM-INSP-028	Revision Date: 3/1/2022	Revision No.: 001	
Document Title: GROUNDING SYSTEM			
Certified By: OPERATION MANAGER	Certified Date: 3/1/2022		

GROUNDING SYSTEM TOTAL PREVENTATIVE MAINTENANCE PROGRAM

PURPOSE This procedure describes the steps required to maintain the integrity of the grounding system.

- REFERENCES**
- Bond-Rite Remove (RM 126)
 - Earth-Rite II RR (Outside Tank Farm)
 - ER2 C/R Tester (Ohm Testing Meter)

PREREQUISITE Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.

Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes, are required.

PROCEDURE

Daily Inspection

Informal daily inspections are conducted by the operators at the time of use for the safe operation of the equipment. The LED flashes when the clamp is operation correctly and is monitoring a good bonding connection. If the LED does not flash when the clamp is attached to a conductive item then the condition of all associated cable termination should be checked and adjusted as necessary. If the LED still does not flash, connect the clamp to a clean piece of metal. The LED should now flash. If the LED does not flash, replace the battery in accordance with the manufacturer instructions. Again, connect the clamp onto a clean piece of metal. The LED should now flash. If the LED still fails to show, the ground clamp should not be used.

Components to be incorporated into or used as replacements in equipment have been designed and constructed that they function safely for their intended purpose of explosion protection when they are installed in accordance with the manufacturer's instructions.

Annual Inspection

A complete annual inspection shall be conducted of the grounding system. This includes inspection the ground, indicators, clamps and cable. The inspection shall be documented on the Grounding System form.

DEFICIENCIES

Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.

DOCUMENTATION Documentation to be retained in the electronic recordkeeping file.

CONTRACTOR Newson Gale (IEP Technologies, LLC.0
417-1 South Street, Marlborough, MA 01752
Phone: (732) 961-7610

Document No.: TPM-INSP-028	Revision Date: 3/1/2022	Revision No.: 001
Document Title: GROUNDING SYSTEM		
Certified By: OPERATION MANAGER	Certified Date: 3/1/2022	



**Total Preventative Maintenance Inspection Form
Grounding System - Annually**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------

Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

A complete annual inspection shall be conducted of the grounding system. This includes inspection the ground, indicators, clamps and cable.

Preventative Maintenance Item	Observation	Identified Deficiencies
Operator Ground Resistant. Using the ohm meter, test the ground resistance. An acceptable result is 10 ohms or less. Results: _____		
Indication Lamp. Ensure the indicate lamp illuminates green when a proper ground is achieved. LED green indicates a proper ground connection.		
Clamp. Ensure the clamp is clean and the tension is appropriate to properly affix to containers.		
Cable. Ensure the cable from the grounding bar to the clamp is not pinched, frayed or otherwise in poor condition.		
Cable. Ensure all cables entering the enclosed power supply box are connected and not lose or otherwise compromised.		
Power Supply Unit. The power supply unit is securely mounted to the wall and is not damaged.		

Document No.: TPM-INSP-029	Revision Date: 6/14/2022	Revision No.: 001
Document Title: FLASHPOINT TESTER		
Certified By: TECHNICAL SERVICE MANAGER		Certified Date: 6/14/2022



FLASHPOINT TESTER MECHANICAL INTEGRITY PROCEDURE

- PURPOSE** This procedure describes the steps required to maintain the integrity of the machines, equipment and systems present.
- REFERENCES**
- Flashpoint Tester (Model RT-1)
- PREREQUISITE** Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.
- Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes are required.
- PROCEDURE** **Monthly Calibration**
Wipe the instrument clean with a damp cloth to remove any surface residues. Wipe clean the flash vessel using a damp cloth and a solvent with a high evaporation rate (ethanol, acetone, etc). After cleaning and removing all liquid from the vessel, set the temperature to 100F and verify that the thermometer reaches and holds at 100F. Check the gas canister for remaining reagent make sure that there is a spare gas canister ready to use.
- DEFICIENCIES** Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.
- DOCUMENTATION** The monthly inspection and calibration records shall be documented by laboratory personnel in the equipment's calibration log. Documentation to be retained in the electronic recordkeeping file.
- CONTRACTOR** Paul N. Gardner Company
316 NE First Street
Pompano Beach, FL 33060
Phone: (954) 946-9454

Document No.: TPM-INSP-029	Revision Date: 6/14/2022	Revision No.: 001
Document Title: FLASHPOINT TESTER		
Certified By: TECHNICAL SERVICE MANAGER		Certified Date: 6/14/2022




**Total Preventative Maintenance Inspection Form
Flashpoint Tester - Monthly**

Verify instrument reaches and holds temp and check for gas canister stock.

Manufacturer: Flashpoint Tester	Make and Model: RT-1	Serial Number: N/A
---	--------------------------------	------------------------------


Month	Acceptability	Date	Signature
January	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		
February	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		
March	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		
April	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		
May	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		
June	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		
July	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		
August	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		
September	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		
October	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		
November	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		
December	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency		

Comments

Document No.: TPM-INSP-030	Revision Date: 2/18/2022	Revision No.: 000	
Document Title: pH METER			
Certified By: TECHNICAL SERVICE MANAGER		Certified Date: 2/18/2022	

pH METER MECHANICAL INTEGRITY PROCEDURE

PURPOSE	This procedure describes the steps required to maintain the integrity of the machines, equipment and systems present.
REFERENCES	<ul style="list-style-type: none"> • Metrohm pH Meter
PREREQUISITE	<p>Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.</p> <p>Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes are required.</p>
PROCEDURE	<p>Monthly Inspection</p> <p>The pH Meter is required to be calibrated monthly to ensure the integrity and general condition of the overall system is operating and functioning properly. Calibration should be completed per the user manual. Expiration date of calibration solutions should be checked prior to use. The machine should be wiped clean with a dampened soft cloth to remove dust and residue. The probe cap should be filled sufficiently with DI water to keep the probe moist.</p>
DEFICIENCIES	Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.
DOCUMENTATION	The weekly inspection and calibration records shall be documented laboratory personnel in the equipment's calibration log book. Documentation to be retained in the electronic recordkeeping file.
CONTRACTOR	<p>Metrohm USA, Inc. 9250 Camden Field Parkway, Riverview, FL 32578 Phone: (813) 316-4705 Amy Furreness, Account Representative Phone: (224) 283-3261 amy.furreness@metrohmusa.com</p> <p>Michael Boushley, Field Service Engineer Phone (414) 232-0891 michael.boushley@metrohmusa.com</p>

Document No.: TPM-INSP-030	Revision Date: 2/18/2022	Revision No.: 000	
Document Title: pH METER			
Certified By: TECHNICAL SERVICE MANAGER	Certified Date: 2/18/2022		

**Total Preventative Maintenance Inspection Form
pH Meter - Monthly**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------

Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Expiration date of calibration solutions should be checked prior to use. The machine should be wiped clean with a dampened soft cloth to remove dust and residue. The probe cap should be filled sufficiently with DI water to keep the probe moist.

Floor Scrubber

Manufacturer: Metrohm USA, Inc.	Make and Model: HI2221	Serial Number: N/A
---	----------------------------------	------------------------------

pH Meter Monthly Inspection		
Item	Acceptable	Notes
Machine Wiped with Soft Dampened Cloth	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Probe Cap Cleaned and Refilled	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
3 Point Calibration Completed	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	
Calibration Standards Expiration	<input type="checkbox"/> Completed <input type="checkbox"/> Deficiency	

Document No.: TPM-INSP-031	Revision Date: 3/1/2022	Revision No.: 001
Document Title: CONCRETE FLOOR COATING AND JOINT FILLER		
Certified By: OPERATIONS MANAGER		Certified Date: 3/1/2022



**CONCRETE FLOOR COATING AND JOINT FILLER
TOTAL PREVENTATIVE MAINTENANCE PROGRAM**

PURPOSE This procedure describes the steps required to maintain the integrity of the security systems present.

- REFERENCES**
- Concrete Coatings (Warehouses and Outside Tanker Filling Pads)
 - Joint Sealant (Warehouse and Outside Tanker Filling Pads)
 - Urethane Cement Base (Warehouses)

PREREQUISITE Inspections only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.

PROCEDURE No specific inspection criteria are required for the concrete floor coatings and joint sealer. However, general conditions are inspected daily as part of the Facility Total Preventative Maintenance Inspection Report.

DEFICIENCIES Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.

DOCUMENTATION The annual inspection shall be documented on the attached form. Documentation to be retained in the electronic recordkeeping file.


CONTRACTOR Kevco, Inc.
3000 South 163rd Street, New Berlin, WI 53151
Phone: (262) 788-5556

Document No.: TPM-INSP-032	Revision Date: 1/7/2022	Revision No.: 000
Document Title: BLOWOUT DOORS		
Certified By: OPERATIONS MANAGER		Certified Date: 1/7/2022



BLOWOUT DOORS TOTAL PREVENTATIVE MAINTENANCE PROGRAM

PURPOSE	This procedure describes the steps required to maintain the integrity of the blowout doors present.
REFERENCES	<ul style="list-style-type: none"> • TKO Panel Doors
PREREQUISITE	Inspections only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.
PROCEDURE	No specific inspection criteria are required for the blowout doors identified above. However, general operations of these systems are inspected daily as part of the Facility Total Preventative Maintenance Inspection Report.
DEFICIENCIES	Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.
DOCUMENTATION	No specific documentation required to retain unless repairs are required. Repair documentation to be retained in the electronic recordkeeping file.
CONTRACTOR	Wilde's Lake Country Garage Doors, LLC. W278 N5534 Hanover Hill Road, Sussex, WI 53089 Phone: (262) 538-0137

Document No.: TPM-INSP-033	Revision Date: 8/4/2022	Revision No.: 002	
Document Title: INSIDE STORAGE TANKS and ASSOCIATED EQUIPMENT			
Certified By: OPERATION MANAGER		Certified Date: 8/4/2022	

**INSIDE STORAGE TANKS AND ASSOCIATED EQUIPMENT
TOTAL PROVENTATIVE MAINTENANCE PROGRAM**

PURPOSE This procedure describes the steps required to maintain the integrity of the above ground storage tanks and associated equipment present.

- REFERENCES**
- Above Ground Storage Tank Units
 - 1" Yamada Pump and Auxiliary Components (Inlet)
 - 3" Yamada Pump and Auxiliary Components (Outlet)

PREREQUISITE Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.

Review this procedure to ensure all steps and cautions are clear and all hazards have been defined. Ensure proper personal protective equipment is being worn for the activity to be conducted. At a minimum, safety shoes, are required.

PROCEDURE **Monthly**
The above ground storage tanks and associated systems are required to be inspected every month to verify integrity of the overall system in accordance with STI SP001 requirements.

The associated pumps and auxiliary components (piping, valves, strainers, etc.) are required to be inspected every month to ensure the integrity and general condition of the structural and mechanical components are maintained. See the 1" Yamada Pump and Auxiliary Components (inlet) and the 3" Yamada Pump and Auxiliary Component (outlet) manuals for specific inspection details.

Annual
The above ground storage tanks and associated systems are required to be inspected annually to verify integrity of the overall system in accordance with STI SP001 requirements.

DEFICIENCIES Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.

DOCUMENTATION The above ground storage tanks and associated systems monthly inspection shall be documented on the [Inside Above Ground Storage Tank \(T07-T10\)](#) forms which complies with STI SP001 Monthly Tank Inspection Checklist. Documentation to be retained in the electronic recordkeeping file.


The associated pumps and auxiliary components (piping, valves, strainers, etc.) monthly inspections shall be documented on the [1" Yamada Pump and Auxiliary Component](#) (inlet) and the [3" Yamada Pump and Auxiliary Component](#) (outlet) forms which complies with STI SP001 Inspection Checklist.

Document No.: TPM-INSP-033	Revision Date: 8/4/2022	Revision No.: 002
Document Title: INSIDE STORAGE TANKS and ASSOCIATED EQUIPMENT		
Certified By: OPERATION MANAGER		Certified Date: 8/4/2022



CONTRACTOR

Grunau
1100 W. Anderson Court, Oak Creek, WI 53154
Phone: (414) 216-6886
Contact: Kyle Germain (kyle.germain@grunau.us)

Document No.: TPM-INSP-033	Revision Date: 8/4/2022	Revision No.: 002	
Document Title: INSIDE STORAGE TANKS and ASSOCIATED EQUIPMENT			
Certified By: OPERATION MANAGER		Certified Date: 8/4/2022	

**Total Preventative Maintenance Inspection Form
Inside Above Ground Storage Tank (T07) - Monthly**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------


Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Inspection Guidance. This inspection is intended for monitoring the external AST condition and its containment structure. This visual inspection does not require a certified inspector. It shall be performed by an owner's inspector who is familiar with the site and can identify changes and developing problems. The checklist items below are the minimum inspection requirements. The asterisk (*) designates an item in a non-conformance status and indicates that action is required to address the problem at the time of the inspection. This inspection is based upon STI SP001 requirements.

T03 - Inside Above Ground Storage Tank

Indication of reduce system flow or other system operational deficiency?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Strainer clean and in good condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
Filter in good condition and within the manufacturers expected service life?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
Visible signs of leakage or damage around tank, valves, piping, concrete pad, containment, transfer area, ring-wall or ground?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Water in primary tank, secondary containment interstice, dike, transfer containment or spill container?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Product in secondary containment interstice, dike transfer containment or spill container?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Tank liquid level gauge readable and functional?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
Ladder and platform structure secure with no sign of server corrosion or damage?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
Visible portions of containment liner or expansion joint seam sealer in good condition with no signs of blistering, tearing, or delamination.	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
Containment egress pathways clear and gates/doors operable?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Debris or fire hazard in containment, transfer area, or spill container?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Drain valves operable and in a closed position?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
All tank openings properly sealed? Caps and covers have functional fittings, hardware and gaskets?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Leak detection for underground piping operable and not in an alarm condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
If equipped with an audible and/or visual over-fill alarm, does it operate when "test button" depressed?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
For the item above, is the battery charged if applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
Identification labels and tags secure, intact and readable?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Are there other conditions that should be addressed for continued safe operation or that may affect the site's SPCC Plan?	<input type="checkbox"/> Yes* <input type="checkbox"/> No

Comments:

Document No.: TPM-INSP-033	Revision Date: 8/4/2022	Revision No.: 002	
Document Title: INSIDE STORAGE TANKS and ASSOCIATED EQUIPMENT			
Certified By: OPERATION MANAGER		Certified Date: 8/4/2022	

**Total Preventative Maintenance Inspection Form
Inside Above Ground Storage Tank (T08) - Monthly**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------


Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Inspection Guidance. This inspection is intended for monitoring the external AST condition and its containment structure. This visual inspection does not require a certified inspector. It shall be performed by an owner's inspector who is familiar with the site and can identify changes and developing problems. The checklist items below are the minimum inspection requirements. The asterisk (*) designates an item in a non-conformance status and indicates that action is required to address the problem at the time of the inspection. This inspection is based upon STI SP001 requirements.

T04 - Inside Above Ground Storage Tank

Indication of reduce system flow or other system operational deficiency?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Strainer clean and in good condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
Filter in good condition and within the manufacturers expected service life?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
Visible signs of leakage or damage around tank, valves, piping, concrete pad, containment, transfer area, ring-wall or ground?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Water in primary tank, secondary containment interstice, dike, transfer containment or spill container?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Product in secondary containment interstice, dike transfer containment or spill container?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Tank liquid level gauge readable and functional?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
Ladder and platform structure secure with no sign of server corrosion or damage?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
Visible portions of containment liner or expansion joint seam sealer in good condition with no signs of blistering, tearing, or delamination.	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
Containment egress pathways clear and gates/doors operable?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Debris or fire hazard in containment, transfer area, or spill container?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Drain valves operable and in a closed position?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
All tank openings properly sealed? Caps and covers have functional fittings, hardware and gaskets?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Leak detection for underground piping operable and not in an alarm condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
If equipped with an audible and/or visual over-fill alarm, does it operate when "test button" depressed?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
For the item above, is the battery charged if applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
Identification labels and tags secure, intact and readable?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Are there other conditions that should be addressed for continued safe operation or that may affect the site's SPCC Plan?	<input type="checkbox"/> Yes* <input type="checkbox"/> No

Comments:

Document No.: TPM-INSP-033	Revision Date: 8/4/2022	Revision No.: 002	
Document Title: INSIDE STORAGE TANKS and ASSOCIATED EQUIPMENT			
Certified By: OPERATION MANAGER		Certified Date: 8/4/2022	

**Total Preventative Maintenance Inspection Form
Inside Above Ground Storage Tank (T09) - Monthly**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------


Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Inspection Guidance. This inspection is intended for monitoring the external AST condition and its containment structure. This visual inspection does not require a certified inspector. It shall be performed by an owner's inspector who is familiar with the site and can identify changes and developing problems. The checklist items below are the minimum inspection requirements. The asterisk (*) designates an item in a non-conformance status and indicates that action is required to address the problem at the time of the inspection. This inspection is based upon STI SP001 requirements.

T05 - Inside Above Ground Storage Tank

Indication of reduce system flow or other system operational deficiency?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Strainer clean and in good condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
Filter in good condition and within the manufacturers expected service life?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
Visible signs of leakage or damage around tank, valves, piping, concrete pad, containment, transfer area, ring-wall or ground?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Water in primary tank, secondary containment interstice, dike, transfer containment or spill container?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Product in secondary containment interstice, dike transfer containment or spill container?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Tank liquid level gauge readable and functional?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
Ladder and platform structure secure with no sign of server corrosion or damage?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
Visible portions of containment liner or expansion joint seam sealer in good condition with no signs of blistering, tearing, or delamination.	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
Containment egress pathways clear and gates/doors operable?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Debris or fire hazard in containment, transfer area, or spill container?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Drain valves operable and in a closed position?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
All tank openings properly sealed? Caps and covers have functional fittings, hardware and gaskets?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Leak detection for underground piping operable and not in an alarm condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
If equipped with an audible and/or visual over-fill alarm, does it operate when "test button" depressed?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
For the item above, is the battery charged if applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
Identification labels and tags secure, intact and readable?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Are there other conditions that should be addressed for continued safe operation or that may affect the site's SPCC Plan?	<input type="checkbox"/> Yes* <input type="checkbox"/> No

Comments:

Document No.: TPM-INSP-033	Revision Date: 8/4/2022	Revision No.: 002	
Document Title: INSIDE STORAGE TANKS and ASSOCIATED EQUIPMENT			
Certified By: OPERATION MANAGER		Certified Date: 8/4/2022	

**Total Preventative Maintenance Inspection Form
Inside Above Ground Storage Tank (T10) - Monthly**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------

Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Inspection Guidance. This inspection is intended for monitoring the external AST condition and its containment structure. This visual inspection does not require a certified inspector. It shall be performed by an owner's inspector who is familiar with the site and can identify changes and developing problems. The checklist items below are the minimum inspection requirements. The asterisk (*) designates an item in a non-conformance status and indicates that action is required to address the problem at the time of the inspection. This inspection is based upon STI SP001 requirements.

T06 - Inside Above Ground Storage Tank

Indication of reduce system flow or other system operational deficiency?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Strainer clean and in good condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
Filter in good condition and within the manufacturers expected service life?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
Visible signs of leakage or damage around tank, valves, piping, concrete pad, containment, transfer area, ring-wall or ground?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Water in primary tank, secondary containment interstice, dike, transfer containment or spill container?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Product in secondary containment interstice, dike transfer containment or spill container?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Tank liquid level gauge readable and functional?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
Ladder and platform structure secure with no sign of server corrosion or damage?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
Visible portions of containment liner or expansion joint seam sealer in good condition with no signs of blistering, tearing, or delamination.	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
Containment egress pathways clear and gates/doors operable?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Debris or fire hazard in containment, transfer area, or spill container?	<input type="checkbox"/> Yes* <input type="checkbox"/> No
Drain valves operable and in a closed position?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
All tank openings properly sealed? Caps and covers have functional fittings, hardware and gaskets?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Leak detection for underground piping operable and not in an alarm condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
If equipped with an audible and/or visual over-fill alarm, does it operate when "test button" depressed?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
For the item above, is the battery charged if applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
Identification labels and tags secure, intact and readable?	<input type="checkbox"/> Yes <input type="checkbox"/> No*
Are there other conditions that should be addressed for continued safe operation or that may affect the site's SPCC Plan?	<input type="checkbox"/> Yes* <input type="checkbox"/> No

Comments:

Document No.: TPM-INSP-033	Revision Date: 8/4/2022	Revision No.: 002
Document Title: INSIDE STORAGE TANKS and ASSOCIATED EQUIPMENT		
Certified By: OPERATION MANAGER		Certified Date: 8/4/2022



**Total Preventative Maintenance Inspection Form
1" Yamada Pump (PUMP #1) and Auxiliary Components (Inlet) Form - Monthly**

Inspection Date:	Inspector Name:	Signature:
-------------------------	------------------------	-------------------

Review Date:	Manager's Name:	Signature:
---------------------	------------------------	-------------------

Inspection Guidance. Periodic inspection for the general condition and operation of the pump units is imperative for safe and efficient operation. Any unit found to be compromised shall be immediately repaired or taken out-of-service.

Manufacturer: 1" Yamada Pump (PUMP #1)	Make and Model: NDP-25BAT-FLG	Serial Number: C16705
--	---	---------------------------------

Preventative Maintenance Item	Observation	Identified Deficiencies
Pump. Visually inspect the unit for any damage or compromise to its integrity.		
Pump. Ensure the unit is clean.		
Pump. Lubricate and grease fittings as needed. Remove the grease relief fittings from the bearing cover. Slowly apply grease with a hand gun until grease begins to escape from the grease relief fitting port. Replace the grease relief fittings. DO NOT over grease pump bearings.		
Pump. Clean the strainer.		
Pump. Operate the pump to ensure it is working properly for 10-15 minutes.		
Pump. Inspect all moving parts, framework, drum holder and contact areas for signs of wear, fatigue or loosening. Tighten, adjust or replace parts as necessary to prevent failure and maintain proper function.		
Basket Filter. Visually inspect the unit for any damage or compromise to its integrity. Remove metal basket filter and remove debris and sludge. Remove basket seal and replace, if necessary.		
Piping. Visually inspect the piping for any damage, corrosion or compromise to its integrity.		
Ball Valves. Visually inspection for condition and proper operation.		

Manufacturer: 1" Yamada Pump (PUMP #2)	Make and Model: NDP-25BAT-FLG	Serial Number: C16705
--	---	---------------------------------

Preventative Maintenance Item	Observation	Identified Deficiencies
Pump. Visually inspect the unit for any damage or compromise to its integrity.		
Pump. Ensure the unit is clean.		
Pump. Lubricate and grease fittings as needed. Remove the grease relief fittings from the bearing cover. Slowly apply grease with a hand gun until grease begins to escape from the grease relief fitting port. Replace the grease relief fittings. DO NOT over grease pump bearings.		
Pump. Clean the strainer.		

Document No.: TPM-INSP-033	Revision Date: 8/4/2022	Revision No.: 002
Document Title: INSIDE STORAGE TANKS and ASSOCIATED EQUIPMENT		
Certified By: OPERATION MANAGER		Certified Date: 8/4/2022



Pump. Operate the pump to ensure it is working properly for 10-15 minutes.		
Pump. Inspect all moving parts, framework, drum holder and contact areas for signs of wear, fatigue or loosening. Tighten, adjust or replace parts as necessary to prevent failure and maintain proper function.		
Basket Filter. Visually inspect the unit for any damage or compromise to its integrity. Remove metal basket filter and remove debris and sludge. Remove basket seal and replace, if necessary.		
Piping. Visually inspect the piping for any damage, corrosion or compromise to its integrity.		
Ball Valves. Visually inspection for condition and proper operation.		

Manufacturer: 1" Yamada Pump (PUMP #3)	Make and Model: NDP-25BAT-FLG	Serial Number: C16702
--	---	---------------------------------

Preventative Maintenance Item	Observation	Identified Deficiencies
Pump. Visually inspect the unit for any damage or compromise to its integrity.		
Pump. Ensure the unit is clean.		
Pump. Lubricate and grease fittings as needed. Remove the grease relief fittings from the bearing cover. Slowly apply grease with a hand gun until grease begins to escape from the grease relief fitting port. Replace the grease relief fittings. DO NOT over grease pump bearings.		
Pump. Clean the strainer.		
Pump. Operate the pump to ensure it is working properly for 10-15 minutes.		
Pump. Inspect all moving parts, framework, drum holder and contact areas for signs of wear, fatigue or loosening. Tighten, adjust or replace parts as necessary to prevent failure and maintain proper function.		
Basket Filter. Visually inspect the unit for any damage or compromise to its integrity. Remove metal basket filter and remove debris and sludge. Remove basket seal and replace, if necessary.		
Piping. Visually inspect the piping for any damage, corrosion or compromise to its integrity.		
Ball Valves. Visually inspection for condition and proper operation.		

Manufacturer: 1" Yamada Pump (PUMP #4)	Make and Model: NDP-25BAT-FLG	Serial Number: C16697
--	---	---------------------------------

Preventative Maintenance Item	Observation	Identified Deficiencies
Pump. Visually inspect the unit for any damage or compromise to its integrity.		
Pump. Ensure the unit is clean.		

Document No.: TPM-INSP-033	Revision Date: 8/4/2022	Revision No.: 002
Document Title: INSIDE STORAGE TANKS and ASSOCIATED EQUIPMENT		
Certified By: OPERATION MANAGER	Certified Date: 8/4/2022	




Pump. Lubricate and grease fittings as needed. Remove the grease relief fittings from the bearing cover. Slowly apply grease with a hand gun until grease begins to escape from the grease relief fitting port. Replace the grease relief fittings. DO NOT over grease pump bearings.		
Pump. Clean the strainer.		
Pump. Operate the pump to ensure it is working properly for 10-15 minutes.		
Pump. Inspect all moving parts, framework, drum holder and contact areas for signs of wear, fatigue or loosening. Tighten, adjust or replace parts as necessary to prevent failure and maintain proper function.		
Basket Filter. Visually inspect the unit for any damage or compromise to its integrity. Remove metal basket filter and remove debris and sludge. Remove basket seal and replace, if necessary.		
Piping. Visually inspect the piping for any damage, corrosion or compromise to its integrity.		
Ball Valves. Visually inspection for condition and proper operation.		

Manufacturer: 1" Yamada Pump (PUMP #5)	Make and Model: NDP-80-BAT	Serial Number: B89122
--	--------------------------------------	---------------------------------


Preventative Maintenance Item	Observation	Identified Deficiencies
Pump. Visually inspect the unit for any damage or compromise to its integrity.		
Pump. Ensure the unit is clean.		
Pump. Lubricate and grease fittings as needed. Remove the grease relief fittings from the bearing cover. Slowly apply grease with a hand gun until grease begins to escape from the grease relief fitting port. Replace the grease relief fittings. DO NOT over grease pump bearings.		
Pump. Clean the strainer.		
Pump. Operate the pump to ensure it is working properly for 10-15 minutes.		
Pump. Inspect all moving parts, framework, drum holder and contact areas for signs of wear, fatigue or loosening. Tighten, adjust or replace parts as necessary to prevent failure and maintain proper function.		
Basket Filter. Visually inspect the unit for any damage or compromise to its integrity. Remove metal basket filter and remove debris and sludge. Remove basket seal and replace, if necessary.		
Piping. Visually inspect the piping for any damage, corrosion or compromise to its integrity.		
Ball Valves. Visually inspection for condition and proper operation.		

Manufacturer: 1" Yamada Pump (PUMP #6)	Make and Model: NDP-80-BAT	Serial Number: B89123
--	--------------------------------------	---------------------------------

Preventative Maintenance Item	Observation	Identified Deficiencies

Document No.: TPM-INSP-033	Revision Date: 8/4/2022	Revision No.: 002	
Document Title: INSIDE STORAGE TANKS and ASSOCIATED EQUIPMENT			
Certified By: OPERATION MANAGER		Certified Date: 8/4/2022	

Pump. Visually inspect the unit for any damage or compromise to its integrity.		
Pump. Ensure the unit is clean.		
Pump. Lubricate and grease fittings as needed. Remove the grease relief fittings from the bearing cover. Slowly apply grease with a hand gun until grease begins to escape from the grease relief fitting port. Replace the grease relief fittings. DO NOT over grease pump bearings.		
Pump. Clean the strainer.		
Pump. Operate the pump to ensure it is working properly for 10-15 minutes.		
Pump. Inspect all moving parts, framework, drum holder and contact areas for signs of wear, fatigue or loosening. Tighten, adjust or replace parts as necessary to prevent failure and maintain proper function.		
Basket Filter. Visually inspect the unit for any damage or compromise to its integrity. Remove metal basket filter and remove debris and sludge. Remove basket seal and replace, if necessary.		
Piping. Visually inspect the piping for any damage, corrosion or compromise to its integrity.		
Ball Valves. Visually inspection for condition and proper operation.		

Document No.: TPM-INSP-034	Revision Date: 3/1/2022	Revision No.: 001	
Document Title: SMOKE DETECTORS			
Certified By: OPERATION MANAGER		Certified Date: 3/1/2022	

SMOKE DETECTORS TOTAL PREVENTATIVE MAINTENANCE PROGRAM

PURPOSE This procedure describes the steps required to maintain the integrity of the smoke detectors present.

REFERENCES

- Silent Knight IDP-Photo-T Smoke Detectors

PREREQUISITE Inspection only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.

PROCEDURE

Semi-Annually Inspection
The smoke detectors shall be visually inspected semi-annually by a qualified outside contractor on the behalf of the organization to confirm that the smoke detector looks operational. This includes checking for physical damage to the detector and ensuring the detector is not dirty or obstructed in a way to limit smoke being able to enter the sensing chamber.

Annual Inspection
The smoke detectors are required to be inspected on an annual basis. The inspection will be conducted by a qualified outside contractor on the behalf of the organization. In addition, sensitivity testing shall be performed 1-year after installation and then checked every other year and increased to every 5-years if the device remains within its sensitivity range.

DEFICIENCIES Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.

DOCUMENTATION The contract for the fire alarm system monitoring shall be documented with a copy of the contract on file at the organization. Documentation to be retained in the electronic recordkeeping files.

The annual inspections shall be documented by the contractor with a copy of the inspection report provided to the organization. Documentation to be retained in the electronic recordkeeping files.

CONTRACTOR Blair Fire Protection
13111 W. Silver Spring Drive, Butler, WI 53007
Phone: (414) 460-4006
Email: Kevin Gall (k.gall@blairfireprotection.com)

Document No.: TPM-INSP-035	Revision Date: 1/10/2022	Revision No.: 000
Document Title: RADIOS		
Certified By: OPERATION MANAGER		Certified Date: 1/10/2022



**RADIOS
TOTAL PREVENTATIVE MAINTENANCE PROGRAM**

- PURPOSE** This procedure describes the steps required to maintain the integrity of the security systems present.
- REFERENCES**
- Vertex Standard VX-450 Series Radios
- PREREQUISITE** Inspections only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.
- PROCEDURE** No specific inspection criteria are required for the radios. However, general operations of these systems are inspected daily as part of the Facility Total Preventative Maintenance Inspection Report.
- DEFICIENCIES** Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.
- DOCUMENTATION** The contract for the security alarm system monitoring shall be documented with a copy of the contract on file at the organization. Documentation to be retained in the electronic recordkeeping file.
- CONTRACTOR** None

Document No.: TPM-INSP-036	Revision Date: 6/23/2022	Revision No.: 001
Document Title: AEROSOL CAN PUNCTURING UNIT		
Certified By: CEO/OPERATION MANAGER		Certified Date: 6/23/2022



**AEROSOL CAN PUNCTURING UNIT
TOTAL PREVENTATIVE MAINTENANCE PROGRAM**

PURPOSE This procedure describes the steps required to maintain the integrity of the aerosol can puncturing unit.

REFERENCES

- AeroVent 3X Aerosol Can Disposal System
- Safe2Vend Dual Filter Assembly

PREREQUISITE Inspections only authorized to be conducted by experienced, trained and qualified personnel acceptable to the organization.

PROCEDURE **Monthly Inspection**
The aerosol can puncturing unit is required to be inspection on a monthly basis by internal designated personnel. See the AeroVent 3X Aerosol Can Disposal System Manual for specific inspection details.

DEFICIENCIES Deficiencies identified during the inspection shall be immediately repaired, if possible. If the item can not be immediately repaired, the item will be included on the Deficiency and Corrective Action Log (ESRR-SOP-030 - Appendix C) with a priority level. If the deficiency reveals an equipment malfunction or deterioration where a hazard is imminent or that could lead to an environmental or human health hazard, operations will be ceased and the item will be tagged "Out of Service" until deficiency is resolved. All other deficiencies shall be made within a reasonable period of time.

DOCUMENTATION The monthly inspections shall be documented on the attached form. Documentation to be retained in the electronic recordkeeping file.

CONTRACTOR Newstripe, Inc.
1700 Jasper Street, Unit F, Aurora, CO 8011
Phone: (800) 624-6706
Website: www.newstripe.com

Document No.: TPM-INSP-036	Revision Date: 6/23/2022	Revision No.: 001
Document Title: AEROSOL CAN PUNCTURING UNIT		
Certified By: CEO/OPERATION MANAGER		Certified Date: 6/23/2022



Total Preventative Maintenance Inspection Form Aerosol Can Puncturing Unit Form - Monthly

Inspection Date:	Inspector Name:	Signature:
------------------	-----------------	------------

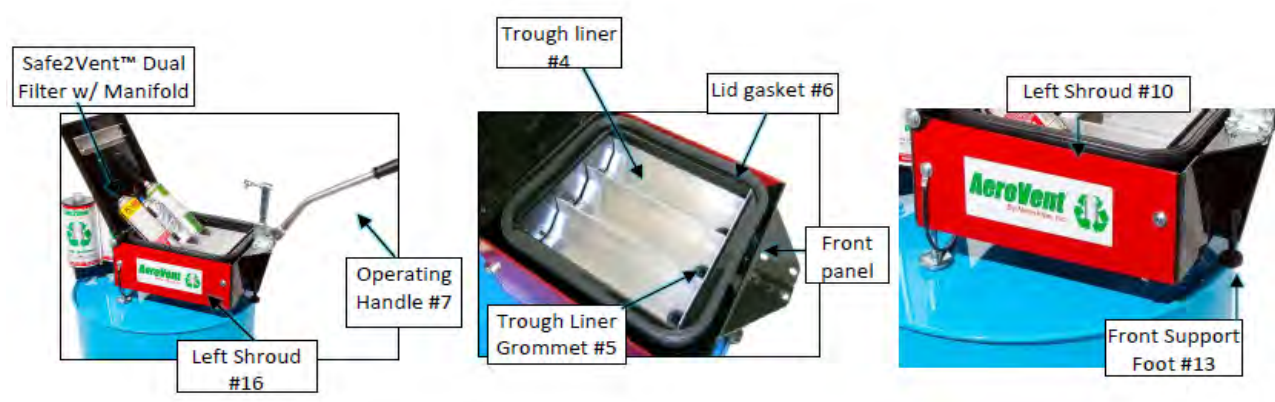
Review Date:	Manager's Name:	Signature:
--------------	-----------------	------------


Periodic inspection for the general condition of structural and mechanical components is imperative for safe and efficient operation. Any unit found to be compromised shall be immediately repaired or taken out-of-service.

Floor Scrubber

Manufacturer: Newstipe	Make and Model: AeroVent 3X	Serial Number: N/A
---------------------------	--------------------------------	-----------------------

Preventative Maintenance Item	Observation	Identified Deficiencies
Visually inspect the unit for any damage or compromise to its integrity.		
Ensure the unit and the area around the unit is clean.		
Check the lid gasket to ensure it is in tack and clean. Replace as needed.		
Check the cobalt point to ensure sharp and capable to puncturing units. Replace as needed.		
Check to ensure the trough grommets are in place and clean. Replace as necessary.		
Check the operation handle to ensure it is not compromised and is clean. Lubricate with light oil (3-in-1 or WD-40) regularly.		
Check that the bellows are in place and clean. Replace as necessary.		
Check to ensure the can guides are in place and clean.		
Check filters and replace every 90-days or 600 cans. <u>Number of units punctured should be recorded on the work order.</u>		



Document No.: TPM-SOP-001	Revision Date: 7/6/2022	Revision No.: 003	
Document Title: TOTAL PREVENTATIVE MAINTENANCE AND INSPECTION PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 7/6/2022	

**APPENDIX C
DEFICIENCY AND CORRECTIVE ACTION LOG**


The Deficiency and Corrective Action Log is required to be completed for items that an inspection reveals are in need of repair, a malfunction or deterioration present, or some other abnormal condition. It is the responsibility of the Operation Manager or Technical Service Manager ensure the item is followed through on to resolution.



Appendix C -
Deficiency and Corrc

The ID Number will be an internal number that will be written on the inspection form and then referenced on the log to correlate the items together. It will be the year followed by the next two-digit number (Ex. 2022-01, 2022-02, 2022-03, etc.)

MOC means Management of Change (MOC) and Pre-Start Up Safety Review and is in regards to the OSHAs Process Safety Management requirements. This is related to our outside above ground storage tanks due to the storage of flammable materials in excess of 10,000 lbs. If changes or repairs are made to the storage tanks, this must be documented through a MOC and PSSR. Instead of creating an entirely different spreadsheet it made sense to add the reference to these documents here.

Document No.: TPM-SOP-001	Revision Date: 7/6/2022	Revision No.: 003	
Document Title: TOTAL PREVENTATIVE MAINTENANCE AND INSPECTION PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 7/6/2022	

APPENDIX D CONTRACTORS

Contractors are used to conduct inspections or address deficiencies on the behalf of the company due to their area and/or level of expertise. As a result, the company requires information to be obtained from all contractors (and their subcontractors) prior to work being conducted (see attached form). In addition, a list of approved contractors is maintained



Appendix D -
Contractor - HS&E A



CONTRACTOR INFORMATION

General Information

Company Name:	
Address:	
City, State, Zip Code:	
NAICS Code:	

Contact:	
Phone Number:	
Email:	

Payable Contact:	
Phone Number:	
Email:	

Service

Services Provided:

Please indicate if any of the below will be conducted at our site:

Confined Space Entry	<input type="checkbox"/> Yes <input type="checkbox"/> No	Lockout Tagout	<input type="checkbox"/> Yes <input type="checkbox"/> No
Electrical Work	<input type="checkbox"/> Yes <input type="checkbox"/> No	Powered Industrial Trucks	<input type="checkbox"/> Yes <input type="checkbox"/> No
Elevated Work	<input type="checkbox"/> Yes <input type="checkbox"/> No	Respirator Being Used	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hot Work	<input type="checkbox"/> Yes <input type="checkbox"/> No	Chemicals Brought On-Site	<input type="checkbox"/> Yes <input type="checkbox"/> No

Additional Comments:

Insurance

Certificate of Insurance (COI)	<input type="checkbox"/> Attached <input type="checkbox"/> Provided Under Separate Cover
*The Certificate of Insurance must list Enviro-Safe Resource Recovery as an additional certificate holder.	

Injury and Illness Data

	2021	2020	2019
Recordable Injury / Illness Cases (TCIR) (Columns G-J on OSHA 300 Log)			
Days Away, Restricted, & Transfer Cases (DART) (Columns H & I on OSHA 300 Log)			
Number of Fatalities (Column G on OSHA Log)			
Total Recordable Incident Rate			
DART Incident Rate			
Provide Experience Modification Rate (EMR)			
Total Number of Employees			



Regulatory Citations

Has the company received any citations or violations from a regulatory enforcement agency (OSHA, EPA, WDNR or DOT) in the last three years?	
If yes, please explain.	

Subcontractor List

Name	Address, City, State, Zip	Phone Number

Certification

I certify that to the best of my knowledge, the information provided is correct, true and accurately represents the current state of said company.

In addition, I have been provided and reviewed the contents of the Enviro-Safe Contractor Health, Safety and Environmental Manual for the purpose of briefing employees and subcontractors under my supervision of expectations and requirements while conducting work at the site.

Name:	
Date:	
Signature:	

Enviro-Safe Representative:

Company Name:	Enviro-Safe Resource Recovery
Address:	W130 N10500 Washington Drive Germantown, WI 53022
Phone:	(262) 790-2500
Site Contact:	Bobby Wiedenfeld
Email Address:	bwiedenfeld@enviro-safe.com

FOR INTERNAL PURPOSES ONLY

Industry TRIR Rate:	<input type="checkbox"/> Acceptable	<input type="checkbox"/> Unacceptable
Experience Mod Rate:	<input type="checkbox"/> Acceptable	<input type="checkbox"/> Unacceptable
Work Required on PSM Required Process:	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Request for Additional Information:	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Information Request:		



CONTRACTOR HEALTH, SAFETY AND ENVIRONMENTAL MANUAL

Germantown, Wisconsin

Leaders in Sustainability Programs
and Waste Management Solutions



Introduction

Enviro-Safe Resource Recovery (Enviro-Safe) is a solid waste processing facility and hazardous waste storage and treatment facility. Therefore, the proper storage and handling of materials and the activities that are conducted around them is very important to the safety of our employees and operations, as well as, the environmental where our facility is located.

Enviro-Safe's safety requirements for contractors are outlined in this document which are derived from WDNR, OSHA, NFPA and other industry standards and best practices. Since the regulation can be general in nature, the contractor must have a good working knowledge of the regulations applicable to their area of expertise and the work to be conducted. Depending on the work to be performed, Enviro-Safe may request additional information from the contractor including, but not limited to, written programs, permits, and training records. Any questions or comments pertaining to the information in this manual or safety in general, should be directed to your Enviro-Safe point of contact.

The actual project supervisor for the contractor will meet with an Enviro-Safe representative, if warranted, prior to any actual work to review all required safety or environmental documents and any specific local requirements that may exist. The following items, as appropriate but not limited to, will be reviewed with the contractor: facility access, food consumption areas, cell phone usage, machinery lockouts, hot work permits, equipment used, medical assistance, security, lavatory facilities, shelters, vehicle parking, prohibition of tobacco products, injury reporting, telephone numbers, operating hazards, fire apparatus, injury investigations, pre-work training, fall prevention, confined space entry, hazardous materials, waste generation, storm water management, and spill prevention.

The contractor is responsible for communicating and enforcing all applicable safety and environmental regulations for their employees and the employees of their subcontractors. The reference to Contractor throughout this document includes subcontractors. Employees not adhering to these guidelines will be removed from the site.

CONTRACTOR'S ACCESS TO THE PREMISES

No contractor is permitted on the site unless previously arranged in advance and scheduled with an Enviro-Safe representative or their designee. Unannounced presence may result in the contractor being denied access due to the activities being conducted at the site. Therefore, scheduling all work in advance is required.

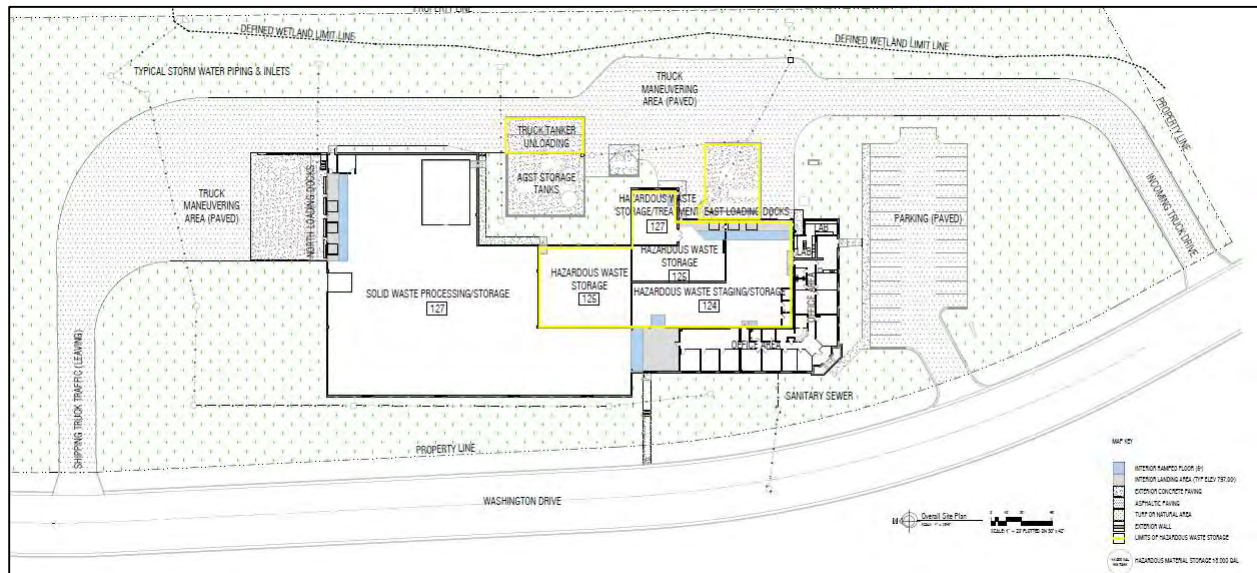
The facility is protected with intrusion detection devices. For this reason, special arrangements must be made with the Enviro-Safe representative for access beyond the normal workday, on weekends, or holidays. Normal business hours are 7:30am to 4:00pm Monday thru Friday.

Upon arrival at the site, all contractors must register with the front receptionist and check-in with the Enviro-Safe representative prior to performing work. The receptionist will provide each contractor with a badge that must be worn and displayed while conducting work at the site. Badges should be returned after work is completed or at the end of each day.

The contractor's employees will be permitted access only to those areas necessary for the performance of contractual work. The contractor's employees shall not be allowed to tour or roam around the facility

or site or to enter areas not necessary to the performance of their work. The Enviro-Safe representative shall designate the best entrance to be utilized by the contractor while conducting their work. This will allow for minimal disruption to the work being conducted at the site while the contractor is on-site.

The Enviro-Safe representative will point out these key locations on premises on the map below.



No personal vehicles are allowed to park on the property unless previously arranged and approved by the Enviro-Safe representative. There is a fair amount of vehicular movement throughout the day on the property and we need to ensure no contractor vehicle compromises this movement. All closed type vans, trucks, car trunks, tool boxes and other contractor vehicles and equipment are subject to inspection by a duly authorized Enviro-Safe representative while on company premises. Roadways and emergency exits will not be blocked.

All equipment and appurtenances supplied by Enviro-Safe or purchases for Enviro-Safe are the property of Enviro-Safe. Excess materials shall not be removed from the facility or site without written permission of the Enviro-Safe representative.

CONTRACTOR EXPECTATIONS

Enviro-Safe takes the conduct of our employees very seriously and expects everyone present at the site to conduct themselves in a professional manner. Therefore, we expect the same of our contractors while on the premise. The contractor is responsible for the conduct of their employees and subcontractors. While at our site, the following must be observed:

It is expected that the contractor is informed of and conforms to all safety, health and environmental regulations of federal, state and local government or other regulatory agencies having jurisdiction. Unacceptable behavior on the pre mises includes fighting, gambling, theft, horseplay or other inappropriate behavior is not allowed.



No eating is permitted on-site except for the lunch room or contractor's vehicles. Due the various types and amounts of chemicals present on-site, eating in undesignated area is prohibited. Drinking is allowed but must be in a container that is capable of being covered with a cap or lid when not in immediate use.

Obscene or abusive language or any form of harassment will not be tolerated. It is expected that mutual respect and interaction be conducted on the behalf of all parties.

Cell phones are not allowed in RM 125 and RM 126 since these are hazardous material and hazardous waste storage and processing areas. In addition, cell phone usage that presents a hazard or becomes disruptive to the activities being performed may also be prohibited by the Enviro-Safe representative.

No pictures are allowed to be taken unless specifically authorized by the Enviro-Safe representative for confidentiality reasons.

No firearms or weapons are allowed on-site.

It is at the discretion of the Enviro-Safe representative to determine if any attire is inappropriate for the facility including, but not limited to sandals, high-heels, tank tops, verbiage on clothing, and other attire that may be offensive or inappropriate for the site.

Smoking or any other tobacco use is prohibited in the facility and on the site at all times - no exception. The use of alcoholic beverages or use or possession of drug paraphernalia or drugs on the controlled substance list are not permitted on Enviro-Safe premises.

All incidents should be reported immediately to the Enviro-Safe representative (accidents, damage to property, security breach, stolen property, etc.).

SAFETY and HEALTH RESPONSIBILITIES

Effective safety and health performance requires following rules and identifying at-risk situations where rules are not defined. Therefore, contractor employees will face at-risk situations (situations which the employee is placed in danger of an injury, illness or other hazard). To assure conformance to the requirement to work safety, both the contractor and their employees have a responsibility to address at-risk situations as they become present. In general, the contractor is responsible for enforcing safety and health rules with all employees. The contractor is responsible for assuring that all work practices are performed in a manner that minimizes at-risk exposure. Contractor employees must identify at-risk exposures and develop safe alternatives or seek guidance before proceeding.

A. Confined Spaces. Prior to work being conducted in confined space, a pre-safety meeting must be conducted with the contractor and Enviro-Safe representative. The contractor must have an established confined space program in place which includes a permit process and training program and complies with OSHA confined space requirements. A copy of the program, training records and permit must be provided to Enviro-Safe prior to confined space work being conducted for recordkeeping purposes.

B. Lockout/Tagout. If work is to be conducted on equipment or systems that have hazardous energy sources, proper isolation of these sources must be conducted and the equipment or system deemed inoperative prior to the start of work. The contractor must have an established lockout tagout program in place which includes a training program and complies with OSHA lockout tagout requirements. The



Enviro-Safe representative must be informed when lockout tagout will be conducted that will impact the facility or other work operations.

C. Compressed Gas Cylinders. Compressed gas cylinders that become present must be securely fastened and must be in an upright position. Oxygen storage shall be separated from fuel storage (20 feet or 5 foot high or 1/2-hour fire rated partition). The type of gas that will be present must be communicated to the Enviro-Safe representative and a Safety Data Sheet (SDS) provided upon request.

D. Electrical Related Work. Electrical work must be conducted to protect contractor and Enviro-Safe employees from exposure to dangers such as electric shock, electrocution, fires and explosions. Areas where electrical work is being conducted should be barricaded to prohibit general access to the area while work is being performed. The contract must have established policies and procedures in place that complies with OSHA and NFPA 70 requirements. The Enviro-Safe representative should be notified when electrical work is occurring.

E. Emergency Management. Safety showers, fire extinguishers, fire doors, sprinkler heads, and similar emergency equipment is available and must be kept free of material, equipment or other blockage so they are readily accessible and available in an emergency situation. In addition, aisle must be kept clear and free of obstructions. If a safety system must be taken out of service or an aisle must be blocked to accomplished the work at hand, this must be coordinated through the Enviro-Safe representative prior to the work being conducted.

If a fire is detected, utilize the closest fire extinguisher to extinguish or reduce the magnitude of the fire. If the fire is not manageable with the fire extinguisher, pull the alarm, report it and evacuate. Evacuation alarm pull stations are located within the building (see posted Evacuation and Safety Maps). In the event the fire alarm or back-up air horns are activated, all personnel must evacuate the building through the nearest exit door and proceed to the site's Enviro-Safe sign on the southside of the property by the employee's parking lot. This is necessary to account for all personnel on-site. If it becomes necessary to turn off a sprinkler system, use a hydrant or impair other fire-fighting equipment for any reason, the Enviro-Safe representative must be informed before this occurs. The Enviro-Safe representative will take the appropriate action to prepare the site for this outage and confirm when the contractor can proceed. The Enviro-Safe representative should be immediately notified when the system is back in service.

If a tornado watch or warning becomes present, the contractor should take the appropriate action based upon the type of working being conducted to keep their employees safe. This should apply to severe weather conditions, as well.

If any other emergency situation becomes present at the site, the Enviro-Safe representative will be in communication with the contractor to keep them abreast of the situation.

F. Fall Protection. Adequate fall protection shall be provided by the contractor when the hazard of a fall exists as defined in the OSHA standards in the form of personal fall protection or a guard railing system. Contractors utilizing personal fall protection must be properly trained and the equipment must be appropriate to the hazard present. Contract employees operating aerial lifts shall be properly secured.

G. Fire Prevention. Due to the type and amount of chemicals stored at the site, fire prevention is paramount. Therefore, rubbish, debris and other flammable materials are not allowed to build up on-



site. In addition, there are a number of site policies and procedures that need to be followed. Specific details will be provided to all contractors prior to start of the project based on work to be completed.

H. Flammable and Combustible Materials. Flammable materials are readily stored and handled at the inside and outside the site and therefore, it is imperative that activities conducted within the facility and on the premises is authorized and the proper tools are used. There are locations where non-sparking tools are required, no cell phones are allowed, and other specific safety requirements must be adhered too. The Enviro-Safe representative will advise the contractor of these additional requirements, as needed. No explosives are permitted on the site.

I. Hazard Communication. Prior to bring chemicals on-site, the quantity must be provided and a Safety Data Sheet (SDS) must be submitted and approved. In addition, the Enviro-Safe representative is responsible for advising each contractor of hazardous materials that contractor employees may be exposed to at the site and the protective measures available. Safety Data Sheets (SDSs) or other technical information on the chemicals present at the site can be communicated by the Enviro-Safe representative upon request. Containers of chemicals brought on-site are required to be labeled and in good condition to avoid spillage. No chemical containers are permitted to be stored outside. The Enviro-Safe representative should be consulted for proper storage.

J. Hoist and Cranes. The use of hoists and cranes by contractors should be performed in a safe manner. Work shall not be performed under or immediately adjacent to loads being hoisted and all loose items of equipment or material shall be secured from falling. No riders are permitted on moving equipment, rigging, or loads.

K. Hot Work. Hot work (grinding, cutting, brazing, welding, etc.) may not be conducted on-site without a written hot work permit issued and signed by the Enviro-Safe representative. These permits shall only be issues for a specific period of time and a new permit must be issued after this period of time expires. The permit must be conspicuously displayed at the job location. While these activities are occurring, the contactor must provide a fire watch and a Class ABC fire extinguisher at the location. The fire watch must maintain in the area for 30-minutes after the work has commenced. The expired permit (or copy of the permit) must be provided to the Enviro-Safe representative upon completion of the work or expiration of the permit.

L. Housekeeping. Job site housekeeping is the contractor's responsibility and the job site must be as clean and orderly as possible while work is being performed. At the completion of the work, the job site must be left in an acceptable condition. The Enviro-Safe representative will make a final inspection to determine the adequacy of the final cleanup. For contract work extending beyond one week, it is the responsibility of the contractor to conduct a weekly job site safety and housekeeping inspection to ensure a clean work area is maintained.

M. Injury Reporting and Investigation. The treatment of injuries and illnesses sustained by contractor employees is the responsibility of the contractor. The contractor should have actionable emergency treatment procedures and emergency medical telephone numbers available. In the event of a life-threatening emergency, **9-1-1** should be summoned. For less serve incidents, the nearest hospital is:

Froedtert Menomonee Falls Community Hospital

(262) 251-1000



All OSHA recordable injuries or illnesses sustained on Enviro-Safe premises must be reported to the Enviro-Safe representative verbally as soon as reasonably possible with a written follow-up incident report provided within 24-hours of the occurrence. Depending on the incident that occurred, additional information may be requested by Enviro-Safe.

N. Ladders. Ladders brought on-site for use by contractor must be in good condition and ANSI approved. Proper ladder usage must be observed during use which includes three points of contact while on the ladder. Portable metal ladders are not permitted for electrical work. Substitute for ladders (chairs, packages, drums, bags, etc.) is prohibited.

O. Personal Protective Equipment. The contractor will be informed of the requirements for the use of personal protective equipment in all areas of the facility. The contractor is responsible for providing and informing their employees of these requirements while on-site. In general, safety glasses with side shields and safety shoes, are a minimum requirement. Other protective equipment will be identified as required based on specific job requirements. It is the responsibility of the contractor to enforce the use of required personal protective equipment by its employees.

P. Powered Industrial Trucks. Enviro-Safe powered industrial trucks (forklifts) are not allowed to be utilized by contractors unless approval for their use is provided by the Enviro-Safe representative. If authorization for forklifts is provided, proof of training must be provided to the Enviro-Safe representative or training must be provided by Enviro-Safe prior to use. If the powered industrial truck is brought on-site by the contractor, it is their responsibility to ensure their employees are properly trained.

Q. Process Safety Management. The site does have areas that fall under the OSHA process safety management and therefore, management of change and pre-safety startup may be required which could include participation by contractor. Contractors shall be informed, when participating is required.

R. Respirator Protection. If a respirator is required to be worn to conduct their work, the contractor must have an established respirator protection program in place which includes medical clearance, fit testing and training unless it is only the use of a dust mask. There are times when Enviro-Safe employees conduct activities within the facility which requires the use of respirator. It is at these times that access may be prohibited or limited to contractors to certain areas.

S. Tools and Equipment. Contractors will furnish all tools and equipment necessary for the job. All equipment must be well maintained and meet regulations or industry standards. Use of tools not properly rated is strictly prohibited. Safety guards or other devices shall not be removed from tools or equipment except for repairs and must be replaced upon completion of repair. Borrowing Enviro-Safe tools and equipment is permitted only upon approval by the Enviro-Safe representative.

Any additional questions regarding health and safety requirements for the site should be directed to the Enviro-Safe representative.



ENVIRONMENTAL RESPONSIBILITY

Enviro-Safe has implemented an Environmental Management System and this document will convey basic environmental practices applicable to this facility. Contractors are required to comply with all federal, state and local environmental regulations, as well as company environmental policies and rules to eliminate or reduce as-risk situations that could result in creating an environmental hazard.

Chemicals brought on-site for use by contractors must be communicated to the Enviro-Safe representative. All Enviro-Safe generated wastes, both hazardous and non-hazardous, are to be managed on-site and not removed by contractors unless prior approval and arrangements have been agreed to between Enviro-Safe and the contractor.

A. Sanitary Sewage System. The site is connected to the Germantown Sanitary Sewage System and therefore, no dumping of chemicals into facility sewers and drains is permitted for any reason.


B. Spills. Contractors are required to comply with the facility's program for spill control to reduce potential risks. If a spill should occur of chemicals brought on-site by the contractor, it is the responsibility of the contractor to conduct clean-up operations with over sight from the Enviro-Safe representative. Any waste generated from these clean-up operations will be handled by Enviro-Safe and billed back to the contractor. If a spill should occur of chemicals on the premises as the result of the contractor's activities being conducted, Enviro-Safe will assist in the clean-up operations and any cost incurred by Enviro-Safe will be the responsibility of the contractor.

C. Storm Water Run-Off. The only run-off allowable from the site is storm water run-off. Therefore, no outdoor washing is permitted. In addition, no other discharges are authorized from the site.

D. Trash and Recyclable Material Generation. Dumpsters, and other normal plant rubbish receptacles, may be used only with the permission of the Enviro-Safe representative. Should the contractor fail to remove rubbish, etc., such removal will be done by Enviro-Safe at the contractor's expense. Recyclables generated should be accumulated and are the responsibility of the contractor to remove from the site for recycling. If the Enviro-Safe recyclable container is to be used, prior approval by the Enviro-Safe representative must be provided.

Any additional questions regarding environmental requirements for the site should be directed to the Enviro-Safe representative.

APPENDIX J: EMERGENCY MANAGEMENT PLAN (CONTIGENCY PLAN)

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	

1.0 PURPOSE

1.1 The purpose of the Emergency Management Plan has been designed to minimize hazards to human health or the environment from fires, explosions or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air soil or surface water.

2.0 SCOPE

2.1 The plan has established procedures and actions to assist in preparing for unplanned sudden or non-sudden emergency events that may realistically occur at the facility and to assist in the decision-making process during these events to eliminate or reduce hazards to human health or environmental as the result of the incident. While no plan can take into consideration all possible emergency situations, the procedures included in this plan shall assist in making proper decisions.

3.0 LEGAL COMPLIANCE

3.1 This plan has been prepared in accordance with the following federal, state and local regulations:

- Emergency Action Plan [OSHA 29 CFR 1910.38]
- Fire Prevention Plan [OSHA 29 CFR 1910.39]
- Employee Alarm System [OSHA 29 CFR 1910.165]
- Portable Fire Extinguisher [OSHA 29 CFR 1910.157]
- Hazardous Waste Operations and Emergency Response [29 CFR 1910.120]
- Hazardous Substance Spill Notification [Wisconsin DNR Chapter NR 706]
- Contingency Plan [Wisconsin DNR Chapter NR 670.014(2)(g)]
- Preparedness and Prevention [Wisconsin DNR Chapter NR 670.014(f)]
- Hazardous Waste Regulations [Wisconsin DNR Chapter NR 660-679]
- Hazardous Material Incident Reporting [DOT 49 CFR 171.180]
- National Fire Protection Association [NFPA]
- Local Fire Department Ordinances

3.2 The Emergency Management Plan does not cover the Spill Prevention, Control and Countermeasure Plan (40 CFR Part 112) associated with the facility. This under a separate document.


4.0 AUTHORITY STATEMENT

4.1 The organization recognizes that during emergency situations special procedures must be followed to control and mitigate an emergency. Therefore management, by the approval of this plan, grants authority to the Emergency Coordinator (including alternatives) and other personnel named within this program to implement and carry out the Plan to the termination of the emergency situation.

5.0 ORGANIZATION AND PERSONNEL RESPONSIBILITIES

5.1 CEO. The CEO is the primary emergency coordinator under this Plan. When the CEO is unavailable to be on-site or on-call in a reasonable amount of time, either the President, Technical Services Manager or Operations Manager may be designed as an alternative primary emergency coordinator during this period of time. The CEO is responsible for the overall development, implementation and training requirements for the organization under this Plan. As the primary Emergency Coordinator, the CEO shall be thoroughly familiar with the plan, site operations, waste types handled, facility records and layout.

5.2 President. The President shall act as an alternative primary emergency coordinator in the event that the CEO is unavailable to be on-site or on-call in a reasonable amount of time.

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	

As an alternate Emergency Coordinator, the President shall be thoroughly familiar with the plan, site operations, waste types handled, facility records and layout.

- 5.3 Technical Services Manager. The Regulatory and Approvals Manager shall be responsible to provide chemical support to site and emergency response personnel regarding chemicals on-site upon request. The Technical Services Manager shall act as an alternative primary emergency coordinator in the event that the CEO and President is unavailable to be on-site or on-call in a reasonable amount of time. As an alternate Emergency Coordinator, the Technical Service Manager shall be thoroughly familiar with the plan, site operations, waste types handled, facility records and layout.
- 5.4 Operations Manager. The Operations Manager shall act as an alternative primary emergency coordinator in the event that the CEO, President or Technical Services Manager is unavailable to be on-site or on-call in a reasonable amount of time. As an alternate Emergency Coordinator, the Operations Manager shall be thoroughly familiar with the plan, site operations, waste types handled, facility records and layout.
- 5.5 First Aid Team. The First Aid Team shall have the responsibility to provide emergency first aid and medical care to a person during an emergency situation, as warranted or until trained personnel arrive.
- 5.6 Employees. Employees are responsible for following the specific emergency procedure and taking the appropriate action, as necessary, based upon the emergency situation.

6.0 DESIGNATED RESPONSIBILITIES


- 6.1 Designated responsibilities have been given to specific employees during emergency situations. The Emergency Management Contacts (Appendix A - Emergency Management Contacts) shall be posted throughout the facility for reference. The primary emergency coordinator has been designated and alternative emergency coordinators established when the primary emergency coordinator is unavailable to be on-site or on-call in a reasonable amount of time.

7.0 DEFINITIONS OF EMERGENCIES

- 7.1 Minor. An incident which will not seriously affect or interfere with the overall operations of the facility.
- 7.2 Major. An incident which affects an entire warehouse (ex. RM 124, RM 125, RM 126 or RM 127) or the entire buildings and which will disrupt operations.
- 7.3 Disaster. An event or occurrence that has taken place and has seriously impaired or halted operations.

8.0 TYPES OF EMERGENCIES AND PREFERRED MEANS OF REPORTING

- 8.1 The types of emergencies that are reasonably anticipated to occur includes fires/explosions, tornadoes, medical emergencies, spills/releases, severe weather conditions, utility outage, and workplace violence.
- 8.2 Specific emergency control procedures have been established for each type of emergency under Section 10.3 to 10.7, which provides more detailed information for specific emergency response. However, it must be stated that this list is not meant to be all-inclusive and that these procedures are general guidelines for actions that should be taken by the employees and to assist in guiding emergency management efforts during an emergency situation. Modifications of these procedures can occur

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	

during an emergency situation if it is determined that a different procedure will result in a better response to the situation.

9.0 EMERGENCY ALERTING PROCEDURE

- 9.1 In order to provide for the safety of employees and visitors, it is essential that early warning of emergency situations be made so that evacuation procedures can be implemented and the appropriate response personnel notified of the situation.
- 9.2 Notification for Employee or Small Area-Specific Incidents. Incidents that are employee or area specific and do not require the notification of the entire facility. The preferred means of notification is telephone from an area not involved in the emergency situation.
- 9.3 Notification for Serious or Facility-Wide Incidents. Facility wide emergency situations include incidents which require all or the majority of the facility to be notified. The preferred means of notification is the activation of the emergency alarm system from an area not involved in the emergency situation.
- 9.4 Notification of Transportation Incidents. The preferred means of notification is telephone from where the incident occurred immediately or as soon as reasonable after occurrence.


10.0 RESPONSE MANAGEMENT SYSTEM

- 10.1 This plan is intended to provide procedures to follow for effective and safe actions during emergency situations. While no plan can take into consideration all possible emergency situations, the guidelines included in this plan should assist in making proper decisions during those emergencies situation that could reasonably occur at the facility.
- 10.2 All emergencies require prompt and deliberate action. In the event of an emergency, it will be necessary to follow an established set of procedures. Such established procedures will be followed as closely as possible. However, in specific emergency situations, deviation from the established procedures may occur to provide a more effective plan for bringing the situation under control.
- 10.3 Fires and/or Explosions
Upon the cause or discovery of a fire, immediate action shall be taken. If a fire is small and well defined (minor), the employee may attempt to extinguish the fire using a fire extinguisher, at their discretion.

If a fire is large and/or uncontrollable (major or disastrous), the emergency alarm system shall be activated. Upon notification of evacuation by the alarm, all employees are required to shut-down their equipment (if reasonably feasible), evacuate the building, and proceed to the pre-determined designated meeting location (Enviro-Safe sign).

The critical operations shall commence upon the notification of an emergency situation:

Initial Response. The emergency coordinator shall proceed to the fire panel which shall provide some general indication to the area involved in the emergency situation and the type of fire system response, such as smoke detector or sprinkler system activation. Depending on the information provided from the fire panel, it may be decided to re-enter the building to assess the situation. If re-entry is conducted, it must be conducted in pairs and a walkie-talkie must be obtained to maintain continuous communications with the Operations Manager outside the building. All reasonable measures necessary shall be taken to ensure the fire/explosion do not spread by stop operations,

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	

collecting and containing discharges and removing or isolating containers. If the facility stops operations in response to a fire/explosion, the Emergency Coordinator shall monitor for leaks, pressure buildup, gas generation, or ruptures of containers.

Information Support. Once additional information regarding the situation has been obtained, the Operation Manager shall put on the information officer vest, obtain a walkie-talkie and evacuate the building. Once evacuated from the building, the Operations Manager is responsible for maintaining continuous communication with the emergency coordinator, obtain information regarding any missing employees, and wait for the emergency response personnel to arrive. Upon their arrival, all information known about the emergency situation should be provided.

Chemical Support. The Technical Services Manager shall proceed to evacuate the building and be prepared to provide support to the emergency response personnel arriving on the site regarding chemicals on-site upon request.

Accountability. The area managers shall be responsible for accounting for the employees, visitors, or contractors under their responsibility upon evacuation. The method used to achieve this is at the discretion of the area manager. It shall also be the area manager's responsibility to designate a secondary individual to assume these responsibilities in their absence.

Germantown Fire Department. The Germantown Fire Department shall act as the On-Scene Incident Commander upon their arrival. Once information is obtained regarding the situation, the Germantown Fire Department shall determine if additional County Hazardous Materials Response Teams are necessary and what levels and capabilities are needed. The Germantown Fire Department shall also coordinate any Local Emergency Planning activities that need to be considered, such as neighbor evacuations.


Once there is no longer a hazard present and the facility is deemed acceptable for occupancy by the emergency coordinator and/or the local fire department, re-entry into the facility shall be permitted. An incident investigation shall be conducted in accordance with the Incident Reporting and Investigation protocol established. The complexity of the incident report and investigation shall be dependant on the event.

10.4 Medical Situations and Emergencies

Upon discovery of an employee experiencing a medical situation, a member of the First Aid Team should be summoned as soon as reasonably feasible to the scene. If the employee is involved in a life-threatening incident, the discovering employee should call 9-9-1-1 immediately.

The First Aid Team member to initially respond to the medical emergency shall be responsible for conducting an initial assessment of the situation. If it is determined that additional medical services are not deemed necessary, the injured employee shall be directed to the on-site first aid cabinet and be treated by the employee themselves.

If additional medical treatment is required, but is not an immediate emergency situation, the injured employees shall be directed and escorted to the designated medical treatment facility by a designated employee.

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO	Certified Date: 7/29/2022		

In the event of an urgent medical emergency, immediate urgent medical services shall be summoned by calling 9-9-1-1 and requesting paramedics. A designated employee should be present at the main entrance to escort and/or direct the paramedic to the injured employee upon their arrival.

Employees not immediately involved in the situation should remain isolated from the area and should not take any further action unless requested by the discovering employee or a member of the First Aid Team.

The priority shall be to ensure that proper care is provided to the employee involved in the medial situation. Once the employee has been attended too, if blood or other bodily fluids become present, they should be cleaned up as required under the Bloodborne Pathogen Exposure Control Plan. An incident investigation shall be conducted in accordance with the Incident Reporting and Investigation protocol established.

10.5 Spills and/or Releases

Upon the cause or discovery of a spill, the employee shall immediately stop the spill at its source, notify the Emergency Coordinator and describe the nature of the spill (i.e. type of material, quantity, etc.), location, and any other pertinent information relevant to the incident. From this information the Emergency Coordinator shall assess the magnitude and potential seriousness of the spill or release.

Incidental Spills. Incidental spills are spill events that does not cause or pose a substantial hazard or an imminent health or safety hazard to employees.

Emergency Spills. Emergency spills are spill events that cause unsafe exposure to a toxic chemical, requires employees to evacuate the area, poses immediate danger to life and health conditions, presents a fire or explosion hazard or requires other immediate attention because of danger.


If the leak or spill incident is determined to be an incidental spill event (minor) by the Emergency Coordinator and within the organization’s response capabilities, the necessary site personnel will be deployed to conduct clean-up activities.

If the leak or spill incident is determined to be an emergency spill even by the Emergency Coordinator, outside emergency personnel shall be summoned by dialing 9-9-1-1 and requesting “Hazmat Response.”

The additional on-site support shall commence upon the notification of a spill or release.

Initial Response. The emergency coordinator will cease all operations within the affected area including vehicular traffic, forklift use, or any other operations being conducted in the area involved in the emergency spill area. It will be determined if evacuation is necessary and if it will be isolated evacuation or total facility evacuation. All reasonable measures necessary shall be taken to ensure the fire/explosion do not spread by stop operations, collecting and containing discharges and removing or isolating containers. If the facility stops operations in response to a leak or spill event, the Emergency Coordinator shall monitor for toxic vapors, pressure buildup, gas generation, or ruptures of containers.

Information Support. Once additional information regarding the situation has been obtained, the Operation Manager shall put on the information officer vest, obtain a walkie-talkie and evacuate the building. Once evacuated from the

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO	Certified Date: 7/29/2022		

building, the Operations Manager is responsible for maintaining continuous communication with the emergency coordinator, obtain information regarding any missing employees, and wait for the emergency response personnel to arrive. Upon their arrival, all information known about the emergency situation should be provided.

Chemical Support. The Technical Services Manager shall be prepared to provide support to the emergency response personnel regarding chemicals on-site upon request.

Accountability. The area managers shall be responsible for accounting for the employees, visitors, or contractors under their responsibility upon evacuation. The method used to achieve this is at the discretion of the area manager. It shall also be the area manager's responsibility to designate a secondary individual to assume these responsibilities in their absence.

Germantown Fire Department. The Germantown Fire Department shall act as the On-Scene Incident Commander upon their arrival. Once information is obtained regarding the situation, the Germantown Fire Department shall determine if additional County Hazardous Materials Response Teams are necessary and what levels and capabilities are needed. The Germantown Fire Department will also coordinate any Local Emergency Planning activities that need to be considered, such as neighbor evacuations.


Once there is no longer a hazard present and the facility is deemed acceptable for occupancy by the Emergency Coordinator and/or the local fire department, re-entry into the facility shall be permitted. An incident investigation shall be conducted in accordance with the Incident Reporting and Investigation protocol established. The complexity of the incident report and investigation shall be dependent on the event, the material, and quantity spilled/released. The CEO shall evaluate and determine the reportability of the spill and/or release to the appropriate governmental agencies, if and as necessary.

Spill incidents that occur while transporting hazardous materials or hazardous waste must be immediately report to the Operations Manager and handled in accordance with the DOT Pipeline and Hazardous Materials Safety Administration (PHMSA) within specific periods of time depending on the hazardous material incident. (Appendix G - DOT Guide for Preparing Hazardous Material Incident Reports)

10.6 Natural Events

Based upon the geographic location of the facility, the potential for emergencies caused by natural events includes tornadoes and other severe weather events.

Tornado Watch and Warning. The Emergency Coordinator shall be responsible for monitoring the current weather conditions. In the event a tornado watch becomes present, the situation and local weather conditions will be monitored. Upon a tornado watch being elevated to a tornado warning, all employees will seek shelter in the designated shelter areas (office bathrooms or warehouse lock room) within the facility immediately. Once in the shelter, the weather condition will continue to be monitored and decision made appropriate to the situation. Employees shall remain in the shelter area until further instructed by the emergency coordinator or their manager. If the tornado watch is cancelled and the weather conditions are no longer a threat, the emergency coordinator will advise all personnel and normal operations shall resume.

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	

Severe Weather. The emergency coordinator shall be responsible for monitoring the current weather conditions. In the event that a severe weather advisor is broadcasted for the area, the situation and local weather conditions will be monitored. Decisions will be made appropriate to the condition and situation for the safety of all employees. If the facility is to be closed due to the weather condition, employees shall be notified by the emergency coordinator or their manager.

10.7 Workplace Violence

Workplace violence includes, but is not limited to, intimidation, threats, physical attack, domestic violence or property damage and includes acts of violence committed by employees, clients, customers, relatives, acquaintances or strangers on the premises. All employees are encouraged to be alert to the possibility of violence on the part of the employees, former employees, contractors, or other visitors.

If workplace violence is experienced or becomes present that presents an imminent danger or results in anyone being physically harmed, the local authorities should be immediately contacted. If workplace violence is experienced or becomes present that does not involve imminent danger, the Emergency Coordinator should be immediately advised of the situation. The Emergency Coordinator will handle the situation with caution and concern for safety of themselves and those around the situation. Immediate action shall be taken to address the matter appropriately. Remedial actions will depend on the severity and the nature of the incident.

11.0 INCIDENT FOLLOW-UP

11.1 Once the immediate emergency situation has been ceased, the Technical Services Manager shall provide for treating, storing or disposing of recovered waste, contaminated soil or surface water or any other material that results from a release, fire or explosion at the facility. In addition, the Technical Services Manager shall ensure no waste that may be incompatible with the released material is treated, stored or disposed of until cleanup procedures are completed.


11.2 The emergency equipment present in the affected area of the incident shall be cleaned and deemed fit for its intended use before operations may resumed.

11.3 A incident requiring the implementation of actions outlined in this plan shall be documented on the Incident Report and shall include the time, date and details. Within 15-days after the incident, a written report regarding the incident shall be submitted to the WDNR. The report shall include (1) owner name, address, phone number, (2) facility name, address, phone number, (3) date, time and type of incident, (4) name and quantity of material involved, (5) the extent of injuries if any, (6) an assessment of actual or potential hazards to human health or the environment, and (7) estimated quantity and disposition of recovered material that resulted from the incident.

12.0 EMERGENCY ESCAPE ROUTES AND MAPS

12.1 Emergency escape routes are depicted on the evacuation and safety maps which are posted throughout the facility for immediate reference in the instance that an emergency would occur that requires evacuation. The evacuation and safety maps include the current location and exit routes. (Appendix B - Facility Site and Evacuation Maps)

12.2 The evacuation and safety maps shall be reviewed for accuracy routinely. When changes are made to the working space necessitating changing the maps, the responsible parties will be notified to amend the maps.

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	

13.0 EMPLOYEE EVACUATION AND ACCOUNTABILITY

- 13.1 The emergency coordinator shall be responsible for determining which emergency situations require facility evacuation and notification will be provided to employees verbally, by the telephone system or activation of the manual emergency alarm system. Once it is determined that evacuation is required, all personnel, visitors, contractors or vehicles shall only enter under controlled access.
- 13.2 Aisle space shall be maintained to allow the unobstructed movement of personnel, fire protection equipment and spill control equipment to all areas within the facility.
- 13.3 Upon evacuation, managers are responsible for accounting for all employees under their immediate supervision. Departments with temporary employees, contractors, visitors and/or guests are responsible for accounting for these individuals. Individuals missing should be immediately reported to the Emergency Coordinator.
- 13.4 Entry back into an evacuated area or facility will be coordinated through the Emergency Coordinator and only after the area has been deemed safe for re-entry.

14.0 EMERGENCY CRITICAL OPERATIONS AND SHUTDOWN


- 14.1 The purpose of critical operations is to perform additional duties in an emergency situation to ensure proper procedures are carried out in an emergency situation and information is provided in a timely manner upon the arrival of emergency personnel. Specific duties and responsibilities outside the scope of this plan are communicated to individuals through standard operating procedures and training.
- 14.2 Emergency shut-down operations are documented within the standard operating procedures. The standard operating procedures are maintained and readily accessible to operators. Operators are training in emergency shut-down procedures as part of operator training.
- 14.3 The main utility shut-offs and procedures are indicated below and identified within the facility.

Electricity. The electricity for the facility is supplied by WE Energies and can be shut-off at the main electrical panels located in RM 124 on the south wall and RM 127 on the west wall.

Natural Gas. The natural gas for the facility is supplied by WE Energies and the main supply enters the property at the meter located on the westside of the building. A shut-off valve is located at the meter.

Water Supply and Sanitary Sewer. The water to the facility is supplied by the Village of Germantown. The sanitary sewer system is managed by the Village of Germantown Wastewater Utility which administers compliance with Wisconsin Department of Natural Resources (WDNR) and the Milwaukee Metropolitan Sewerage District (MMSD) requirements. To prevent a release to the sanitary sewer system, there are no floor drains located within the warehouses. In addition, anything beyond domestic waste is prohibited from being poured down the drains located in the kitchen, rest rooms and laboratory sink.

Storm Water Sewer. The storm water from the site discharges into the detention pond via two locations affixed with matting and rip-rap armour installed at the discharge points. In the case of a leak or spill, the storm water sewer drain in the

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	

area will be immediately sealed off using a drain blocker drain cover that forms a complete seal around the drain.

15.0 RESCUE AND MEDICAL DUTIES (FIRST AID RESPONSE TEAM)

- 15.1 The purpose of the First Aid Team is to perform medical duties until paramedics or other emergency medical personnel become present. The medical duties shall be conducted in the scope of the team's training, which shall include general first aid and CPR procedures.
- 15.2 Internal and external emergency management contacts for the facility have been designated and posted throughout the facility, which includes the list of employees on the First Aid Team. (Appendix A - Emergency Management Contacts).

16.0 ALARM SYSTEM AND EMERGENCY EQUIPMENT


- 16.1 The facility has established an employee alarm system that provides warnings for emergency evacuation. The alarm is distinctive and recognizable as a signal to perform action under the plan.
- 16.2 In addition, the facility has installed and maintains various types of emergency equipment on-site (telephone system and two-way radios) to aid in the warning and management of emergency situations. The Operations Manager shall be responsible for the maintenance of systems and equipment installed at the facility. (Appendix C - Alarm and Emergency Equipment).
- 16.3 All employees have access to the alarm system, phone system and two-way radios in all areas where material processing (including hazardous waste) occurs, including pouring, mixing or handling. It is the policy of the facility that two operators must be on the premises while the facility is operating and material processing is being conducted.

17.0 FIRE HAZARDS AND PREVENTION

- 17.1 A fire hazard assessment has been conducted for the facility to identify those areas, chemicals, or equipment that could realistically pose a fire hazard. As a result, fire prevention measures have been established to mitigate and reduce such events from occurring. (Appendix G - Fire Prevention Assessment)

18.0 EXTERNAL EMERGENCY RESPONSE and NOTIFICATION

- 18.1 The organization has attempted to establish prearrangement agreement to familiarize police, fire departments and emergency response teams with the layout of the facility, properties of hazardous waste handled at the facility and associated hazards, places where facility personnel would normally be working, entrances to the facility and evacuation routes in the form of written notification (Appendix E – External Emergency Response Notifications). The written notifications describe arrangements assumed by the organization and offers an invitation for a site visit. If no response is received, it will be assumed that the local emergency services are in agreement and no further action is required.
- 18.2 The organization has notified local hospitals to ensure they are familiar with the organization, properties of waste handled and the potential resulting injuries and illnesses.
- 18.3 These arrangements with local emergency services will be periodically verified or updated to ensure the most current and accurate information is provided. In addition, when there is a change to the information previously provided.

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	

19.0 EXTERNAL EMERGENCY NOTIFICATION

19.1 The local fire department shall maintain the role of the Incident Commander during emergency situations at the site. As a result, it will be the fire department that would determine the need for area evacuation of neighboring properties through the local emergency planning committee.

20.0 TRAINING

20.1 Employees shall be trained appropriate to the level of their expected involvement in emergency response activities. The objective of the training program shall be to ensure that personnel are knowledgeable of their roles and responsibilities concerning the plan and its procedures to affect a safe and expedient response to an emergency situation.

20.2 Training shall be provided at the time of initial employment and annually thereafter as depicted in the Training and Competence Plan for all employees, as applicable (See Appendix I through M for specific training program details). Additional training may be conducted wherever there is a change to the employee's responsibilities, changes to materials or equipment within the facility affecting the plan, the plan is updated, or exercises/drills indicate that employees do not understand their responsibilities.

20.3 The organization shall periodically evaluate their training programs. Training shall be documented to demonstrate competence and knowledge, as well as, what is acceptable performance.

20.4 Contractor that shall be on-site shall be trained to the appropriate response level require should an emergency situation become present while they are on-site.

21.0 EXERCISES AND DRILLS

21.1 To ensure that the plan will meet current conditions and that all involved individuals shall respond properly, the plan will be routinely tested. All drills shall be documented, indicating the results of the exercise and any problems that were encountered, along with recommendations for plan modifications and improvements. Corrective and preventative actions shall be documented. (Appendix D - Exercise and Drill Documentation)


22.0 SPILL RELEASE AND REPORTING

22.1 A release occurs when any liquid, gas or solid escapes from its normal containment or process into the atmosphere or environment. Spills that exceed their established reportable quantity threshold for a specific chemical within a 24-hour period must be reported immediately to specific governmental agencies. (Appendix E - Spill Reporting Notification)

22.2 Decision about reportability of a release or spill that occurred and the responsibility of notification and/or submittal of the reports to governmental agencies shall be conducted by the CEO.

23.0 REVIEWS AND AMENDMENTS

23.1 The plan shall be reviewed and immediately amended, if necessary, whenever (1) the facility license is revised, (2) the plan fails in an emergency or the after-action review indicates that certain elements of the plan should be modified or improved, (3) the incident investigation results in action to changes in the plan, (4) the facility changes its design, construction, operation, maintenance or other circumstances in a way that materially increases the potential for fires, explosions or releases of hazardous waste or

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO	Certified Date: 7/29/2022		

hazardous waste constituents, or changes the response necessary in an emergency, (5) the list of emergency coordinators or their information changes, or (6) the list of emergency equipment changes. Changes are recorded in the Revision Summary of this document.

24.0 RELATED DOCUMENTS


- 24.1 Appendix A - Emergency Management Contacts
- 24.2 Appendix B - Emergency Escape Routes and Accountability
- 24.3 Appendix C - Alarm and Emergency Equipment
- 24.4 Appendix D - Exercise and Drill Documentation
- 24.5 Appendix E - External Emergency Response Notifications
- 24.6 Appendix F - Intentionally Left Blank
- 24.7 Appendix G - Fire Prevention Assessment
- 24.8 Appendix H - Spill Release Reporting
- 24.9 Appendix I - Emergency Management Training Protocol
- 24.10 Appendix J - Spill Response Training Protocol
- 24.11 Appendix K - Fire Extinguisher Training Protocol
- 24.12 Appendix L - 40-Hour Hazwoper Training Protocol
- 24.13 Appendix M - 8-Hour Hazwoper Training Protocol
- 24.14 Appendix N - Critical Roles, Operations and Shut-Down Training Protocol
- 24.15 Appendix O - Fire Prevention Training Protocol
- 24.16 Appendix P – Flammable and Combustible Training Protocol
- 24.17 Appendix Q - Quick Reference Guide

25.0 REFERENCE DOCUMENTS


- 25.1 OSHA Emergency Response Plan [29 CFR 1910.38]
- 25.2 OSHA Fire Prevention Plan [29 CFR 1910.39]
- 25.3 OSHA Employee Alarm System [29 CFR 1910.165]
- 25.4 OSHA Portable Fire Extinguisher [29 CFR 1910.157]
- 25.5 OSHA Hazardous Waste Operations and Emergency Response [29 CFR 1910.120]
- 25.6 WDNR Hazardous Waste Regulations [Wisconsin DNR Chapter NR 660-679]
- 25.7 WDNR Hazardous Substance Spill Notification [Wisconsin DNR Chapter NR 706]
- 25.8 WDNR Contingency Plan [Wisconsin DNR Chapter NR 670.014(2)(g)]
- 25.9 WDNR Preparedness and Prevention [Wisconsin DNR Chapter NR 670.014(f)]
- 25.10 DOT Hazardous Material Incident Reporting [DOT 49 CFR 171.180]
- 25.11 National Fire Protection Association Requirements (NFPA)
- 25.12 Local Fire Department Ordinances
- 25.13 Incident Reporting and Investigation Plan [EHS-WI-004]
- 25.14 Medical Services and Management Plan [EHS-WI-008]
- 25.15 Bloodborne Pathogen Plan [EHS-WI-007]
- 25.16 Total Preventative Maintenance Plan
- 25.17 Training and Competence Plan

26.0 REVISION SUMMARY

Revision	Date	Description of changes	Requested By
000	1/20/2016	Initial Release	D. Zellmer
001	2/9/2016	Updated Concentra Urgent Care address in Section 17.	D. Zellmer
002	12/31/2017	Updated format and elements of the plan to be more reflective for the facility.	D. Zellmer

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	

003	6/24/2018	Updated 24-Hour emergency response company information.	D. Zellmer
004	3/7/2019	Reviewed and updated plan content. Revised associated appendixes.	D. Zellmer
005	3/19/2019	Updated to include a training protocol for fire extinguishers.	D. Zellmer
006	2/1/2020	Updated to include elements required for the hazardous waste license.	D. Zellmer
007	3/20/2020	Updated to correct typos and update internal and third emergency response information.	D. Zellmer
008	4/3/2020	Updated to include comments received from Stantec upon review.	D. Zellmer
009	10/12/2020	Updated the Emergency Contact List and added Appendix N.	D. Zellmer
010	7/25/2021	Updated to include revisions based upon WDNR comments.	D. Zellmer
011	11/22/2021	Updated to include revised Evacuation and Safety Map.	D. Zellmer
012	4/28/2022	Updated to change local Hospital on Emergency Management Contact list.	D. Zellmer
013	7/29/2022	Updated per WDNR recommendations.	D. Zellmer

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO	Certified Date: 7/29/2022		

APPENDIX A: EMERGENCY MANAGEMENT CONTACTS

Enviro-Safe Resource Recovery, LLC. - W130 N10500 Washington Drive, Germantown, Wisconsin, 53022

EMERGENCY COORDINATORS AND ALTERNATIVES

<u>Contacts</u>	<u>Title</u>	<u>Office</u>	<u>Cellular</u>
Dawn Zellmer ⁽¹⁾	CEO	(262) 790-2500 Ext. 104	(262) 613-2542
Jeff Vilione ⁽²⁾	President	(262) 790-2500 Ext. 101	(262) 613-5902
Michael Walsh ⁽²⁾	Technical Services Manager	(262) 790-2500 Ext. 106	(708) 751-0207
Bobby Wiedenfeld ⁽²⁾	Operations Manager	(262) 790-2500 Ext. 103	(414) 308-7492
Paul Monet	Marketing and Sales Manager	(262) 305-6964 Ext. 116	(262) 957-4406

⁽¹⁾ Primary emergency coordinator. ⁽²⁾ Alternate emergency coordinator.

FIRST AID RESPONSE TEAM

FOR MEDICAL EMERGENCIES CONTACT THE FIRST AID TEAM WITH APPROPRIATE LOCATION

<u>Contacts (On-Site)</u>	<u>Cellular</u>	<u>Contacts (Drivers)*</u>	<u>Cellular</u>
Andy Kruis	(414) 659-3875	Ben Cody	(262) 305-1158
Linda Liederbach	(414) 313-2904	Kevin Kyrola	(262) 364-6583
Mike Walsh	(708) 751-0207		
Bobby Wiedenfeld	(414) 380-7492		
Dawn Zellmer	(262) 613-2542		

*Transportation drivers have also been trained in First Aid Response but are not routinely on-site.

EMERGENCY RESPONSE/MEDICAL EMERGENCIES

FOR LIFE THREATING EMERGENCIES CALL 9-1-1 IMMEDIATELY.


Germantown Fire Department	(262) 253-7795 or 911	24-Hours a Day
Germantown Police Department	(262) 253-7790 or 911	24-Hours a Day
Ascension Wisconsin Hospital	(262) 415-2001	24-Hours a day
Nova Medical Center	(414) 800-0014	Mon-Fri 8:30am to 6:00pm

HAZARDOUS SUBSTANCE RELEASE/SPILLS

National Response Center (NRC)	(800) 424-8802
Wisconsin Department of Natural Resources (WDNR)	(800) 943-0003
Wisconsin State Emergency Response Board (SERB)	(608) 242-3232
Washington County Office of Emergency Management (LEPC)	(262) 335-4399
Clean Harbors Environmental Services (24-Hour Emergency Contact)	(800) 645-8265
Hepaco, Inc. (24-Hour Emergency Contact)	(800) 888-7689

OTHER EMERGENCY NUMBERS

OSHA Federal Office (As Required)	(800) 943-0003
OSHA Milwaukee Office	(414) 297-3315
WE Energies Gas Leak Emergency Hotline	(800) 261-5325
WE Energies Electrical Emergency Hotline	(800) 662-4797

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	

**APPENDIX B
EMERGENCY EVACUATION ROUTES and ACCOUTABILITY**

Emergency evacuation routes are present as part of the evacuation and safety maps located within each area of the facility for immediate reference in the instance that an emergency would occur that requires evacuation. The evacuation map includes the current location and exit routes, as well as, emergency equipment locations.

The primary meeting locations upon evacuations are as follows: Enviro-Safe Outside Sign

Geographical Map



Geographical Map -
2021-08-05.pdf

Facility Site Map



Facility Site Map -
2020-08-08.pdf

Evacuation and Safety Map



Evacuation and
Safety Map - 2022-0-

Employee Accountability

Upon evacuation, the organization is responsible for accounting for all employees present on the premises. Organizations with temporary employees, visitors and/or guests are responsible for accounting for these individuals, as well, to ensure no employee is deemed missing upon arrival by responding emergency personal.

The area managers shall be responsible for accounting for the employees, visitors, or contractors under their responsibility upon evacuation. The method used to achieve this is at the discretion of the area manager. It shall also be the area manager's responsibility to designate a secondary individual to assume these responsibilities in their absence.

Area Managers:	Sales and Marketing Manager	Paul Monet
	Technical Services Manager	Michael Walsh
	Operations Manager	Bobby Wiedenfeld



SITE

DETENTION POND

MAIN CREEK

**MINOR CREEK
OR SWALE**

NW

NE

Bradley Way

Washington Dr

Wasaukee Rd

25

SE

SW

Grant Dr

Dongs Bay Rd

36

NW

NE

0 200 400 600ft

**Emergency Management Plan
Appendix B: Geographical Map Date: August 5, 2021**

DISCLAIMER: This map is not guaranteed to be accurate, correct, current, or complete and conclusions drawn are the responsibility of the user.

Project:
ENVIRO-SAFE ADDITION



Location:
 W130N10500 WASHINGTON DR
 GERMANTOWN, WI 53022

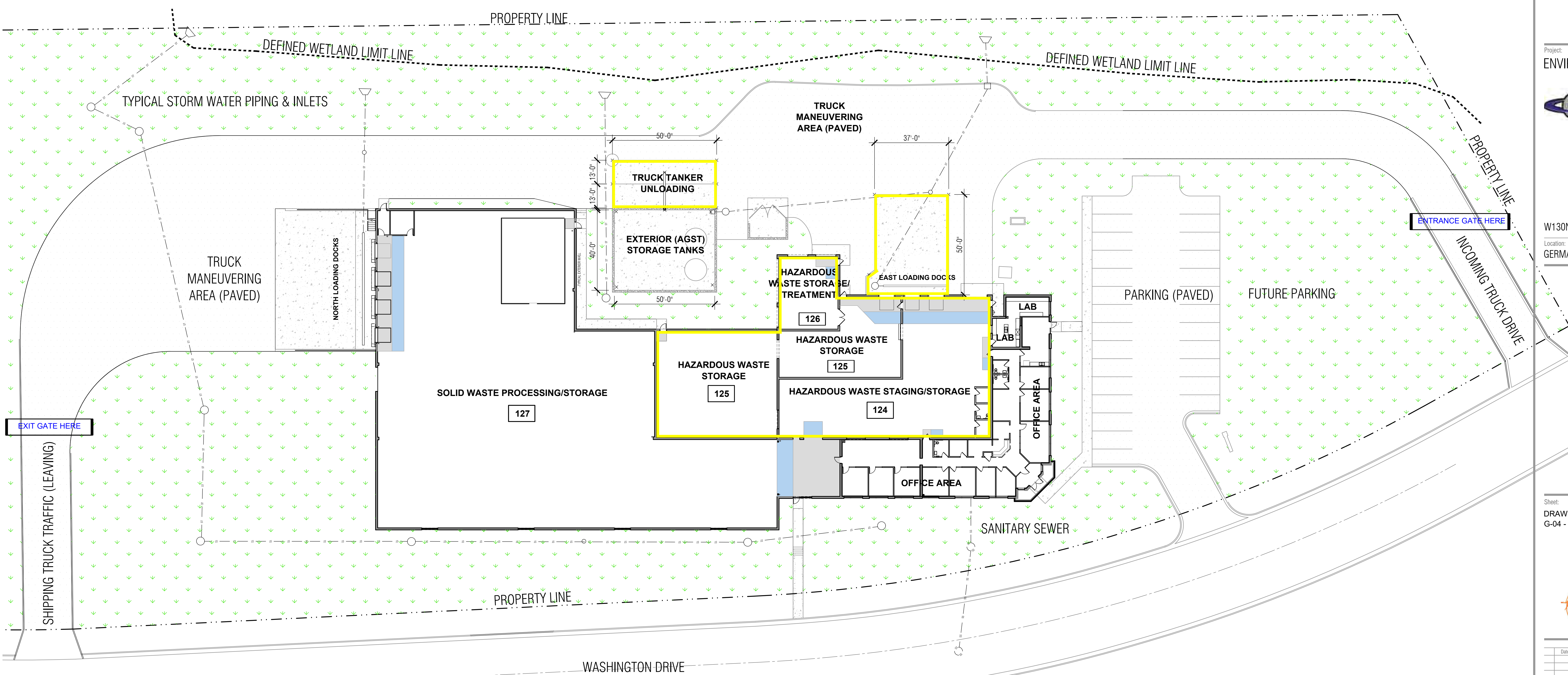
Sheet:
**DRAWINGS & MAPS:
 G-04 - FACILITY MAP**



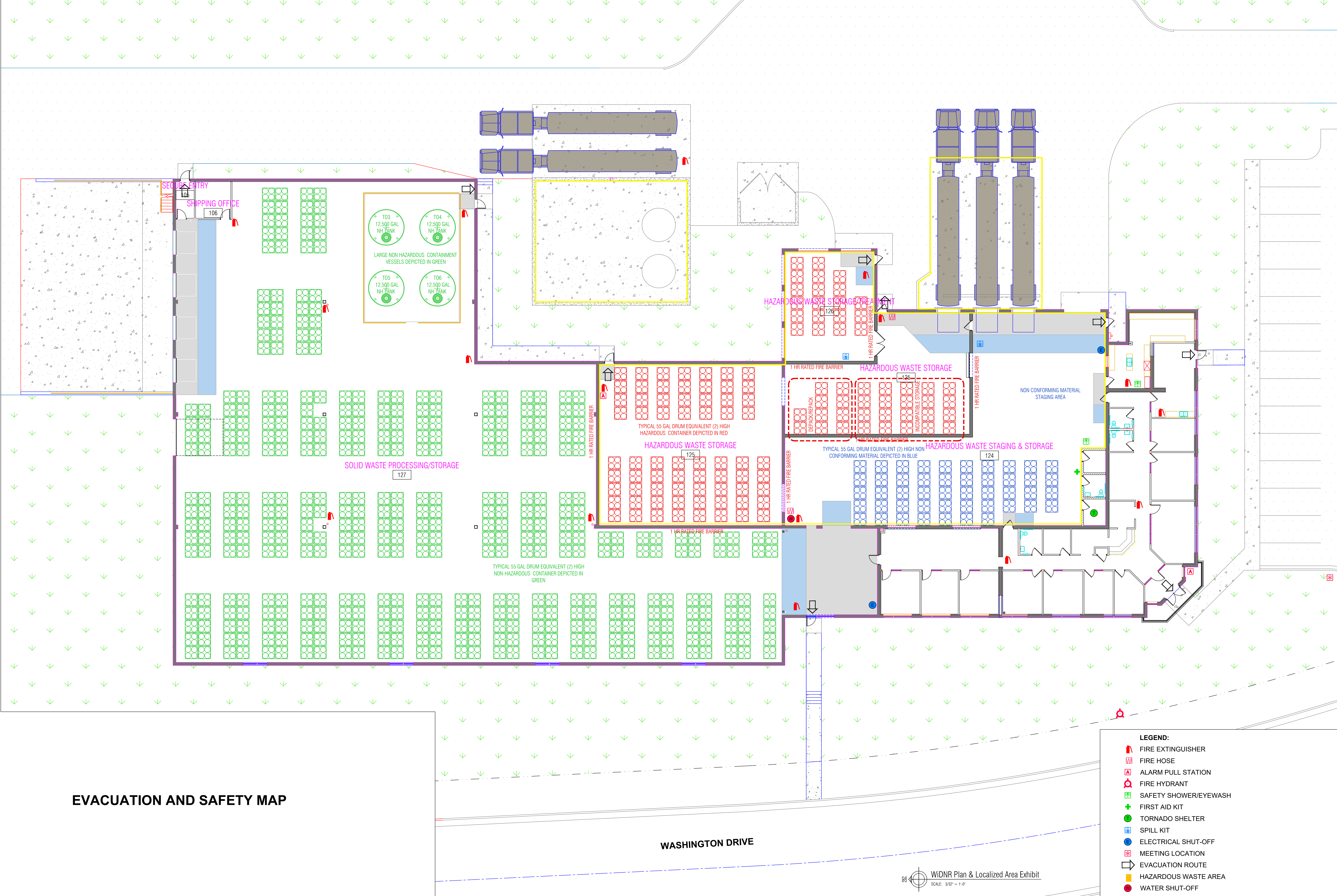
Date:	Issue Set:
Date:	2022-08-08
Project No.:	0019-42
Sheet No.:	

G-04

- MAP KEY**
- INTERIOR RAMPED FLOOR (6")
 - INTERIOR LANDING AREA (TYP ELEV 797.00')
 - EXTERIOR CONCRETE PAVING
 - ASPHALTIC PAVING
 - TURF OR NATURAL AREA
 - EXTERIOR WALL
 - LIMITS OF HAZARDOUS WASTE STORAGE
 - SANITARY SEWER
 - STORM SEWER
 - CATCH BASIN INLET OR MANHOLE
 - STORM SUMP
 - TRENCH DRAIN
 - STORM OUTFALL
 - 18,000 GAL 18M TANK
 - HAZARDOUS MATERIAL STORAGE 18,000 GAL



Overall Site Plan
 SCALE: 1" = 20'-0"
 SCALE: 1" = 20' PLOTTED ON 30" x 42"




EVACUATION AND SAFETY MAP

WASHINGTON DRIVE

WIDNR Plan & Localized Area Exhibit
SCALE: 3/32" = 1'-0"

- LEGEND:**
- FIRE EXTINGUISHER
 - FIRE HOSE
 - ALARM PULL STATION
 - FIRE HYDRANT
 - SAFETY SHOWER/EYEWASH
 - FIRST AID KIT
 - TORNADO SHELTER
 - SPILL KIT
 - ELECTRICAL SHUT-OFF
 - MEETING LOCATION
 - EVACUATION ROUTE
 - HAZARDOUS WASTE AREA
 - WATER SHUT-OFF

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO	Certified Date: 7/29/2022		

**APPENDIX C
ALARM and EMERGENCY EQUIPMENT**

Alarm System


The facility has installed and maintains an employee alarm system that provides signal for emergency evacuation. The alarm is distinctive and recognizable as a signal to perform action under the plan.

Emergency Equipment


The facility has installed and maintains various types of emergency equipment on-site to aid in the warning and management of emergency situations that may potential arise. The Operations Manager is responsible for maintenance of equipment and systems installed through the Total Preventative Maintenance Plan.

Emergency Equipment

Equipment	Inspection Requirements	Regulatory Citation
Alarm System and Communications		
Controls, Panels, Power System, Annunciators	Annually	NFPA 72
Notification Appliances	Annually	NFPA 72
Initiating Appliances	Annually	NFPA 72
Supervisory Appliances	Semi-Annually	NFPA 72
Battery Load Testing	Semi-Annually	NFPA 72
Smoke Detector Sensitivity Testing	One Year After Installation – 2-Years Thereafter	NFPA 72
Phone System	None	N/A
Two-Way Radios	None	N/A
Bloodborne Pathogen Clean-Up Supplies and/or Kits		
Inspection	Monthly	OSHA 1910.1030
Emergency and Exit Lights		
Functional Test – 30 Seconds	Monthly	NFPA 101
Functional Test – 90 Minutes	Annually	NFPA 101
Emergency Shower/Eyewash Unit		
Inspection: All Types	Weekly	ANSI Z358:1
Maintenance: All Types	Annually	ANSI Z358.1
Fire Extinguishers		
Inspection: All Types	Monthly	NFPA 10
Maintenance and Certification: All Types	Annually	NFPA 10
Internal Examination: CO2, Wet Chemical	Every 5-Years	NFPA 10
Internal Examination: Foam	Every 3-Years	NFPA 10

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	

Internal Examination: Dry Chemical and Halogenated Agents	Every 6-Years	NFPA 10
Hydrostatic Test: CO2, Wet Chemical, Foam and Water	Every 5-Years	NFPA 10
Hydrostatic Test: Dry Chemical, Halogenated Agents	Every 12-Years	NFPA 10
Fire Hydrant		
Fire Hydrant (Property of the Village of Germantown)	Annually	NFPA 291
First Aid Supplies and/or Kits		
Inspection	Monthly	1910.151
Spill Kits		
Inspection	Monthly	WDNR Chapter NR 706
Storm Sewer Drain Blocker	Monthly	WDNR Chapter NR 706
Sprinkler System		
Inspection	Quarterly	NFPA 25
Inspection	Annually	NFPA 25
Internal Inspections	Every 5-Years	NFPA 25

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	

**APPENDIX D
EMPLOYEE TRAINING AND DRILLS**

Employee Training

Employees shall be trained on the various subject matter appropriate to the level of their expected involvement and roles in emergency situations to ensure personnel are knowledgeable of their roles and responsibilities. The specific training details can be found in the Training and Competence Plan.

Employee Drills

To ensure that the plan will meet current conditions and that all involved individuals will respond properly, the plan will be routinely tested. All drills shall be documented, indicating the results of the exercise and any problems that were encountered, along with recommendations for plan modifications or improvements. Corrective and preventative actions shall be documented.

Evacuation Drill Form



Exercise and Drill
Document.pdf

FIRE DRILL EVALUATION CHECKLIST

DRILL INFORMATION

Name of Building/Facility _____

Building/Facility Address _____

Location of Drill (Specific floor/wing/etc) _____ Date of Drill ____ / ____ /20__

Time Drill Initiated ____:____ AM/PM Time All Occupants Vacated ____:____ AM/PM Elapsed Time _____ Min.

Drill Monitor Name: _____ Title/Position _____

Weather: TEMP: Cold / Warm / Hot WINDS: Calm / Breezy / Windy PRECIP: Sunny / Cloudy / Rain / Snow / Sleet

PRE DRILL ASSESSMENT

Evacuation routes posted Yes No

Evacuation signs are in good condition Yes No

Exits are clearly marked Yes No

Exit signs are properly illuminated Yes No

Exit doors operating properly Yes No

Egress routes free of obstructions Yes No

Egress routes properly lighted Yes No

COMMUNICATION

Method of Drill Activation:

Alarm Activation PA System

In-House Word of Mouth Other: _____

Drill preannounced Yes No

Fire department present for drill Yes No

Alarm monitoring company notified Yes No

Security notified Yes No N/A

FIRE CONTAINMENT

Doors and windows closed Yes No

Rooms checked prior to closing doors Yes No

Doors left unlocked Yes No

Fire extinguisher taken to location of fire Yes No

Door hold-open devices operated appropriately
 Yes No N/A

EVACUATION

All occupants participated and evacuated Yes No

Restrooms were checked for occupants Yes No

Evacuation was orderly Yes No

Visitors escorted and accounted for Yes No

Special needs persons accommodated Yes No

Elevators were used during evacuation Yes No

Overall response of occupants
 Satisfactory Unsatisfactory

Noise level of evacuation
 Satisfactory Unsatisfactory

Number of occupants evacuated

Visitors:_____ Staff:_____ Tenants:_____ TOTAL:_____

UTILITIES

Electrical appliances were turned off Yes No N/A

Lights were turned off Yes No N/A

HVAC units were shut down Yes No N/A

PLAN

Evacuation performed according to plan Yes No

Occupants met at designated meeting places according to the
plan Yes No

Designated meeting place(s) located at safe distances from
building Yes No

Fire drill/incident response team(s) responded according to
plan Yes No

Fire drill/incident response team(s) carried out assigned
duties Yes No

Fire department "mock" notified according to plan
 Yes No

FIRE ALARM SYSTEMS

Fire alarm clearly heard in all areas Yes No

Alarm monitoring company received alarm
 Yes No

Electro-magnetic locks operated appropriately
 Yes No N/A

Public address system clearly heard in all areas
 Yes No N/A

Elevators recalled to correct floor Yes No N/A

Any item receiving a "No" or "Unsatisfactory" is an item that the facility should work on to correct.

FIRE AND EMERGENCY EVACUATION DRILL OBJECTIVES

- Evaluate the effectiveness of the occupants abilities to evacuate a building
- Evaluate the effectiveness and adequateness of the fire and life safety evacuation plan
- Evaluate occupants ability to recognize the fire/evacuation alarm
- Determine whether the occupant takes appropriate actions upon hearing/seeing the evacuation/fire alarm
- Determine that the occupant begins the evacuation process in an acceptable manner and/or per plan
- Evaluate the occupants ability to provide assistance to visitors or individuals who are experiencing difficulty
- Evaluate the occupants ability to recognize and take appropriate actions when a means of egress is unsafe
- Ensure occupants report in at designated meeting places

RECORD KEEPING

At a minimum the following information is required to be collected during fire drills per the International Fire Code:

1. Identity of the person conducting the drill
2. Date and time of the drill
3. Notification method used
4. Staff members on duty and participating
5. Number of occupants evacuated
6. Special conditions simulated
7. Problems encountered
8. Weather conditions when occupants evacuated
9. Time required to accomplish complete evacuation


ALARM ACTIVATION

Where a fire alarm system is provided, emergency evacuation drills shall be initiated by activating the fire alarm system.

DRILL TIMES





Drill shall be held at unexpected times and under varying conditions to simulate the unusual conditions that occur in case of fire.



Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	

**APPENDIX E
EXTERNAL EMERGENCY RESPONSE NOTIFICATIONS**

The organization has established a prearranged agreement with the local police department, fire department, and emergency response teams. The prearrangements have been established in the form of written notification to the agencies listed below and includes information on the building layout, hazardous of the waste handled, places where personnel work, entrances to the site and evacuation routes. In addition, arrangements have been made with outside emergency response contractors. The organization has notified local occupational clinics and hospitals to ensure they are familiar with the organization, properties of waste handled and the potential resulting injuries and illnesses. A copy of the Emergency Management Plan and all revisions are provided to these entities per NR 664.0053(2).

Police Department	Germantown Police Department N112 W16877 Mequon Road Germantown, WI 53022 Chief of Police: Mr. Peter Hoell Phone: (262) 253-7780 or 911	 Submittal - Police Dept.pdf
Fire Department	Germantown Fire Department N115 W18752 Edison Drive Germantown, WI 53022 Fire Chief: Mr. John Delain Phone: (262) 253-7780 or 911	 Submittal - Fire Dept.pdf
Occupational Medical Clinic	Nova Medical Centers 8514 Brown Deer Road Milwaukee, WI 53224 Phone: (414) 800-0014 Jeffrey Peters	 Submittal - Medical Clinic.pdf
Hospital	Ascension Wisconsin Hospital N88 W14275 Main Street Menomonee Falls, WI 53051 Phone: (262) 415-2001	 Submittal - Hospital.pdf

The organization has established a prearranged agreement with outside companies to respond should a spill incident occur to assist in spill response, management, cleanup and regulatory reporting and requirements.

Spill Response Contractor (Primary)	Clean Harbors Environmental Services N104 W13275 Donges Bay Road Germantown, WI 53022 Phone: (262) 236-8130 24-Hour Phone: (800) 645-8265	 Clean Harbor Emergency Repsons
Spill Response Contractor (Secondary)	Hepaco, Inc. 8184 Starwood Drive Loves Park, IL 61111 Phone: (815) 885-4840 24-Hour Phone: (800) 885-4840	 Hepaco.pdf



April 29, 2022

CERTIFIED MAIL W/RETURN RECEIPT
7013 1090 0001 6922 1158

Germantown Police Department
N112 W16877 Mequon Road
Germantown, WI 53022

Enviro-Safe Resource Recovery
W130 N10500 Washington Drive
Germantown, WI 53022

Dawn Zellmer
Tel: (262) 790-2500
Fax: (262) 790-2560
dzellmer@enviro-safe.com

**Subject: WDNR LQG Preparedness and Prevention (NR 665.0037)
Enviro-Safe Consulting, LLC. dBA Enviro-Safe Resource Recovery
EPA ID Number: WIR00142877**

In accordance with WDNR NR 665.0037 under Wisconsin's Hazardous Waste Management Rules (Chapter NR 660-679, Wis. Admin. Code) for Small Quantity Generators (SQG), Enviro-Safe is required to notify and make emergency response arrangements with local authorizes as the result of the hazardous waste being handled at their location. As a result, Enviro-Safe shall assume that the above reference agency will accept and assume primary authority should an emergency situation occur at the site and will summons other departments to provide support as deemed necessary.

The company is required to provide local police, fire departments, hospitals and state or local emergency response teams with a layout of the facility, which may be useful in the event of an emergency involving an exposure or release, and a copy of the most current version of the site's Emergency Management Plan. The plan is designed to minimize hazards to human health and the environment from fires, explosions, or unplanned sudden or gradual releases of hazardous waste to the air, soil, or surface water. Please review the information provided and retain in your files for future reference, if needed.

In addition, below is a summary of the routine hazardous waste that are currently being generated or handled at the site with the properties of the wastes handled and the potential resulting injuries and illnesses based upon the general guidance from the 2022 Emergency Response Guide (ERG).

Waste Types	Waste Properties	Potential Injuries/Illnesses
Non-RCRA (Non-Hazardous) Waste	Non-DOT	See 2022 ERG 159 Attachment
Flammable Gases	DOT Class 2.1	See 2022 ERG 115 Attachment
Non-Flammable Gases	DOT Class 2.2	See 2022 ERG 120 Attachment
Flammable Liquids	DOT Class 3	See 2022 ERG 127 Attachment
Flammable Solids	DOT Class 4.1	See 2022 ERG 133 Attachment



Spontaneously Combustible	DOT Class 4.2	See 2022 ERG 135 Attachment
Dangerous When Wet Materials	DOT Class 4.3	See 2022 ERG 139 Attachment
Oxidizers	DOT Class 5.1	See 2022 ERG 140 Attachment
Organic Peroxide	DOT Class 5.2	See 2022 ERG 148 Attachment
Poison/Toxic	DOT Class 6	See 2022 ERG 151 Attachment
Corrosive Liquids	DOT Class 8	See 2022 ERG 154 Attachment
Miscellaneous	DOT Class 9	See 2022 ERG 171 Attachment

Routine updates shall be provided to ensure the most current information is available. In addition, if you would like to arrange an on-site visit to become familiar with the facility, please contact me to discuss scheduling.

If you have any questions regarding the information provided, please feel free to contact me at (262) 790-2500 or dzellmer@enviro-safe.com

Best Regards,
Dawn Zellmer
CEO

Enclosure(s): Facility Layout
USB Flash Drive including Emergency Management Plan
USB Flash Drive including 2022 Emergency Response Guide (ERG)

c: File

Track Another Package +

Tracking Number: 9500110363912125781194

Remove X

Your item has been delivered and is available at a PO Box at 1:04 pm on May 5, 2022 in GERMANTOWN, WI 53022.

USPS Tracking Plus[®] Available ∨

Delivered, PO Box

May 5, 2022 at 1:04 pm
GERMANTOWN, WI 53022

Feedback

Get Updates ∨

Text & Email Updates



Tracking History



May 5, 2022, 1:04 pm

Delivered, PO Box

GERMANTOWN, WI 53022

Your item has been delivered and is available at a PO Box at 1:04 pm on May 5, 2022 in GERMANTOWN, WI 53022.

May 5, 2022, 12:58 pm

USPS in possession of item

GERMANTOWN, WI 53022

USPS Tracking Plus®



Product Information



Postal Product:

First-Class Package Service - Retail

Features:

USPS Tracking®

See Less

Can't find what you're looking for?

Go to our FAQs section to find answers to your tracking questions.

FAQs

Feedback



April 29, 2022

CERTIFIED MAIL W/RETURN RECEIPT
7013 1090 0001 6922 1165

Germantown Fire Department
N115 W18752 Edison Drive
Germantown, WI 53022

Enviro-Safe Resource Recovery
W130 N10500 Washington Drive
Germantown, WI 53022

Dawn Zellmer
Tel: (262) 790-2500
Fax: (262) 790-2560
dzellmer@enviro-safe.com

Subject: WDNR SQG Preparedness and Prevention (NR 665.0037)
Enviro-Safe Consulting, LLC. dBA Enviro-Safe Resource Recovery
EPA ID Number: WIR00142877

In accordance with WDNR NR 665.0037 under Wisconsin's Hazardous Waste Management Rules (Chapter NR 660-679, Wis. Admin. Code) for Small Quantity Generators (SQG), Enviro-Safe is required to notify and make emergency response arrangements with local authorizes as the result of the hazardous waste being handled at their location. As a result, Enviro-Safe shall assume that the above reference agency will accept and assume primary authority should an emergency situation occur at the site and will summons other departments to provide support as deemed necessary.

The company is required to provide local police, fire departments, hospitals and state or local emergency response teams with a layout of the facility, which may be useful in the event of an emergency involving an exposure or release, and a copy of the most current version of the site's Emergency Management Plan. The plan is designed to minimize hazards to human health and the environment from fires, explosions, or unplanned sudden or gradual releases of hazardous waste to the air, soil, or surface water. Please review the information provided and retain in your files for future reference, if needed.

In addition, below is a summary of the routine hazardous waste that are currently being generated or handled at the site with the properties of the wastes handled and the potential resulting injuries and illnesses based upon the general guidance from the 2022 Emergency Response Guide (ERG).

Waste Types	Waste Properties	Potential Injuries/Illnesses
Non-RCRA (Non-Hazardous) Waste	Non-DOT	See 2022 ERG 159 Attachment
Flammable Gases	DOT Class 2.1	See 2022 ERG 115 Attachment
Non-Flammable Gases	DOT Class 2.2	See 2022 ERG 120 Attachment
Flammable Liquids	DOT Class 3	See 2022 ERG 127 Attachment
Flammable Solids	DOT Class 4.1	See 2022 ERG 133 Attachment



Spontaneously Combustible	DOT Class 4.2	See 2022 ERG 135 Attachment
Dangerous When Wet Materials	DOT Class 4.3	See 2022 ERG 139 Attachment
Oxidizers	DOT Class 5.1	See 2022 ERG 140 Attachment
Organic Peroxide	DOT Class 5.2	See 2022 ERG 148 Attachment
Poison/Toxic	DOT Class 6	See 2022 ERG 151 Attachment
Corrosive Liquids	DOT Class 8	See 2022 ERG 154 Attachment
Miscellaneous	DOT Class 9	See 2022 ERG 171 Attachment

Routine updates shall be provided to ensure the most current information is available. In addition, if you would like to arrange an on-site visit to become familiar with the facility, please contact me to discuss scheduling.

If you have any questions regarding the information provided, please feel free to contact me at (262) 790-2500 or dzellmer@enviro-safe.com

Best Regards,
Dawn Zellmer
CEO

Enclosure(s): Facility Layout
USB Flash Drive including Emergency Management Plan
USB Flash Drive including 2022 Emergency Response Guide (ERG)

c: File

Track Another Package +

Tracking Number: 9500110363912125781187

Remove X

Your item was delivered in or at the mailbox at 8:34 am on May 6, 2022 in GERMANTOWN, WI 53022.

USPS Tracking Plus[®] Available ∨

Delivered, In/At Mailbox

May 6, 2022 at 8:34 am
GERMANTOWN, WI 53022

Feedback

Get Updates ∨

Text & Email Updates



Tracking History



May 6, 2022, 8:34 am

Delivered, In/At Mailbox

GERMANTOWN, WI 53022

Your item was delivered in or at the mailbox at 8:34 am on May 6, 2022 in GERMANTOWN, WI 53022.

May 6, 2022, 6:10 am

Out for Delivery

GERMANTOWN, WI 53022

May 5, 2022, 3:04 pm
Arrived at Post Office
GERMANTOWN, WI 53022

May 5, 2022, 12:58 pm
USPS in possession of item
GERMANTOWN, WI 53022

USPS Tracking Plus®



Product Information



Postal Product:

First-Class Package Service - Retail

Features:

USPS Tracking®

Feedback

See Less

Can't find what you're looking for?

Go to our FAQs section to find answers to your tracking questions.

FAQs



April 29, 2022

CERTIFIED MAIL W/RETURN RECEIPT
7013 1090 0001 6922 1134

Nova Medical Centers
8514 Brown Deer Road
Milwaukee, WI 53224

Enviro-Safe Resource Recovery
W130 N10500 Washington Drive
Germantown, WI 53022

Dawn Zellmer
Tel: (262) 790-2500
Fax: (262) 790-2560
dzellmer@enviro-safe.com

Subject: WDNR SQG Preparedness and Prevention (NR 665.0037)
Enviro-Safe Consulting, LLC. dBA Enviro-Safe Resource Recovery
EPA ID Number: WIR00142877

In accordance with WDNR NR 665.0037 under Wisconsin's Hazardous Waste Management Rules (Chapter NR 660-679, Wis. Admin. Code) for Small Quantity Generators (SQG), Enviro-Safe is required to notify and make emergency response arrangements with local authorizes as the result of the hazardous waste being handled at their location. As a result, Enviro-Safe shall assume that the above reference agency will accept and assume primary authority should an emergency situation occur at the site and will summons other departments to provide support as deemed necessary.

The company is required to provide local police, fire departments, hospitals and state or local emergency response teams with a layout of the facility, which may be useful in the event of an emergency involving an exposure or release, and a copy of the most current version of the site's Emergency Management Plan. The plan is designed to minimize hazards to human health and the environment from fires, explosions, or unplanned sudden or gradual releases of hazardous waste to the air, soil, or surface water. Please review the information provided and retain in your files for future reference, if needed.

In addition, below is a summary of the routine hazardous waste that are currently being generated or handled at the site with the properties of the wastes handled and the potential resulting injuries and illnesses based upon the general guidance from the 2022 Emergency Response Guide (ERG).

Waste Types	Waste Properties	Potential Injuries/Illnesses
Non-RCRA (Non-Hazardous) Waste	Non-DOT	See 2022 ERG 159 Attachment
Flammable Gases	DOT Class 2.1	See 2022 ERG 115 Attachment
Non-Flammable Gases	DOT Class 2.2	See 2022 ERG 120 Attachment
Flammable Liquids	DOT Class 3	See 2022 ERG 127 Attachment
Flammable Solids	DOT Class 4.1	See 2022 ERG 133 Attachment



Spontaneously Combustible	DOT Class 4.2	See 2022 ERG 135 Attachment
Dangerous When Wet Materials	DOT Class 4.3	See 2022 ERG 139 Attachment
Oxidizers	DOT Class 5.1	See 2022 ERG 140 Attachment
Organic Peroxide	DOT Class 5.2	See 2022 ERG 148 Attachment
Poison/Toxic	DOT Class 6	See 2022 ERG 151 Attachment
Corrosive Liquids	DOT Class 8	See 2022 ERG 154 Attachment
Miscellaneous	DOT Class 9	See 2022 ERG 171 Attachment

Routine updates shall be provided to ensure the most current information is available. In addition, if you would like to arrange an on-site visit to become familiar with the facility, please contact me to discuss scheduling.

If you have any questions regarding the information provided, please feel free to contact me at (262) 790-2500 or dzellmer@enviro-safe.com

Best Regards,
Dawn Zellmer
CEO

Enclosure(s): Facility Layout
USB Flash Drive including Emergency Management Plan
USB Flash Drive including 2022 Emergency Response Guide (ERG)

c: File

Track Another Package +

Tracking Number: 9500110363912125781163

Remove X

Your item was delivered to the front desk, reception area, or mail room at 10:34 am on May 6, 2022 in MILWAUKEE, WI 53224.

USPS Tracking Plus[®] Available ∨

Delivered, Front Desk/Reception/Mail Room

May 6, 2022 at 10:34 am
MILWAUKEE, WI 53224

Feedback

Get Updates ∨

Text & Email Updates



Tracking History



May 6, 2022, 10:34 am

Delivered, Front Desk/Reception/Mail Room
MILWAUKEE, WI 53224

Your item was delivered to the front desk, reception area, or mail room at 10:34 am on May 6, 2022 in MILWAUKEE, WI 53224.

May 6, 2022, 7:20 am

Out for Delivery
MILWAUKEE, WI 53224

May 6, 2022, 7:09 am
Arrived at Post Office
MILWAUKEE, WI 53223

May 6, 2022, 4:57 am
Arrived at USPS Facility
MILWAUKEE, WI 53223

May 6, 2022, 4:57 am
Departed USPS Regional Facility
OAK CREEK WI DISTRIBUTION CENTER

May 5, 2022, 10:05 pm
Arrived at USPS Regional Facility
OAK CREEK WI DISTRIBUTION CENTER

May 5, 2022, 5:25 pm
Departed Post Office
GERMANTOWN, WI 53022

May 5, 2022, 12:56 pm
USPS in possession of item
GERMANTOWN, WI 53022

Feedback

USPS Tracking Plus®



Product Information



Postal Product:

First-Class Package Service - Retail

Features:

USPS Tracking®

See Less



April 29, 2022

CERTIFIED MAIL W/RETURN RECEIPT
7013 1090 0001 6922 1127

Ascension Wisconsin Hospital
N88 W14275 Main Street
Menomonee Falls, WI 53051

Enviro-Safe Resource Recovery
W130 N10500 Washington Drive
Germantown, WI 53022

Dawn Zellmer
Tel: (262) 790-2500
Fax: (262) 790-2560
dzellmer@enviro-safe.com

Subject: WDNR SQG Preparedness and Prevention (NR 665.0037)
Enviro-Safe Consulting, LLC. dBA Enviro-Safe Resource Recovery
EPA ID Number: WIR00142877

In accordance with WDNR NR 665.0037 under Wisconsin's Hazardous Waste Management Rules (Chapter NR 660-679, Wis. Admin. Code) for Small Quantity Generators (SQG), Enviro-Safe is required to notify and make emergency response arrangements with local authorizes as the result of the hazardous waste being handled at their location. As a result, Enviro-Safe shall assume that the above reference agency will accept and assume primary authority should an emergency situation occur at the site and will summons other departments to provide support as deemed necessary.

The company is required to provide local police, fire departments, hospitals and state or local emergency response teams with a layout of the facility, which may be useful in the event of an emergency involving an exposure or release, and a copy of the most current version of the site's Emergency Management Plan. The plan is designed to minimize hazards to human health and the environment from fires, explosions, or unplanned sudden or gradual releases of hazardous waste to the air, soil, or surface water. Please review the information provided and retain in your files for future reference, if needed.

In addition, below is a summary of the routine hazardous waste that are currently being generated or handled at the site with the properties of the wastes handled and the potential resulting injuries and illnesses based upon the general guidance from the 2022 Emergency Response Guide (ERG).

Waste Types	Waste Properties	Potential Injuries/Illnesses
Non-RCRA (Non-Hazardous) Waste	Non-DOT	See 2022 ERG 159 Attachment
Flammable Gases	DOT Class 2.1	See 2022 ERG 115 Attachment
Non-Flammable Gases	DOT Class 2.2	See 2022 ERG 120 Attachment
Flammable Liquids	DOT Class 3	See 2022 ERG 127 Attachment
Flammable Solids	DOT Class 4.1	See 2022 ERG 133 Attachment



Spontaneously Combustible	DOT Class 4.2	See 2022 ERG 135 Attachment
Dangerous When Wet Materials	DOT Class 4.3	See 2022 ERG 139 Attachment
Oxidizers	DOT Class 5.1	See 2022 ERG 140 Attachment
Organic Peroxide	DOT Class 5.2	See 2022 ERG 148 Attachment
Poison/Toxic	DOT Class 6	See 2022 ERG 151 Attachment
Corrosive Liquids	DOT Class 8	See 2022 ERG 154 Attachment
Miscellaneous	DOT Class 9	See 2022 ERG 171 Attachment

Routine updates shall be provided to ensure the most current information is available. In addition, if you would like to arrange an on-site visit to become familiar with the facility, please contact me to discuss scheduling.

If you have any questions regarding the information provided, please feel free to contact me at (262) 790-2500 or dzellmer@enviro-safe.com

Best Regards,
Dawn Zellmer
CEO

Enclosure(s): Facility Layout
USB Flash Drive including Emergency Management Plan
USB Flash Drive including 2022 Emergency Response Guide (ERG)

c: File

Track Another Package +

Tracking Number: 9500110363912125781170

Remove X

Your item was delivered in or at the mailbox at 10:10 am on May 6, 2022 in MENOMONEE FALLS, WI 53051.

USPS Tracking Plus[®] Available ∨

Delivered, In/At Mailbox

May 6, 2022 at 10:10 am
MENOMONEE FALLS, WI 53051

Feedback

Get Updates ∨

Text & Email Updates



Tracking History



May 6, 2022, 10:10 am

Delivered, In/At Mailbox

MENOMONEE FALLS, WI 53051

Your item was delivered in or at the mailbox at 10:10 am on May 6, 2022 in MENOMONEE FALLS, WI 53051.

May 6, 2022, 7:00 am

Out for Delivery

MENOMONEE FALLS, WI 53051

May 6, 2022, 6:49 am
Arrived at Post Office
MENOMONEE FALLS, WI 53051

May 5, 2022, 5:25 pm
Departed Post Office
GERMANTOWN, WI 53022

May 5, 2022, 12:57 pm
USPS in possession of item
GERMANTOWN, WI 53022

USPS Tracking Plus®



Product Information



Feedback

Postal Product:

First-Class Package Service - Retail

Features:

USPS Tracking®

See Less ^

Can't find what you're looking for?

Go to our FAQs section to find answers to your tracking questions.

FAQs



Emergency Response Resource Book

Clean Harbors International Response Team

24-Hour Emergency Response Services

800.645.8265 (800.OIL.TANK)



COMPANY QUALIFICATIONS

Clean Harbors manages over three thousand environmental emergency responses or disaster recovery operations on land and water throughout North America each year. Whether it's a cleanup and removal of a single mercury bottle or a large-scale multiphase containment and cleanup of a coastal oil spill or damage from a hurricane, companies and governmental agencies trust our expertise and technical knowledge to handle any emergency with the highest regard to the environment and health and safety.

Since 1980, Clean Harbors has taken the lead in identifying the most effective, safe, and environmentally sound options for managing environmental emergencies. Our commitment to integrity and high performance standards has resulted in long-standing business relationships with government agencies, insurance companies, and public/private companies. With more than 100 service locations and over 48 waste management facilities in the North America, Clean Harbors is your single source for the safest and most efficient management of any environmental emergency.

Emergencies can happen anywhere and anytime in facilities, on roadways or in waterways. When time and safety are of the essence, Clean Harbors is ready to take control of your emergency situation and make appropriate decisions that will save you time and money. Depending on the nature of the emergency, Clean Harbors can deploy mobilized central command centers and a national response team. Command centers are fully equipped with communication and computer equipment, and utilize a satellite link to Clean Harbors systems allowing the team to effectively coordinate all response activities, even in the most remote locations.

Public and private companies along with local, state, provincial, and federal government agencies trust Clean Harbors to handle their emergency response and disaster recovery needs because they know we have the experience, technical knowledge, and operational resources to get the job done right, while adhering to strict regulatory statutes as well as health and safety standards. From immediate response and containment to cleanup operations, Clean Harbors provides the manpower and equipment, logistical support, ICS/NIMS integration, and operational oversight to manage any size environmental emergency.

Clean Harbors can rapidly deploy hundreds of experienced 40-hour OSHA certified workers to meet the needs of any incident. Whatever the response requires, from Level C through Level A, we handle a wide range of hazardous materials including oil, gasoline, chemical, PCB's, and biological hazards.

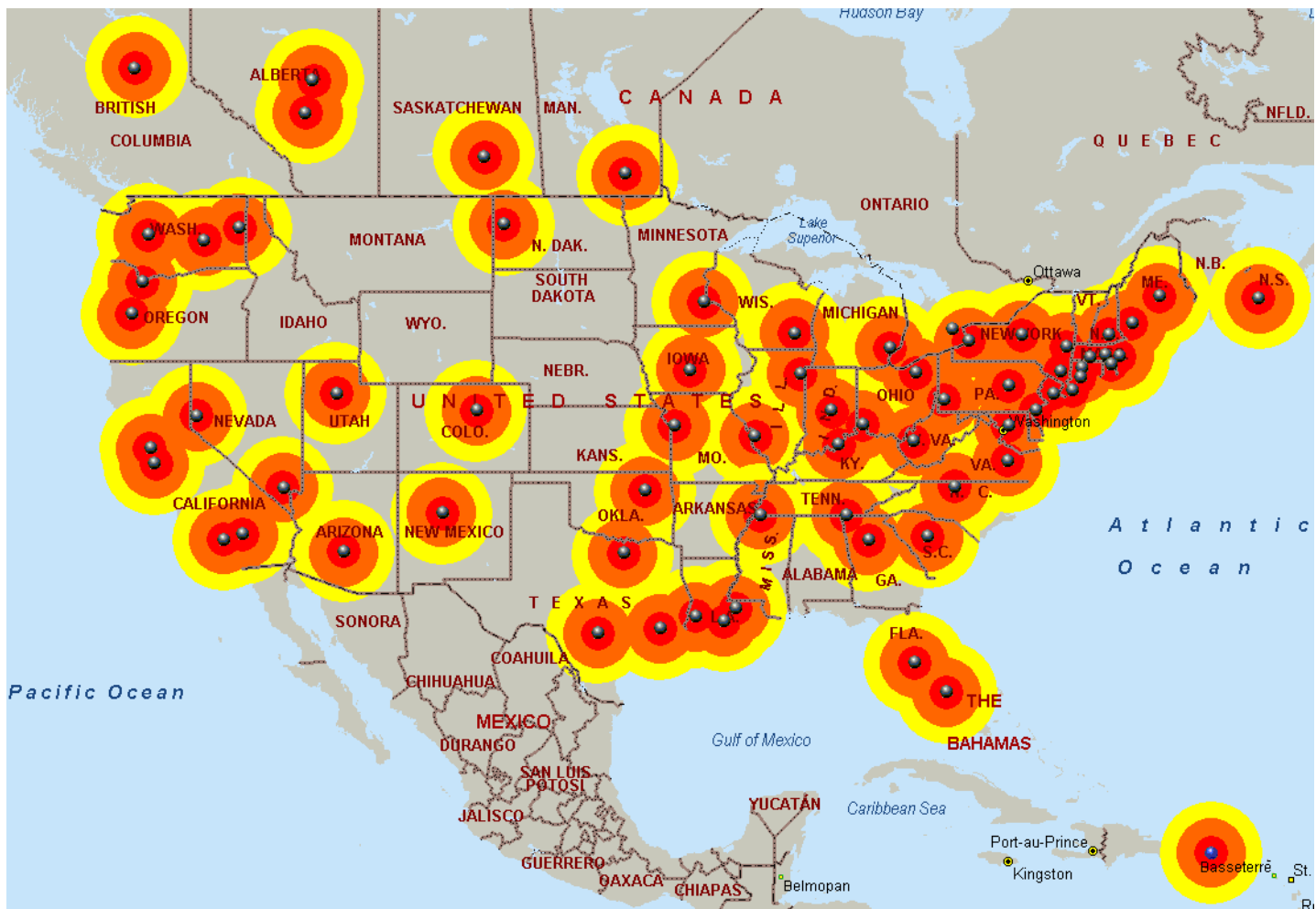
Clean Harbors typically responds to over-the-road incidents, punctured lines, tank overflows, leaking drums, and saddle tank spills, to major and catastrophic incidents such as large pipeline ruptures, ship groundings, tanker truck rollovers and facility releases that can easily threaten oceans, rivers, streams and lakes, as well as roadways, facilities, and public areas.

Clean Harbors offers its customers emergency response services along with the necessary backup components to complete an entire project. Services such as environmental remediation including surface remediation, groundwater restoration, underground storage tank management, and site decontamination are essential to successful emergency response activities. Our remedial programs are designed to provide both planned and emergency services to any environmental situation that can develop from an emergency spill.

One call to 800.645.8265 (800.OIL.TANK) from anywhere across North America connects you to Clean Harbors' network of emergency response service centers. With our experience, technical knowledge and vast array of resources, Clean Harbors provides a complete solution. Customers know they are in good hands.

For more information about Clean Harbors and the services we provide, please visit our website at www.cleanharbors.com.

EMERGENCY RESPONSE COVERAGE MAP



Coverage Map Updated 2017

- Red = 50 mile coverage area
- Orange = 100 mile coverage area
- Yellow = 150 mile coverage area

- Black pegs = United States Service Centers
- Red pegs = Canadian Service Centers
- Blue peg = Puerto Rican Service Center



ER & OSRO OVERVIEW

ABOUT HEPACO

Founded in 1984, **HEPACO, LLC** (HEPACO) is a professional environmental services company with strategically-located service centers providing coverage throughout the Eastern United States, and beyond.

EMERGENCY RESPONSE & OSRO CAPABILITIES

HEPACO has highly-trained personnel and state-of-the-art equipment ready and able to respond to a wide variety of environmental emergencies including waterway releases, derailments, pipeline releases, leaking storage tanks, roadside spills, damaged freight, leaking transformers, abandoned wastes, and facility contamination.

HEPACO maintains an OSRO Classification (OSRO #32) throughout our operating area. Classifications are based upon minimum equipment amounts and response time standards outlined in the Coast Guard's OSRO Classification Guidelines.



EMERGENCY RESPONSE HISTORY

Emergency Responses	
2019	15,000 +
2018	6,300 +
2017	3,700 +
2016	3,300 +

BOOM DEPLOYMENT HISTORY

	ER	Training/Exercise
2019	29	49
2018	34	23
2017	22	18
2016	43	39

OUR SPECIALIZED EQUIPMENT

- Air compressors < 185 CFM
- Air knifing equipment
- Boats, 12 feet to 32 feet
- Containment boom (75,000+ linear feet)
- Confined Space Entry equipment
- Confined Space Rescue equipment
- Dedicated response trailers
- Dedicated response vehicles
- Elastec BoomVane™
- Flare stacks
- Frac tanks 500 BBL

- Heavy equipment (yellow iron)
- Hydraulic gear pumps
- Level A PPE
- Line camera equipment
- Line jetting equipment
- Mechanical recovery systems
- Mercury monitoring & recovery equipment
- Midland and C-Kits
- Mobile command centers
- Pneumatic pumps: aluminum
- Pneumatic pumps: poly
- Pneumatic pumps: stainless
- Pressure wash trucks & trailers
- Roll off boxes

- Roll off trucks
- Skimmers: dual drum and Weir
- Transfer trailers
- Vacuum tankers
- Vacuum trucks: HiRail
- Vacuum trucks: Industrial
- Vacuum trucks: Master Vac
- Vacuum trucks: Turbo



45+ SERVICE CENTERS ACROSS THE EASTERN UNITED STATES
VISIT US ONLINE AT: www.HEPACO.com

CONTACT:

TIM ACRI, CHMP

Senior Vice President
513.309.7461
tacri@HEPACO.com



SAFETY IS AT THE HEART OF OUR CORE VALUES

HEPACO has a deeply-ingrained safety program that is embraced across every level of our organization. We maintain an **Experience Modification Rating (EMR)** of **0.75**. All HEPACO field personnel receive extensive training and are part of a medical monitoring program. In addition to HAZWOPER, RCRA, DOT, confined space entry/rescue and first aid/CPR training, we maintain a wide variety of certifications, including **SafeLand, Pipeline Operator Qualified (OQ), Loss Prevention Systems (LPS), API Tank Entry Supervisor (TES), and API WorkSafe**. HEPACO is pre-qualified by the contractor screening consortiums ISNetworld, CCS, PEC Premier and Avetta. We are also a permitted hazardous waste transporter and a U.S. Coast Guard classified **Oil Spill Response Organization (OSRO #32)**.


PERSONNEL CERTIFICATIONS & TRAINING

- 10-Hr OSHA
- 30-Hr OSHA
- 40-Hr HazWoper
- 8-Hr HazWoper Refresher
- Advanced Rail Car / Tank Car Specialists
- API Tank Entry Supervisor (TES)
- API WorkSafe
- Biohazard / Bloodborne Pathogens
- Confined Space Entry
- Confined Space Rescue
- CPR Trained
- Diking / Damming (Containment)
- DOT CDL Drivers
- EMT / Paramedics HAZMAT Endorsed Drivers
- e-RAILSAFE
- Fall Protection
- Fire Fighters
- FRA Roadway Worker
- HAZMAT Endorsed Drivers
- Heavy Equipment Operator
- Level A PPE Response
- On-Track Safety
- PEC SafeLand
- Tank Truck Specialists
- Transfer: Cargo
- Transfer: Rail
- Transfer: Tank
- Transportation (Bulk, Freight, Packages)
- TWIC Card
- UST Removal




45+ SERVICE CENTERS ACROSS THE EASTERN UNITED STATES

VISIT US ONLINE AT: www.HEPACO.com

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	

APPENDIX F

Intentionally Left Blank

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	

**APPENDIX G
FIRE PREVENTION ASSESSMENT**

COMPANY: Enviro-Safe Resource Recovery **REVIEWER:** Dawn Zellmer
LOCATION: Germantown, WI **REVIEW DATE:** 4/28/2022

FIRE HAZARDS (check all that apply):

Ignition Sources		
<input checked="" type="checkbox"/> Chemicals: Transferring Operations	<input type="checkbox"/> Electrical Installation: Overloads	<input type="checkbox"/> Hot Processes or Hot Work: Welding
<input checked="" type="checkbox"/> Chemicals: Storage	<input type="checkbox"/> Electrical Installation: Over Heating	<input type="checkbox"/> Hot Processes or Hot Work: Cutting
<input type="checkbox"/> Chemicals: Spontaneous Ignition	<input type="checkbox"/> Electrical Installation: Improper Rating	<input type="checkbox"/> Hot Processes of Hot Work: Brazing
<input type="checkbox"/> Chemicals: Self-Heating	<input type="checkbox"/> Electrical Equipment: Damaged Cables	<input type="checkbox"/> Steam Pipes
<input type="checkbox"/> Mechanical Equipment: Frictional Heat	<input type="checkbox"/> Electrical Equipment: Faulty or Misuse	<input type="checkbox"/> Smoker Materials: Cigarettes/ Matches/ Lighters
<input checked="" type="checkbox"/> Mechanical Equipment: Static Charge	<input type="checkbox"/> Naked Flames: Open Flame Equipment	<input type="checkbox"/> Electrical, Gas or Oil Filled Heaters
<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:

Fuel Sources		
<input checked="" type="checkbox"/> Flammable Liquids	<input checked="" type="checkbox"/> Wood Pallets	<input type="checkbox"/> Paper Products
<input type="checkbox"/> Flammable Gases	<input checked="" type="checkbox"/> Packaging Materials	<input checked="" type="checkbox"/> Litter and Rubbish
<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:


Oxygen Sources		
<input checked="" type="checkbox"/> Air: Natural	<input checked="" type="checkbox"/> Air: Mechanical	<input type="checkbox"/> Oxidizing Chemicals/Materials
<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:

CONTROLS (check all that apply):

Engineering Controls	
<input type="checkbox"/> Electrical Installation	<input checked="" type="checkbox"/> Fire Control Equipment: Alarm
<input type="checkbox"/> Electrical Equipment	<input checked="" type="checkbox"/> Fire Control Equipment: Sprinkler System
<input checked="" type="checkbox"/> Non-Sparking Tools	<input checked="" type="checkbox"/> Fire Control Equipment: Fire Extinguisher
<input type="checkbox"/> Static-Dissipating Shoes/Boots	<input checked="" type="checkbox"/> Fire Control Equipment: Smoke Detectors
<input checked="" type="checkbox"/> Uniform (Cotton)	<input checked="" type="checkbox"/> Flammable Storage Warehouse and/or Cabinets
<input checked="" type="checkbox"/> Other: Ventilation (6 air exchanges per hour)	<input checked="" type="checkbox"/> Other: Gas Detection System

Administrative Controls	
<input checked="" type="checkbox"/> Smoking Policy	<input checked="" type="checkbox"/> Flammable/Combustible Waste Material Policy
<input checked="" type="checkbox"/> Hot Work Policy	<input type="checkbox"/> Electrical Equipment Testing and Maintenance
<input checked="" type="checkbox"/> Grounding and Bonding Policy/Equipment	<input checked="" type="checkbox"/> Fire Control Equipment Testing and Maintenance
<input checked="" type="checkbox"/> Combustible and Flammable Handling and Storage Policy	<input type="checkbox"/> Other:

ADDITIONAL COMMENTS

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO	Certified Date: 7/29/2022		

**APPENDIX H
SPILL REPORTING REQUIREMENTS AND NOTIFICATIONS**

In addition to the emergency response procedures previously established and outlined with this plan, additional immediate reporting requirements shall be required for discharges of spills of hazardous substances.

WDNR Reportable Spills

Spills are reportable to the Wisconsin DNR if:

- there is an impact to human health (an evacuation is considered a threat to human health)
- there is an impact to the environment (includes sanitary sewer, storm sewer and/or surface water)
- there is a fire, explosion or safety hazard
- the spill has NOT been immediately cleaned up (in accordance with NR700-726)
- the spill is more than reportable quantities:
 - petroleum product completely contained on an impervious surface.
 - less than 1 gallon of gasoline or light grade petroleum product onto a pervious surface or runs off an impervious surface.
 - less than 5 gallons of medium or heavy grade petroleum products onto a pervious surface or runs off an impervious surface.

****Special Note.** A hazardous substance that is “discharged” into a secondary containment structure, that is completely contained and can be recovered with no discharge to the environment, is not subject to the discharge notification requirement.**

WDNR Notification

In the event of a release, **call the 24-hour spill hotline at 1-800-943-0003.**

If there is a release that could threaten human health outside the facility or if a spill reaches surface water, **immediately notify the National Response Center at (800) 424-8802.**

The Notification for Hazardous Substance Discharge Form – Non-Emergency Only (Form 4400-225) is now a web form accessible through the Submittal Portal (<https://dnr.wisconsin.gov/topic/Brownfields/Submittal.html>).

WDNR Spill Fact Sheet



EHS010 -
Emergency Respons

WDNR Spill Coordinators




EHS010 -
Emergency Respons

Regional Hazardous Material Response Team Map



Regional
Hazardous Material:

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	

Federal Reporting Requirements

A responsible party may also have to comply with other state and/or federal reporting requirements relating to the Emergency Planning and Community Right to Know Act (EPCRA) or the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Contact the CEO for assistance.

DOT Incident Reporting Requirements

The Hazardous Material Regulations require certain types of incidents to be reported to the Pipeline and Hazardous Materials Safety Administration (PHMSA) within specific periods of time depending on the hazardous material incident. See the DOT Guide for Preparing Hazardous Material Incident Reports.

DOT Guide for Preparing Hazardous Material Incident Reports (F5800.1)



DOT Hazardous Material Incident Re

Contingency Plan Activation Notification

In the event that the Emergency Management Plan is activated, a written report shall be submitted to the WDNR within 15-days of the incident. The written report should contain the minimum required information.



Immediate Reporting Required for Hazardous Substance Spills

If you are aware of a hazardous substance spill notify the Department of Natural Resources (DNR). State law requires the IMMEDIATE reporting of hazardous substance spills and other discharges to the environment.

**CALL 800-943-0003
TO REPORT SPILLS**

Use **DNR Form 4400-225** to report other hazardous substance discharges.



Other hazardous substance discharges discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples, including historical contamination and contamination caused by an ongoing long-term release, should be reported to the DNR by submitting the DNR web form *Notification for Hazardous Substance Discharge Form – Non-Emergency Only (Form 4400-225)*. Directions for accessing and submitting web form 4400-225 are available at <https://dnr.wisconsin.gov/topic/Brownfields/Submittal.html>.

- ✓ Report hazardous substance discharges as soon as visual or olfactory evidence confirms a discharge or laboratory data is available to document a discharge. Do not wait to complete a Phase II environmental assessment, or other similar report, to notify the DNR.

Reporting is everyone's responsibility

Individuals and entities that cause a hazardous substance spill or discharge to the environment are required by state law to notify the DNR immediately - as soon as the spill or discharge is identified. Individuals and entities that own or control property where the spill or discharge occurred must report the discharge immediately if it is not reported by the person or entity that caused the discharge.

For public health and safety, the DNR encourages everyone to report known hazardous substance discharges. Reporting a spill or other discharge, in itself, does not make a person or entity liable for the contamination.

Proper spill containment, cleanup, and disposal is always required

Every person/entity (including lenders and local governments) that causes a hazardous substance discharge, or owns or controls property at which a discharge occurred, must comply with the response action requirements in [Wis. Admin. Chs. NR 700 to 799](#). No spill or discharge is exempt from the duty to properly contain, clean up and dispose of the substance and associated contaminated media, such as soil, water and other affected materials.

Spill reporting exemptions

All spills must be cleaned up, but it is generally not necessary to report recent spills that are:

- less than 1 gallon of gasoline
- less than 5 gallons of any petroleum product other than gasoline
- any amount of gasoline or other petroleum product that is completely contained on an impervious surface
- individual discharges authorized by a permit or program approved under Wis. Stat. Chs. 289 - 299
- less than 25 gallons of liquid fertilizer
- less than 250 pounds of dry fertilizer
- pesticides that would cover less than 1 acre of land if applied according to label instructions
 - * NOTE: Reporting is required if the ongoing, long-term release or application of a permitted pesticide, fertilizer or other substance accumulates to levels that exceed current health or safety standards.
- less than the federal reportable quantities listed in 40 C.F.R. §§ 117 or 302
 - * NOTE: U.S. EPA (federal) spill reporting requirements are outlined on the internet at <https://www.epa.gov/emergency-response/when-are-you-required-report-oil-spill-and-hazardous-substance-release>.

Spill reporting exemptions do not apply (and reporting is required) when:

- the spilled substance has not evaporated or been cleaned up in accordance with Wis. Admin. chs. NR 700–799 the spilled substance is a potential fire, explosion or safety hazard
- the spilled substance causes, or threatens to cause, chronic or acute human health concerns
 - * NOTE: If you are unsure about potential human health effects, consult with local or state health officials.
- the spilled substance adversely impacts, or threatens to impact, the air, lands or waters of the state (as either a single discharge or when accumulated with past discharges) - even if the degree of the impact has not yet been thoroughly evaluated
 - * NOTE: If the substance causes sheen on surface water, has entered or is on the verge of entering the waters of the state, DNR will consider the spilled substance a threat to impact, or to have adversely impacted, waters of the state and reporting is required.

Terms, definitions, statutes and rules

Hazardous substance — Any substance that can cause harm to human health and safety, or the environment, because of where it is spilled, the amount spilled, its toxicity or its concentration. Even common products such as milk, butter, pickle juice, corn, beer, etc., may be considered a hazardous substance if discharged to a sensitive area.

Discharge — Spilling, leaking, pumping, pouring, emitting, emptying, dumping, etc., to land, air or water.

Spill — A discharge that is typically a one-time event or occurrence, and usually inadvertent.

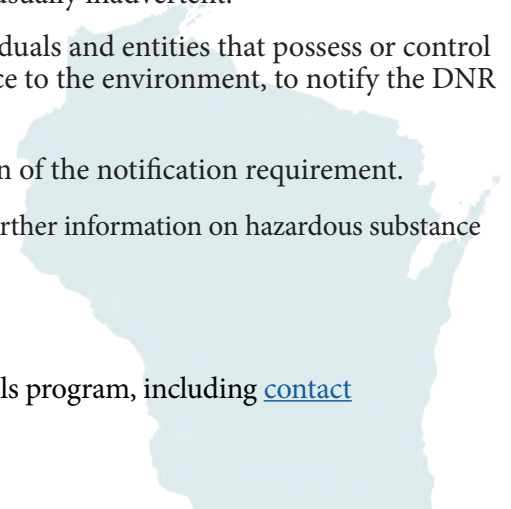
Wis. Stat. § 292.11(2) and Wis. Admin. § NR 706.05 — Require individuals and entities that possess or control a hazardous substance, or that cause the discharge of a hazardous substance to the environment, to notify the DNR immediately about the discharge.

Wis. Stat. § 292.99 — Authorizes penalties up to \$5,000 for each violation of the notification requirement.

Consult [Wis. Stat. Ch. 292](#) and [Wis. Admin. §§ 700 – 799](#), and dnr.wi.gov for further information on hazardous substance spill and discharge reporting, investigation and cleanup.

DNR contact information

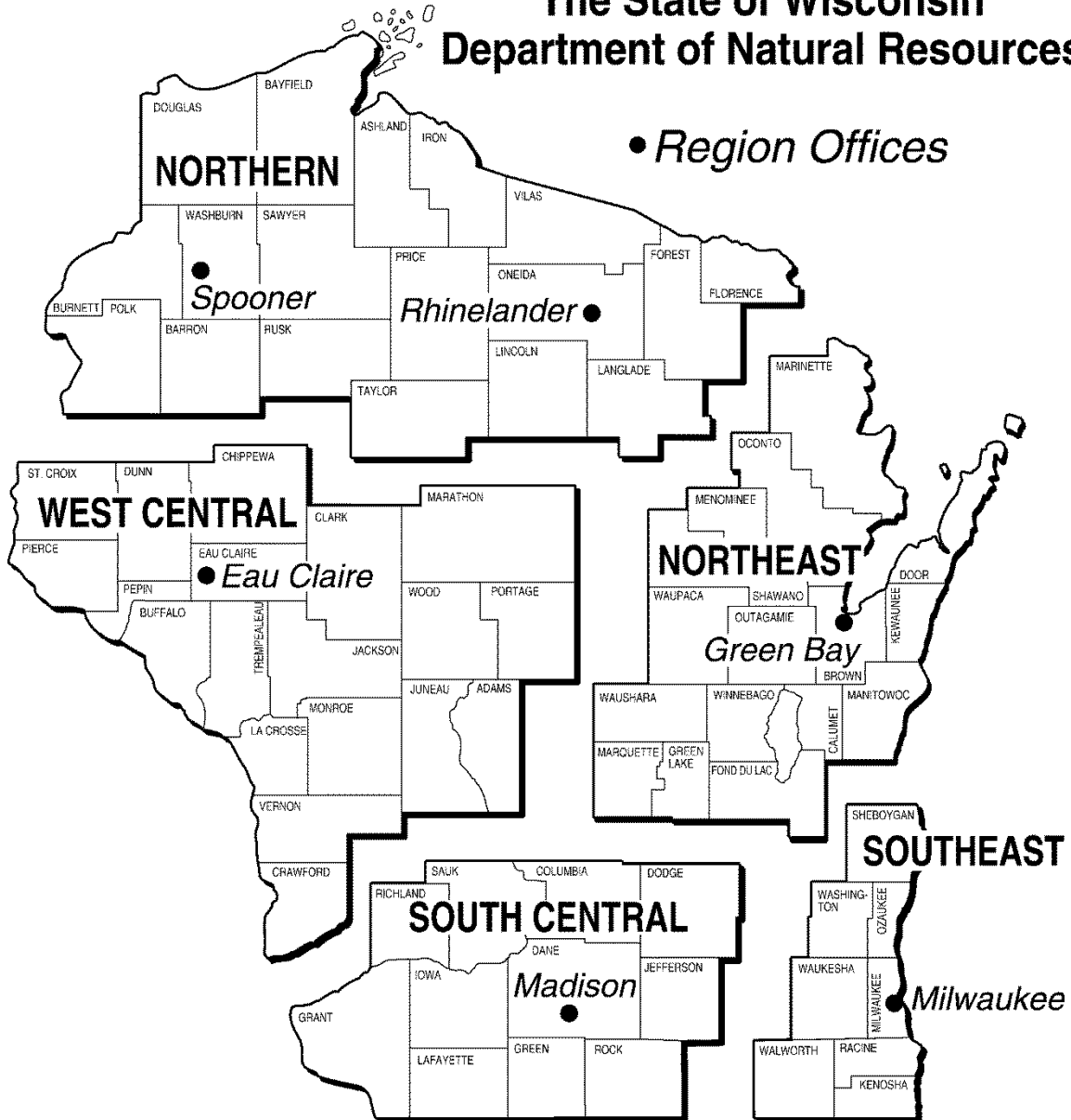
To report a discharge call 1-800-943-0003. For more information on the spills program, including [contact information](#), visit dnr.wi.gov, search “Spills”.



DNR Spill Coordinator Telephone Numbers

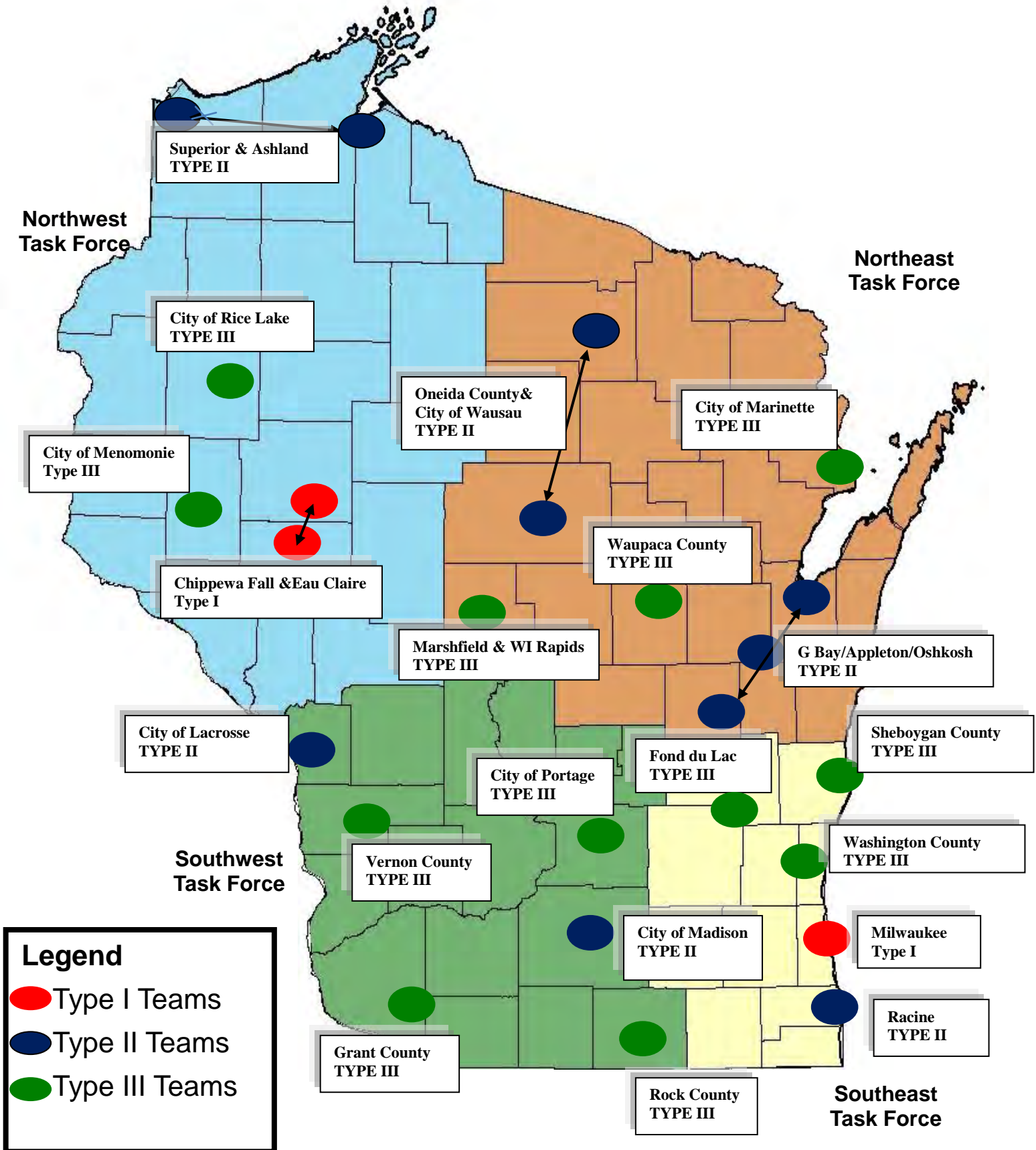
Name	Region	Office
24 Hour Hotline	Statewide	800-943-0003
Maizie Reif	Northeast	920-360-4291
Jeff Paddock	Northern	715-828-8544
Trevor Bannister	South Central	608-347-0058
Riley Neumann	Southeast	414-750-7030
Jayson Schrank	West Central	715-410-8841

The State of Wisconsin Department of Natural Resources



Wisconsin Department of Natural Resources
 P.O. Box 7921, Madison, WI 53707
dnr.wi.gov, search "spills"

Wisconsin Hazardous Materials Response System



Legend

- Type I Teams
- Type II Teams
- Type III Teams



U.S. Department
of Transportation

**Pipeline and
Hazardous Materials
Safety Administration**

Guide for Preparing Hazardous Materials Incidents Reports



Revised January 2004
Supersedes Previous Edition



U.S. Department
of Transportation

**Pipeline and
Hazardous Materials
Safety Administration**

Hazardous Materials Incident Reporting

CONTENTS

Overview

What Federal Regulation requires me to submit the Report?	1
What is the purpose of the Report?	1
Who must complete the Report?	1
What definitions should I know in order to complete the Report?	1
When must I submit a Written Report (DOT Form F 5800.1)?	2
When is a Report not required?	3
When must I make a Telephonic Report?	3
What telephone number do I call to make an Immediate Notification of a Hazardous Materials Incident?	3
How long do I have to submit the Written Report?	4
Am I required to update the information in the Report?	4
How and where do I submit my completed Report?	4
How long must I keep a copy of the Report?	4
Where must I keep a copy of the Report?	4
How can I get a blank copy of the DOT Form F 5800.1?	4
How long does it take to complete the Report?	4
How can I comment on the length of time needed to complete the Report or on the amount of information required in the Report?	4

Instructions: Completing DOT Form F 5800.1

Part I: Report Type	5
Part II: General Incident Information	5
Part III: Packaging Information	6
Part IV: Consequences	7
Part V: Air Incident Information	8
Part VI: Description of Events and Packaging Failure	8
Part VII: Recommendations/Actions Taken to Prevent Future Incidents	8
Part VIII: Contact Information	8

Failure Codes

Incident Reporting Requirements (Effective January, 2005)

Section 171.15 Immediate Notice of Certain Hazardous Materials Incidents.	11
Section 171.16 Detailed Hazardous Materials Incident Reports	11
Hazardous Materials Incident Report Form: DOT Form F 5800.1 (01-2004)	13

Overview

Hazardous Materials Incident Report

Department of Transportation Form F 5800.1

What Federal Regulation Requires Me To Submit the Report?

The Hazardous Materials Regulations (HMR; 49 CFR Parts 171-180) require certain types of incidents be reported to the Pipeline and Hazardous Materials Safety Administration (PHMSA). Section 171.15 of the HMR requires an immediate telephonic report (within 12 hours) of certain types of hazardous materials incidents. Section 171.16 requires a written report for certain types of hazardous materials incidents within 30 days of the incident, and a follow-up written report within one year of the incident, based on certain circumstances. Each type of report is explained below. (The full text of these sections is at the end of the instructions.)

What is the Purpose of the Report?

The information you are providing in this report is fundamental to hazardous material transportation risk analysis and risk management by government and industry. It allows us to better understand the causes and consequences of hazardous material transportation incidents. The data is used to identify trends and provide basic program performance measures. It helps to demonstrate the effectiveness of existing regulations and to identify areas where changes should be considered. It also assists all parties, including industry segments and individual companies, to understand the types and frequencies of incidents, what can go wrong, and possible measures that would prevent their recurrence. Your accurate and complete description of incidents can make a significant contribution to continual safety improvement through better regulations, cooperative partnerships, and individual efforts.

Who Must Complete the Report?

Any person in possession of a hazardous material during transportation, including loading, unloading and storage incidental to transportation, must report to the Department of Transportation (DOT) if certain conditions are met. This means that when the conditions apply for completing the report, the entity having physical control of the shipment is responsible for filling out and filing DOT Form F 5800.1.

Generally, the entity having physical control of the shipment during transportation will be the carrier. For incidents that occur when a hazardous material is stored temporarily during transportation, the entity in physical possession of the shipment may be a warehouse or similar storage facility.

Loading operations. Incidents that occur while a shipper is loading a hazardous material onto a transport vehicle or into a bulk packaging, such as a cargo tank, portable tank, or rail tank car, before the carrier arrives at the facility to pick up the shipment are not required to be reported because these incidents occur prior to the onset of transportation in commerce. Incidents that occur while the carrier that will be transporting the hazardous material is observing or participating in loading operations must be reported because the carrier is deemed to be in possession of the hazardous material at that point; thus, these incidents occur during transportation. For these incidents, the carrier must complete the report.

Unloading operations. Incidents that occur or are discovered while a consignee is unloading a hazardous material from a transport vehicle or bulk packaging after the carrier has delivered the material are not required to be reported because these incidents occur after transportation has ended. Incidents that occur while the carrier that delivered the hazardous material is observing or participating in unloading operations must be reported because the carrier is deemed to be in possession of the hazardous material at that point; thus, these incidents occur during transportation. For these incidents, the carrier must complete the report.

What Definitions Should I Know in Order to Complete the Report?

In order to accurately complete the report, you should be familiar with the following terms. A complete list of definitions is contained in § 171.8.

Bulk packaging—a packaging, other than a vessel or a barge, including a transport vehicle or freight container, in which hazardous materials are loaded with no in-

termediate form of containment and that has:

- (1) A maximum capacity greater than 450 liters (119 gallons) as a receptacle for a liquid;
- (2) A maximum net mass greater than 400 kilograms (822 pounds) and a maximum capacity greater than 450 liters (119 gallons) as a receptacle for a solid; or
- (3) A water capacity greater than 454 kilograms (1,000 pounds) as a receptacle for a gas as defined in § 173.115.

Cargo tank—a bulk packaging that is:

- (1) A tank intended primarily for the carriage of liquids or gases and includes appurtenances, reinforcements, fittings, and closures;
- (2) Permanently attached to or forms a part of a motor vehicle, or is not permanently attached to a motor vehicle but which, by reason of its size, construction, or attachment to a motor vehicle, is loaded or unloaded without being removed from the motor vehicle; and
- (3) Not fabricated under a specification for cylinders, intermediate bulk containers, multi-unit tank car tanks, portable tanks, or tank cars.

Hazardous material—a substance or material that has been determined to be capable of posing an unreasonable risk to health, safety, and property when transported in commerce, and that has been so designated. The term includes hazardous substances, hazardous wastes, marine pollutants, elevated temperature materials, materials designated as hazardous under the provisions of § 172.101, the Hazardous Materials Table (HMT), and materials that meet the defining criteria for hazard classes and divisions in Part 173.

Hazardous substance—a material, including its mixtures and solutions, that—

- (1) Is listed in Appendix A to § 172.101;
- (2) Is in a quantity, in one package, which equals or exceeds the reportable quantity (RQ) listed in Appendix A to § 172.101; and

Table 1 Reportable Quantities.

RQ pounds (kilograms)	Concentration by Weight	
	Percent	PPM
5000 (2270)	10	100,000
1000 (454)	2	20,000
100 (45.4)	0.2	2,000
10 (4.54)	0.02	200
1 (0.454)	0.002	20

- (3) When in a mixture or solution—
- For radionuclides, conforms to paragraph 7 of Appendix A to § 172.101.
 - For other than radionuclides, is in a concentration by weight which equals or exceeds the concentration corresponding to the RQ of the material, as shown in Table 1.

The term *hazardous substance* does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance in Appendix A to § 172.101, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas useable for fuel (or mixtures of natural gas and such synthetic gas).

Hazardous waste—any material that is subject to the Hazardous Waste Manifest Requirements of the U.S. Environmental Protection Agency specified in 40 CFR Part 262.

Loading incidental to movement—loading by carrier personnel or in the presence of carrier personnel of packaged or containerized hazardous material onto a transport vehicle, aircraft, or vessel for the purpose of transporting it, including the loading, blocking, and bracing of a hazardous materials package in a freight container or transport vehicle, and segregating a hazardous material in a freight container or transport vehicle from incompatible cargo. For a bulk packaging, *loading incidental to movement* means filling the packaging with a hazardous material for the purpose of transporting it. *Loading incidental to movement* includes transloading.

Marine pollutant—a material that is listed in Appendix B to § 172.101 (also see

§ 171.4) and, when in a solution or mixture of one or more marine pollutants, is packaged in a concentration that equals or exceeds:

- Ten percent by weight of the solution or mixture for materials listed in Appendix B; or
- One percent by weight of the solution or mixture for materials that are identified as severe marine pollutants in Appendix B.

Movement—the physical transfer of a hazardous material from one geographic location to another by rail car, aircraft, motor vehicle, or vessel.

Storage incidental to movement—storage of a transport vehicle, freight container, or package containing a hazardous material by any person between the time that a carrier takes physical possession of the hazardous material for the purpose of transporting it until the package containing the hazardous material is physically delivered to its destination.

Transloading—the transfer of a hazardous material from one bulk packaging to another bulk packaging, from a bulk packaging to a non-bulk packaging, or from a non-bulk packaging to a bulk packaging for the purpose of continuing the movement of the hazardous material in commerce.

Transportation—the movement of property and loading, unloading, or storage incidental to that movement.

Undeclared hazardous material—a hazardous material that is:

- Subject to any of the hazard communication requirements in subparts C (Shipping Papers), D (Marking), E (Labeling), and F (Placarding) of Part 172 of this subchapter, or an alternative marking requirement in Part 173 of this subchapter (such as §§ 173.4(a)(10) and 173.6(c)); and
- Offered for transportation in commerce without any visible indication to the person accepting the hazardous material for transportation that a hazardous material is present, on either an accompanying shipping document, or the outside of a transport vehicle, freight container, or package.

Unintentional release—the escape of a hazardous material from a package on an occasion not anticipated or planned. This includes releases resulting from collision, package failures, human error, criminal activity, negligence, improper packing, or unusual conditions such as the operation of pressure relief devices as a result of over-pressurization, overfill, or fire exposure. It does not include releases, such as venting of packages, where allowed, and the operational discharge of contents from packages.

Unloading incidental to movement—removing a packaged or containerized hazardous material from a transport vehicle, aircraft, or vessel, or, for a bulk packaging, emptying a hazardous material from the bulk packaging after the hazardous material has been delivered to the consignee when performed by carrier personnel or in the presence of carrier personnel.

Additionally, for purposes of reporting on this form, the following definitions apply:

Lading retention system—a lading retention system consists of those items or equipment that provide containment of hazardous materials at some point during transportation, including loading and unloading. The cargo tank shell, associated piping, and valves are an example of a lading retention system. Dents or damage to a tank requiring repair to an accident protection system guarding the tank are examples of incidents that must be reported. Paint chips and scratches to either the tank or the accident protection system are examples of incidents that do not require reporting.

Major transportation artery—a highway, main road or secondary road but not a side street or dirt road. In the case of rail, any rail line except a rail spur.

When Must I Submit a Written Report (DOT Form F 5800.1)?

Under § 171.16, you must submit a written report within 30 days after any of the following:

- An incident that was reported by telephonic notice under § 171.15;
- An unintentional release (see definitions) of a hazardous material during transportation including loading, unloading and temporary storage related to transportation;
- A hazardous waste is released;

Table 2 Examples to Clarify When to Report Structural Damage to a Specification Cargo Tank.

Incident Report Required	No Incident Report Required
Damage to an outlet valve that affects seating and requires replacement.	Handle broken or knocked off valve - but otherwise undamaged.
Serious damage that, if worse, could have resulted in the loss of the contents of the cargo tank. Damage to outlet lines that contain hazardous materials during transportation is in this category.	Serious damage that, even if worse, would not have resulted in the loss of the contents of the cargo tank. Damage to outlet lines that are normally not charged during transportation is in this category.
Cargo tank damage that requires professional inspection or recertification to ensure it is capable of meeting requirements.	Minor damage that obviously will not affect continuation of the cargo tank in service.
Cargo tank damage that requires immediate or subsequent repair because of questions about cargo tank integrity.	Cargo tank damage that requires repair for cosmetic reasons only.

- An undeclared shipment with no release is discovered; or
- A specification cargo tank 1,000 gallons or greater containing any hazardous materials that—
 - (1) Received structural damage to the lading retention system or damage that requires repair to a system intended to protect the lading retention system, and
 - (2) Did not have a release.

To clarify the requirement for a report based on structural damage to a specification cargo tank, Table 2 illustrates some examples.

When Is a Report Not Required?

You are not required to report a release of a hazardous material if **ALL** of the following apply:

- The shipment is not being offered for transportation or being transported by air;
- None of the criteria in § 171.15(a) applies;
- The material is not a hazardous waste;
- The material is properly classed as an ORM-D, or a Packing Group III material in Class or Division 3, 4, 5, 6.1, 8, or 9;
- Each package has a capacity of less than 20 liters (5.2 gallons) for liquids or less than 30 kg (66 pounds) for solids;
- The total aggregate release is less than 20 liters (5.2 gallons) for liquids or less than 30 kg (66 pounds) for solids;

- The material does not meet the definition of an undeclared hazardous material in § 171.8; and
- The shipment is an undeclared material discovered in an air passenger's checked or carry-on baggage during the airport screening process.

Also, you are not required to report releases of minimal amounts of material (i.e., a pint or less) released from the manual operation of seals of pumps, compressors, or valves, during the connecting or disconnecting of loading and unloading lines, or, for materials for which venting is authorized, from vents, provided these releases do not result in property damage or trigger any of the telephonic notifications requirements found in § 171.15.

When Must I Make a Telephonic Report?

Under § 171.15, you must provide **telephone notice within 12 hours** after the incident occurs when one of the following conditions occurs during the course of transportation and is a direct result of the hazardous material:

- A person is killed;
- A person receives an injury requiring admittance to a hospital;
- The general public is evacuated for one hour or more;
- One or more major transportation arteries or facilities are closed for one hour or more;

- The operational flight plan or routine of an aircraft is altered;
- Fire, breakage, spillage or suspected radioactive contamination occurs involving a radioactive material;
- Fire, breakage, spillage or suspected contamination occurs involving an infectious substance other than a diagnostic specimen or regulated medical waste;
- There is a release of a marine pollutant in a quantity exceeding 450 liters (119) gallons for liquids or 400 kilograms (882 pounds) for solids; or
- A situation exists of such a nature that in the judgment of the person in possession of the hazardous material, it should be reported to DOT's National Response Center (NRC) even though it does not meet the above criteria.

You may decide that the situation should be reported even though it does not meet any of the above criteria. Make sure that you request the NRC report number when you make your telephonic report.

What Telephone Number Do I Call to Make an Immediate Notification of a Hazardous Materials Incident?

You must call 800-424-8802 (toll-free) or 202-267-2675 (toll call) to make a telephonic incident report. This is the number to the NRC.

This call must be made within 12 hours of the events that trigger this requirement. If the incident involves an infectious substance, you may notify the Director, Center for Disease Control and Prevention (CDC), U.S. Public Health Service, Atlanta, Georgia, toll free at 800-232-0124. If a discrepancy of a shipment intended for air is discovered following its acceptance aboard aircraft, notify the nearest Federal Aviation Administration Civil Aviation Security Office as soon as practical.

How Long Do I Have to Submit the Written Report?

You must submit your written report within **30 days of discovery of the incident**, § 171.16(a).

Am I Required to Update the Information in the Report?

Yes. You must use DOT Form F 5800.1 and check the "A supplemental (follow-up) report" box on question #2 to provide additional information after the initial report. You are required to provide updates for up to one year after the initial filing if more information is gained or new developments arise concerning the following, for example:

- A death results from injuries caused by a hazardous material;
- The person responsible for preparing the original report learns that there is a misidentification of hazardous material or package information;
- Damage or loss or related costs that were not known at the time the report was filed become known; or
- Revised estimates of damages, losses, and related costs result in a change of \$25,000 or more, or 10% of the original cost estimates, whichever is greater, even if the original estimate was under \$500.

How and Where Do I Submit My Completed Report?

- You can mail paper copies of the report to the Information Systems Manager, U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration, Office of Hazardous Materials Safety, PHH-63, Washington, DC 20590-0001; or

- You can submit the report on-line at <http://hazmat.dot.gov>.

How Long Must I Keep a Copy of the Report?

You must keep a copy of each report or an electronic image of the report for two years after the date you submit it to PHMSA (§ 171.16(b)(3)).

Where Must I Keep a Copy of the Report?

The report must be accessible through your company's principal place(s) of business. You must be able to make the report available upon request to authorized representatives or a special agent of the Department within 24 hours of such a request (§ 171.16(b)(3)).

How Can I Get a Blank Copy of the DOT Form F 5800.1?

There are a variety of sources for obtaining the DOT Form F 5800.1. Please note that you are allowed to make unlimited photocopies of the form and distribute them.

- You may obtain limited copies of the form from the Information Systems Manager at the above address.
- You may download a copy of the form from our website at <http://hazmat.dot.gov/spills.htm>
- Our Fax on Demand service has copies of the instructions and the form. Call 800-467-4922 and choose the Fax on Demand option #2.

How Long Does It Take To Complete the Report?

PHMSA anticipates that it will take you approximately 1.6 hours to complete this report. This estimate includes the time it will take you to review the instructions, search your existing data sources for information, gather the required data, and complete and review the report.

How Can I Comment on the Length of Time Needed to Complete the Report or on the Amount of Information Required in the Report?

You can send your comments on the report, and any suggestions you have for reducing the amount of time needed to complete the report, to the following address:

- (1) Information Systems Manager, U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration, Office of Hazardous Materials Safety, PHH-63, Washington, DC 20590-0001.

Please verify that your information is accurate. Although the required information is generally available at the time of the incident, you may need to do some additional investigation in order to obtain all of the facts pertaining to deaths, injuries or damage amounts. If you submit complete and accurate information at the time you file the report, it will decrease the chance of your having to supply missing information to DOT at a later date. PHMSA may follow up on incomplete forms.

Instructions

Completing DOT Form F 5800.1

Please print. Fill in all applicable blanks accurately to the best of your ability.

Part I: Report Type

- (1) *This is to report:* Check the box that describes why you are filling out this form. This will normally be "A" A hazardous material incident." If you are reporting an undeclared shipment with no release, check the corresponding box, "B)." If you are reporting an incident involving a cargo tank motor vehicle containing a hazardous material that received structural damage to the lading retention system that may affect its ability to retain lading but does not release a hazardous material, check that appropriate box, "C)."
- (2) *Indicate what type of report this is:* If this is an initial report, check the "initial report" box. If this is a follow-up to a previous report, check the "A supplemental (follow-up) report" box. If you are using additional pages, check the "Additional Pages" box.

Part II: General Incident Information

- (3), (4) *Date & Time of Incident:* Enter the date and time the incident occurred. If you do not know the actual date and time, give the date and time you discovered the incident. Use 24-hour time for the incident time (e.g., "2400" for midnight, "1200" for noon, "0747" for 7:47 a.m., "2115" for 9:15 p.m.).
- (5) *Enter National Response Center Report Number:* If this incident was reported to the NRC, fill in the report number NRC assigned to the incident.
- (6) *If you submitted a report to another Federal DOT agency, enter the agency and report number:* If you were required to fill out a report for another federal agency such as the Federal Railroad Administration (FRA) or the Federal Motor Carrier Safety Administration (FMCSA) for this incident, please include the agency and report number. This will facilitate our combination of information.

- (7) *Location of Incident:* Enter the geographic location of the incident (city, county, state, and zip code). If you do not know the actual location where the incident occurred, give the location where it was discovered. If the incident occurred at an airport or rail yard, include the name of the facility. If the incident occurred on a body of water, include the name and/or river mile. If you do not know the street address, or if the incident occurred on a highway, include a description such as "On I-70, mile marker 240."
- (8) *Mode of Transportation:* Enter the code that corresponds to the mode of transportation in which the incident occurred or was discovered. If the incident occurred or was discovered in an in-transit storage area (e.g., a terminal or warehouse), check the box that corresponds to the mode by which the package was last transported.
- (9) *Transportation Phase:* Enter the code that describes where the incident occurred in the transportation system. In transit means the incident occurred or was first discovered while the package was in the process of being transported. In-transit storage is storage incidental to transportation, such as at a terminal waiting for the next leg of transportation.
- (10) *Carrier/Reporter:* Provide the name, street address, Federal DOT number (if applicable), and hazmat registration number of the carrier or the entity who is reporting the incident (if other than a carrier). The entity in physical possession of the material when the incident occurred or was discovered must report the incident.
- (11) *Shipper/Offeror:* Enter the information about the person or entity that originally offered for transportation the material or package involved in the incident.
- (12) *Origin:* Enter the origin of the shipment if the address is different than the shipper/offeror information entered in item #11.
- (13) *Destination:* Enter the final destination of the shipment involved in the incident.
- (14) through (19):
- Hazardous Material Description:* Enter the proper shipping name, technical or trade name, hazard class or division, ID number, packing group, and amount of material released. All of this information, except the amount of material released, can be found on the shipping papers that accompany the shipment, § 172.202. When indicating the amount of material released, include units of measurements (e.g.: 115 gallons, 69 tons).
- (20) *Was the material shipped as a hazardous waste?* Check the "Yes" box if the material meets the definition of a hazardous waste in § 171.8 (requires an EPA Uniform Hazardous Waste Manifest). Include the EPA Manifest number.
- (21) *Is this a Toxic by Inhalation (TIH) material?* If the material involved in the incident meets the definition of a Toxic by inhalation material in § 173.132, check the "Yes" box and enter the Hazard Zone in the space provided.
- (22) *Was the material shipped under an Exemption, Approval, or Competent Authority Certificate?* If the shipment was shipped under an exemption, an approval, or a Competent Authority Certificate, check the "Yes" box and provide the appropriate assigned number.
- (23) *Was this an undeclared hazardous materials shipment?* If this material was not indicated in any way to be a hazardous material even though it was required to be described as such on a shipping paper, or if the material would normally be exempted from the shipping paper requirements (such as a small quantity material) and does not have the required markings, it is considered an undeclared hazardous material shipment. Check the appropriate box.

Table 3 Non-bulk and IBC Packaging Identification Codes.

Non-Bulk Packaging		
Outer Packaging		
Type	Material	Head Type
1 Drum	A Steel	1 Non-removable
2 Wooden Barrel	B Aluminum	2 Removable
3 Jerrican	C Natural Wood	
4 Box	D Plywood	
5 Bag	F Reconstituted Wood	
6 Composite Packaging	G Fiberboard	
7 Pressure receptacle	H Plastic	
	L Textile	
	M Paper, multiwall	
	N Metal other than Steel or aluminum	
	P Glass, porcelain, or stoneware	
Inner Packaging		
1 Bottle	A Metal (any type)	
2 Can	B Glass, Porcelain, or stoneware	
3 Box	C Plastic	
4 Bag	D Fiberboard or cardboard	
5 Cylinder	E Wood (any type)	
IBC Packaging Identification Codes		
Material of Construction		
1 Metal	3 Composite	5 Wooden
2 Plastic	4 Fiberboard	6 Flexible

Part III: Packaging Information

- (24) *Packaging Type:* Check the box that corresponds to the type of packaging involved in the incident. If more than one packaging type was involved in an incident, reproduce Part III of the form and fill out this section for each of the packaging types. For example, if three different packaging types were involved in an incident, fill out a separate Part III for each packaging type. If the type of packaging is not represented, check the "Other" box and enter a brief description such as "non-specification bulk bin."
- (25) *Enter the appropriate failure codes (found at the end of the instructions):* Enter the codes that describe what failed on the packaging, how the packaging failed, and the cause(s) of the failure. Be sure to enter the codes from the list that corresponds to the particular packaging types checked above (#24). Enter the most important failure point in line 1. If there is a second failure point, enter in line 2. If there are more

than two failure points, provide additional information in this format in Part VI. The following explains the content of each line:

What Failed: You can enter up to 2 "What Failed" codes to describe the part of the packaging that fails and was the immediate cause of the release. Often, on a simple packaging, only one code will be required. On more complex packaging, additional entries will help identify where that failure occurred. The first entry should designate the specific point of failure, followed by entries that help identify where that failure occurred. For instance, a deteriorated gasket on a pipe flange on the liquid line would have failure code 121 for gasket entered first and failure code 118 for flange entered second.

How Failed: Enter the "Failure" code that describes how

the corresponding part of the packaging failed. The primary way the packaging failed should be entered first.

Cause(s) of Failure: Enter the "Cause of Failure" code that describes what caused the corresponding part of the packaging to fail in the way it did. The most probable or fundamental cause of failure should be entered first.

If none of the codes on the list fit exactly, use the closest match and provide additional detail in Part VI. Also, if you believe a better set of codes would be more descriptive of what failed, how it failed, and the causes of failure, suggest them in Part VII.

(26a) *Provide the complete packaging identification markings, if available:* Every specification packaging, UN or DOT, has a packaging identification printed or stamped on it or on a plate attached to the packaging. Examples are provided on the form.

(26b) *For Non-bulk, IBC, or non-specification packaging:* Only fill out 26b if the marking is incomplete, destroyed, or unknown. Fill in the Outer and Inner packaging type and Material of Construction information, as appropriate. If the packaging is non-bulk or Intermediate Bulk Container (IBC), use the codes in Table 3 to enter the number or letter that applies for either non-bulk or IBC packaging. For non-bulk, IBC or non-specification packaging provide a *description* of the packaging in the space(s) provided.

(27) *Describe the package capacity and the quantity:* Enter the total capacity of the inner and outer package. Also enter the actual amount of hazardous material that was shipped in the package, the number of packages in the shipment, and the number of packages that failed. Please include the units of measurement (liter, gallons, pounds, cubic feet, etc.)

(28) *Provide package construction and test information, as appropriate:* In the case of Non-bulk packagings

or IBCs enter the name of the packaging manufacturer or the symbol of the manufacturer *only if* complete identification markings were not provided in #26b. Enter the date of manufacture and the serial number, if applicable. Enter the last test date if the packaging requires periodic testing. Also include the design pressure, shell thickness, head thickness, and service pressure if the failed packagings are of the type indicated in parenthesis after each question. If the packaging contained a valve, or other device that failed and resulted in a hazardous material release, enter the valve or device type, manufacturer (if present and legible), and model number (if present and legible).

- (29) *If the package is for Radioactive Materials, complete the following:* Complete this question *only if* a radioactive material was involved. Indicate the packaging category, the packaging certification, certification number, and which nuclides were present, the transportation index (TI), activity of the nuclides, and the criticality safety index.

Part IV: Consequences

- (30) *Result of Incident:* Check all boxes that describe what occurred during the incident or as a result of the incident. For example, in a situation where a truckload of 55 gallon drums of corrosive liquids overturns resulting in a release that contaminates a nearby wetlands and stream the boxes "Spillage," "Material Entered Waterway/Storm Sewer," and "Environmental Damage" may apply.
- (31) *Emergency Response:* Check all boxes that correspond with any emergency response and cleanup crews that participated in resolving the incident. If a fire crew, EMS, or police unit responded to the incident, include the report number.
- (32) *Damages:* You are required to provide information on estimated damages if your damages exceed \$500.00. This figure includes the

cost of the material lost, property damage, vehicle damage, response costs, and clean-up costs. If you do not know these amounts at the time you complete the report, or the actual costs are revised by more than \$25,000, you must submit a follow-up report after you determine the amounts. The following definitions explain each of the costs:

Material Loss: Enter the value of material released and unrecoverable. Base this entry on the amount of material released multiplied by the unit value (e.g., price per gallon or price per pound) as listed on the shipper's invoice. If the invoice is not available, estimate the cost per unit using the shipper's basis.

Carrier Damage: Enter the total value of damage incurred by the carrier. Major components include costs to repair the damaged vehicle and costs resulting from damage to cargo. If the vehicle is declared "totaled," enter the insured value of the vehicle. This entry should not include damage to other property or to vehicles owned by other persons.

Property Damage: Enter the total value of costs resulting from damage to the property of others involved in the incident. These include: repair and replacement costs of other vehicles; repair and replacement costs to buildings and other fixed facilities; and restoration of open land beyond decontamination and cleanup.

Response Cost: Enter the total value of response costs. Response costs are those costs incurred immediately after the incident, and include local emergency response from police and fire departments and emergency response teams, as well as costs incurred by the responsible party. Response costs also include costs to contain the hazardous material released.

Remediation/Cleanup Cost: Enter the total value of the cost to cleanup and remediate the site. Cleanup costs are those costs incurred to collect, transport, and ultimately dispose of all material collected during the response phase. Remediation costs are those costs incurred to restore the incident scene to its pre-incident state, and could include excavation, disposal and replacement of contaminated soil, pumping, treatment and re-injection of contaminated groundwater, or absorption and disposal of hazardous material released into surface water.

- (33a) *Did the hazardous material cause or contribute to a human fatality?* If a person was fatally injured by contact with the hazardous material or its vapors or by a fire or explosion that resulted from the hazardous material, check the "Yes" box and enter the number of fatalities that resulted directly from the hazardous material.
- (33b) *Were there human fatalities that did not result from the hazardous material?* If the fatalities were not caused directly by the hazardous material, check the "Yes" box and enter the number of fatalities. An example: if a passenger car collided with a cargo tank carrying gasoline and the automobile driver was killed due to the collision, then the fatality was *not* caused by the hazardous material released. If, however, the accident resulted in the release of gasoline from the cargo tank and a resulting fire killed the automobile driver, then the fatality was caused by the hazardous material.
- (34) *Did the hazardous material cause or contribute to a personal injury?* If a person was injured by contact with the hazardous material or its vapors or by a fire or explosion that resulted from the hazardous material, check the "Yes" box and enter the number of persons injured by the hazardous material.

Hospitalized means *admitted* to a medical facility, not treated and released from a facility, such as a hospital emergency room, where the person was never admitted to the hospital proper. Non-hospitalized individuals are those who may have received attention from medical personnel on-site or at a facility (including hospital emergency room), but were not admitted to a medical facility. Indicate the number of injured employees, emergency responders (firefighters, police, medics, etc.) and members of the general public.

- (35) *Did the hazardous material cause or contribute to an evacuation?* If the incident required the evacuation or removal of persons from a specific area because of possible or actual contact with the hazardous materials involved in the incident, check the "Yes" box. Separately specify the numbers of individuals from the general public evacuated and number of employees of the facility or workers in the area that were evacuated. Also provide the total number of individuals evacuated. Indicate the duration of the evacuation (in hours).
- (36) *Was a transportation artery or facility closed?* If a road or transportation facility was closed due to the incident, check the "Yes" box and indicate the duration (in hours) here.
- (37) *Was the material involved in a crash or derailment?* Check the "Yes" box if a hazardous material was involved in a crash or derailment. Provide the estimated speed and weather conditions at the time of the crash, such as rain, blowing snow, sleet, iced roadway, sun glare, fog, dry pavement, high winds, etc. Indicate if the vehicle overturned or left the roadway or track.

Part V: Air Incident Information

This section is for incidents with packagings transported or intended for transportation by aircraft. If your packaging was not transported or intended to be transported by air, skip this section.

- (38) *Was the shipment on a passenger aircraft?* Indicate whether the shipment in question was on a commercial passenger aircraft. If so, indicate if the material was tendered (accepted for shipment) as cargo, or was located in a passenger's baggage, either in the cabin or baggage compartment.
- (39) *Where did the incident occur or where was the incident discovered?* Indicate where in the course of transportation the incident occurred or was discovered.
- (40) *What phase(s) had the shipment already undergone prior to the incident?* Check all boxes that describe the transportation phases the shipment went through before the incident occurred or was discovered.

Part VI: Description of Events and Packaging Failure

Please describe the events involved in the incident to provide us with a better understanding of the incident. Include information that has not been collected elsewhere on this form, and include special scenarios, outstanding circumstances, or other information that provides a complete picture of the incident. Describe the sequence of events that led to the incident, the package failure (if any) and actions taken at the time of discovery. Submit photographs and diagrams when necessary for clarification. You may continue on additional sheets if necessary.

Part VII: Recommendations/ Actions Taken to Prevent Future Incidents

Recommendations may be preliminary in nature, may suggest actions by other parties, and may be subject to further investigation, refinement, acceptance, or rejection. Often, it may be beyond the ability of the preparer to offer recommendations, but where such recommendations can be made they have the potential of resulting in important improvements with safety benefits. For instance, such information can help companies identify common problems and alert the DOT to the need for additional measures such as outreach or broad training needs. This information can also help support regulatory changes.

Part VIII: Contact Information

Provide the name, title, telephone number, fax number, business name and address, hazmat registration number and email address of the contact person at your company who can answer questions about the information provided on this form. Make sure to check the box that describes the function of your firm: carrier, shipper, facility owner/operator, or other. If "Other" is checked, describe the function.

Failure Codes for All Packaging Types—Complete List

Code	What Failed	Code	How Failed
101	Air Inlet	301	Abraded
102	Auxiliary Valve	302	Bent
103	Basic Material	303	Burst or Ruptured
104	Body	304	Cracked
105	Bolts or Nuts	305	Crushed
106	Bottom Outlet Valve	306	Failed to Operate
107	Check Valve	307	Gouged or Cut
108	Chime	308	Leaked
109	Closure (e.g., Cap, Top, or Plug)	309	Punctured
110	Cover	310	Ripped or Torn
111	Cylinder Neck or Shoulder	311	Structural
112	Cylinder Sidewall - Near Base	312	Torn Off or Damaged
113	Cylinder Sidewall - Other	313	Vented
114	Cylinder Valve		
115	Discharge Valve or Coupling	Code	Cause(s) of Failure
116	Excess Flow Valve	501	Abrasion
117	Fill Hole	502	Broken Component or Device
118	Flange	503	Commodity Self-ignition
119	Frangible Disc	504	Commodity Polymerization
120	Fusible Pressure Relief Device or Element	505	Conveyer or Material Handling Equipment Mishap
121	Gasket	506	Corrosion - Exterior
122	Gauging Device	507	Corrosion - Interior
123	Heater Coil	508	Defective Component or Device
124	High Level Sensor	509	Derailment
125	Hose	510	Deterioration or Aging
126	Hose Adaptor or Coupling	511	Dropped
127	Inlet (Loading) Valve	512	Fire, Temperature, or Heat
128	Inner Packaging	513	Forklift Accident
129	Inner Receptacle	514	Freezing
130	Lifting Feature	515	Human Error
131	Lifting Lug	516	Impact with Sharp or Protruding Object (e.g., nails)
132	Liner	517	Improper Preparation for Transportation
133	Liquid Line		
134	Liquid Valve	518	Inadequate Accident Damage Protection
135	Loading or Unloading Lines		
136	Locking Bar	519	Inadequate Blocking and Bracing
137	Manway or Dome Cover	520	Inadequate Maintenance
138	Mounting Studs	521	Inadequate Preparation for Transportation
139	O-Ring or Seals		
140	Outer Frame	522	Inadequate Procedures
141	Piping or Fittings	523	Inadequate Training
142	Piping Shear Section	524	Incompatible Product
143	Pressure Relief Valve or Device - Non-Reclosing	525	Incorrectly Sized Component or Device
144	Pressure Relief Valve or Device -Reclosing	526	Loose Closure, Component, or Device
145	Remote Control Device		
146	Sample Line	527	Misaligned Material, Component, or Device
147	Stub Sill (Tank Car)		
148	Sump	528	Missing Component or Device
149	Tank Head	529	Overfilled
150	Tank Shell	530	Over-pressurized
151	Thermometer Well	531	Rollover Accident
152	Threaded Connection	532	Stub Sill Separation from Tank (Tank Cars)
153	Vacuum Relief Valve		
154	Valve Body	533	Threads Worn or Cross Threaded
155	Valve Seat	534	Too Much Weight on Package
156	Valve Spring	535	Valve Open
157	Valve Stem	536	Vandalism
158	Vapor Valve	537	Vehicular Crash or Accident Damage
159	Vent		
160	Washout	538	Water Damage
161	Weld or Seam		

Failure Codes by Packaging Type General Non-bulk and IBCs

Code	What Failed
103	Basic Material
104	Body
105	Bolts or Nuts
108	Chime
109	Closure (e.g., Cap, Top, or Plug)
110	Cover
119	Frangible Disc
120	Fusible Pressure Relief Device or Element
121	Gasket
125	Hose
128	Inner Packaging
129	Inner Receptacle
130	Lifting Feature
132	Liner
140	Outer Frame
143	Pressure Relief Valve or Device - Non-Reclosing
144	Pressure Relief Valve or Device - Reclosing
161	Weld or Seam

Code How Failed

301	Abraded
302	Bent
303	Burst or Ruptured
304	Cracked
305	Crushed
306	Failed to Operate
307	Gouged or Cut
308	Leaked
309	Punctured
310	Ripped or Torn
311	Structural
312	Torn Off or Damaged
313	Vented

Code Cause(s) of Failure

501	Abrasion
503	Commodity Self-ignition
504	Commodity Polymerization
505	Conveyer or Material Handling Equipment Mishap
506	Corrosion - Exterior
507	Corrosion - Interior
508	Defective Component or Device
510	Deterioration or Aging
511	Dropped
513	Forklift Accident
514	Freezing
515	Human Error
516	Impact with Sharp or Protruding Object (e.g., nails)
517	Improper Preparation for Transportation
521	Inadequate Preparation for Transportation
522	Inadequate Procedures
523	Inadequate Training
529	Overfilled
530	Overpressurized
534	Too Much Weight on Package
535	Valve Open
536	Vandalism
537	Vehicular Crash or Accident Damage
538	Water Damage

Failure Codes by Packaging Type (continued)**Cylinders****Code What Failed**

111	Cylinder Neck or Shoulder
112	Cylinder Sidewall - Near Base
113	Cylinder Sidewall - Other
114	Cylinder Valve
119	Frangible Disc
120	Fusible Pressure Relief Device or Element
122	Gauging Device
132	Liner
143	Pressure Relief Valve or Device - Non-Reclosing
144	Pressure Relief Valve or Device - Reclosing
161	Weld or Seam

Code How Failed

301	Abraded
303	Burst or Ruptured
304	Cracked
306	Failed to Operate
307	Gouged or Cut
308	Leaked
309	Punctured
313	Vented

Code Cause(s) of Failure

501	Abrasion
502	Broken Component or Device
503	Commodity Self-ignition
504	Commodity Polymerization
505	Conveyer or Material Handling Equipment Mishap
506	Corrosion - Exterior
507	Corrosion - Interior
508	Defective Component or Device
510	Deterioration or Aging
512	Fire, Temperature, or Heat
513	Forklift Accident
514	Freezing
515	Human Error
516	Impact with Sharp or Protruding Object (e.g., nails)
517	Improper Preparation for Transportation
519	Inadequate Blocking and Bracing
520	Inadequate Maintenance
521	Inadequate Preparation for Transportation
522	Inadequate Procedures
523	Inadequate Training
524	Incompatible Product
525	Incorrectly Sized Component or Device
526	Loose Closure, Component, or Device
527	Misaligned Material, Component, or Device
528	Missing Component or Device
529	Overfilled
530	Over-pressurized
535	Valve Open
536	Vandalism
537	Vehicular Crash or Accident Damage

Portable Tanks**Code What Failed**

105	Bolts or Nuts
106	Bottom Outlet Valve
107	Check Valve
108	Chime
109	Closure (e.g., Cap, Top, or Plug)
110	Cover
119	Frangible Disc
120	Fusible Pressure Relief Device or Element
121	Gasket
122	Gauging Device
125	Hose
127	Inlet (Loading) Valve
131	Lifting Lug
132	Liner
135	Loading or Unloading Lines
137	Manway or Dome Cover
140	Outer Frame
141	Piping or Fittings
143	Pressure Relief Valve or Device - Non-Reclosing
144	Pressure Relief Valve or Device - Reclosing
152	Threaded Connection
153	Vacuum Relief Valve
161	Weld or Seam

Code How Failed

301	Abraded
302	Bent
303	Burst or Ruptured
304	Cracked
305	Crushed
306	Failed to Operate
307	Gouged or Cut
308	Leaked
309	Punctured
310	Ripped or Torn
312	Torn Off or Damaged
313	Vented

Code Cause(s) of Failure

501	Abrasion
502	Broken Component or Device
503	Commodity Self-ignition
504	Commodity Polymerization
505	Conveyer or Material Handling Equipment Mishap
506	Corrosion - Exterior
507	Corrosion - Interior
508	Defective Component or Device
509	Derailment
510	Deterioration or Aging
511	Dropped
512	Fire, Temperature, or Heat
514	Freezing
515	Human Error
517	Improper Preparation for Transportation
520	Inadequate Maintenance
521	Inadequate Preparation for Transportation
522	Inadequate Procedures
523	Inadequate Training
524	Incompatible Product
525	Incorrectly Sized Component or Device
526	Loose Closure, Component, or Device
527	Misaligned Material, Component, or Device
528	Missing Component or Device
529	Overfilled
530	Overpressurized
531	Rollover Accident
536	Vandalism
537	Vehicular Crash or Accident Damage

Bulk Tank Vehicles—Cargo Tank Motor Vehicles (CTMV) and Tank Cars**Code What Failed**

101	Air Inlet
105	Bolts or Nuts
106	Bottom Outlet Valve
107	Check Valve
110	Cover
115	Discharge Valve or Coupling
116	Excess Flow Valve
117	Fill Hole
118	Flange
119	Frangible Disc
120	Fusible Pressure Relief Device or Element
121	Gasket
122	Gauging Device
123	Heater Coil
124	High Level Sensor
125	Hose
126	Hose Adaptor or Coupling
127	Inlet (Loading) Valve
131	Lifting Lug
132	Liner
133	Liquid Line
134	Liquid Valve
135	Loading or Unloading Lines
136	Locking Bar
137	Manway or Dome Cover
138	Mounting Studs
139	O-Ring or Seals
141	Piping or Fittings
142	Piping Shear Section
143	Pressure Relief Valve or Device - Non-Reclosing
144	Pressure Relief Valve or Device - Reclosing
145	Remote Control Device
146	Sample Line
147	Sub Sill (Tank Car)
148	Sump
149	Tank Head
150	Tank Shell
151	Thermometer Well
152	Threaded Connection
153	Vacuum Relief Valve
154	Valve Body
155	Valve Seat
156	Valve Spring
157	Valve Stem
158	Vapor Valve
159	Vent
160	Washout
161	Weld or Seam

Code How Failed

301	Abraded
302	Bent
303	Burst or Ruptured
304	Cracked
305	Crushed
306	Failed to Operate
307	Gouged or Cut
308	Leaked
309	Punctured
310	Ripped or Torn
311	Structural
312	Torn Off or Damaged
313	Vented

Code Cause(s) of Failure

501	Abrasion
502	Broken Component or Device
503	Commodity Self-ignition
504	Commodity Polymerization

(Continued on next page)

**Failure Codes by Packaging Type
Bulk Tank Vehicles—Cargo Tank
Motor Vehicles (CTMV) and Tank Cars
Code Cause(s) of Failure**

505	Conveyer or Material Handling Equipment Mishap
506	Corrosion - Exterior
507	Corrosion - Interior
508	Defective Component or Device
509	Derailment
510	Deterioration or Aging
511	Dropped
512	Fire, Temperature, or Heat
515	Human Error
517	Improper Preparation for Transportation
518	Inadequate Accident Damage Protection
519	Inadequate Blocking and Bracing
520	Inadequate Maintenance
521	Inadequate Preparation for Transportation
522	Inadequate Procedures
523	Inadequate Training
524	Incompatible Product
525	Incorrectly Sized Component or Device
526	Loose Closure, Component, or Device
527	Misaligned Material, Component, or Device
528	Missing Component or Device
529	Overfilled
530	Overpressurized
531	Rollover Accident
532	Stub Sill Separation from Tank (Tank Cars)
533	Threads Worn or Cross Threaded
536	Vandalism
537	Vehicular Crash or Accident Damage

**Incident Reporting
Requirements**

§ 171.15 Immediate notice of certain hazardous materials incidents.

(a) General. As soon as practical but no later than 12 hours after the occurrence of any incident described in paragraph (b) of this section, each person in physical possession of the hazardous material must provide notice by telephone to the National Response Center (NRC) on 800-424-8802 (toll free) or 202-267-2675 (toll call). Notice involving an infectious substance (etiologic agent) may be given to the Director, Centers for Disease Control and Prevention (CDC), U.S. Public Health Service, Atlanta, Ga., 800-232-0124 (toll free), in place of notice to the NRC. Each notice must include the following information:

- (1) Name of reporter;
- (2) Name and address of person represented by reporter;
- (3) Phone number where reporter can be contacted;
- (4) Date, time, and location of incident;
- (5) The extent of injury, if any;
- (6) Class or division, proper shipping name, and quantity of hazardous materials involved, if such information is available; and
- (7) Type of incident and nature of hazardous material involvement and whether a continuing danger to life exists at the scene.

(b) Reportable Incident. A telephone report is required whenever any of the following occurs during the course of transportation in commerce (including loading, unloading, and temporary storage):

- (1) As a direct result of a hazardous material—
 - (i) A person is killed;
 - (ii) A person receives an injury requiring admittance to a hospital;
 - (iii) The general public is evacuated for one hour or more;
 - (iv) A major transportation artery or facility is closed or shut down for one hour or more; or
 - (v) The operational flight pattern or routine of an aircraft is altered;
- (2) Fire, breakage, spillage, or suspected radioactive contamination occurs involving a radioactive material (see also § 176.48 of this subchapter);

- (3) Fire, breakage, spillage, or suspected contamination occurs involving an infectious substance other than a diagnostic specimen or regulated medical waste;
- (4) A release of a marine pollutant occurs in a quantity exceeding 450 L (119 gallons) for a liquid or 400 kg (882 pounds) for a solid; or
- (5) A situation exists of such a nature (e.g., a continuing danger to life exists at the scene of the incident) that, in the judgment of the person in possession of the hazardous material, it should be reported to the NRC even though it does not meet the criteria of paragraph (b) (1), (2), (3) or (4) of this section.

(c) Written report. Each person making a report under this section must also make the report required by § 171.16 of this Subpart.

Note to § 171.15: Under 40 CFR 302.6, EPA requires persons in charge of facilities (including transport vehicles, vessels, and aircraft) to report any release of a hazardous substance in a quantity equal to or greater than its reportable quantity, as soon as that person has knowledge of the release, to DOT's National Response Center at (toll-free) 800-424-8802 or (toll) 202-267-2675.

§ 171.16 Detailed hazardous materials incident reports.

(a) General. Each person in physical possession of a hazardous material at the time that any of the following incidents occurs during transportation (including loading, unloading, and temporary storage) must submit a Hazardous Materials Incident Report on DOT Form F 5800.1 (01-2004) within 30 days of discovery of the incident:

- (1) Any of the circumstances set forth in § 171.15(b);
- (2) An unintentional release of a hazardous material or the discharge of any quantity of hazardous waste;
- (3) A specification cargo tank with a capacity of 1,000 gallons or greater containing any hazardous material suffers structural damage to the lading retention system or damage that requires repair to a system intended to protect the lading retention system, even if there is no release of hazardous material; or
- (4) An undeclared hazardous material is discovered.

(b) Providing and retaining copies of the report.

Each person reporting under this section must—

(1) Submit a written Hazardous Materials Incident Report to the Information Systems Manager, PHH-63, Pipeline and Hazardous Materials Safety, Department of Transportation, Washington, DC 20590-0001, or an electronic Hazardous Material Incident Report to the Information System Manager, PHH-63, Pipeline and Hazardous Materials Safety Administration, Department of Transportation, Washington, DC 20590-0001 at <http://hazmat.dot.gov>;

(2) For an incident involving transportation by aircraft, submit a written or electronic copy of the Hazardous Materials Incident Report to the FAA Security Field Office nearest the location of the incident; and

(3) Retain a written or electronic copy of the Hazardous Materials Incident Report for a period of two years at the reporting person's principal place of business. If the written or electronic Hazardous Materials Incident Report is maintained at other than the reporting person's principal place of business, the report must be made available at the reporting person's principal place of business within 24 hours of a request for the report by an authorized representative or special agent of the Department of Transportation.

(c) Updating the incident report.

A Hazardous Materials Incident Report must be updated within one year of the date of occurrence of the incident whenever:

(1) A death results from injury caused by a hazardous material;

(2) There was a misidentification of the hazardous material or packaging information on a prior incident report;

(3) Damage, loss or related cost that was not known when the initial incident report was filed becomes known; or

(4) Damage, loss, or related cost changes by \$25,000 or more, or 10% of the prior total estimate, whichever is greater.

(d) Exceptions. Unless a telephone report is required under the provisions of § 171.15 of this part, the requirements

of paragraphs (a), (b), and (c) of this section do not apply to the following incidents:

(1) A release of a minimal amount of material from—

(i) a vent, for materials for which venting is authorized;

(ii) the routine operation of a seal, pump, compressor, or valve; or

(iii) connection or disconnection of loading or unloading lines, provided that the release does not result in property damage.

(2) An unintentional release of hazardous material when:

(i) The material is properly classed as—

(A) ORM-D; or

(B) a Packing Group III material in Class or Division 3, 4, 5, 6.1, 8, or 9;

(ii) Each packaging has a capacity of less than 20 liters (5.2 gallons) for liquids or less than 30 kg (66 pounds) for solids;

(iii) The total aggregate release is less than 20 liters (5.2 gallons) for liquids or less than 30 kg (66 pounds) for solids; and

(iv) The material is not—

(A) offered for transportation or transported by aircraft,

(B) a hazardous waste, or

(C) an undeclared hazardous material.

(3) An undeclared hazardous material discovered in an air passenger's checked or carry-on baggage during the airport screening process. (For discrepancy reporting by carriers, see § 175.31 of this subchapter.)



Hazardous Materials Incident Report

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 2137-0039. The filling out of this information is mandatory and will take 96 minutes to complete.

INSTRUCTIONS: Submit this report to the Information Systems Manager, U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration, Office of Hazardous Materials Safety, DHM-63, Washington, D.C. 20590-0001. If space provided for any item is inadequate, use a separate sheet of paper, identifying the entry number being completed. Copies of this form and instructions can be obtained from the Office of Hazardous Materials Website at <http://hazmat.dot.gov>. If you have any questions, you can contact the Hazardous Materials Information Center at 1-800-HMR-4922 (1-800-467-4922) or online at <http://hazmat.dot.gov>.

PART I - REPORT TYPE

1. This is to report: **A) A hazardous material incident** **B) An undeclared shipment with no release**
 C) A specification cargo tank 1,000 gallons or greater containing any hazardous materials that (1) received structural damage to the lading retention system or damage that requires repair to a system intended to protect the lading retention system and (2) did not have a release.
2. Indicate whether this is: An initial report A supplemental (follow-up) report Additional Pages

PART II - GENERAL INCIDENT INFORMATION

3. Date of Incident: _____ 4. Time of Incident (use 24-hour time): _____
5. Enter National Response Center Report Number (if applicable): _____
6. If you submitted a report to another Federal DOT agency, enter the agency and report number: _____
7. Location of Incident: City: _____ County: _____ State: _____ ZIP Code (if known): _____
 Street Address/Mile Marker/Yardname/Airport/Body of Water/River Mile _____
8. Mode of Transportation Air Highway Rail Water
9. Transportation Phase In Transit Loading Unloading In Transit Storage
10. Carrier/Reporter Name _____
 Street _____
 City _____ State _____ ZIP Code _____
 Federal DOT ID Number _____ Hazmat Registration Number _____
11. Shipper/Offeror Name _____
 Street _____
 City _____ State _____ ZIP Code _____
 Waybill/Shipping Paper _____ Hazmat Registration Number _____
12. Origin (if different from shipper address) Street _____
 City _____ State _____ ZIP Code _____
13. Destination Street _____
 City _____ State _____ ZIP Code _____
14. Proper Shipping Name of Hazardous Material: _____
15. Technical/Trade Name: _____
- | | | | |
|---|---|--|--|
| 16. Hazardous Class/
Division: _____ | 17. Identification
Number: _____
(E.g. UN2764, NA 2020) | 18. Packing
Group: _____
(if applicable) | 19. Quantity
Released: _____
(Include Measurement Units) |
|---|---|--|--|
20. Was the material shipped as a hazardous waste? Yes No If yes, provide the EPA Manifest Number: _____
21. Is this a Toxic by Inhalation (TIH) material? Yes No If yes, provide the Hazard Zone: _____
22. Was the material shipped under an Exemption, Approval, or Competent Authority Certificate? Yes No
 If yes, provide the Exemption, Approval, or CA number: _____
23. Was this an undeclared hazardous materials shipment? Yes No

PART III - PACKAGING INFORMATION

24. Check Packaging Type (check only one - if more than one, list type of packaging, copy Part III, and complete for each type:

- Non-bulk IBC Cargo tank Motor Vehicle (CTMV) Tank Car
 Cylinder RAM Portable Tank Other _____

25. See instructions and enter the appropriate failure codes found at the end of the instructions. Be sure to enter the codes from the list that corresponds to the particular packaging type checked above. Enter the number of codes as appropriate to describe the incident. Enter the most important failure point in line 1. If there are more than two failure points, provide in this format in part VI.

1. What Failed: _____ How Failed: _____ Causes of Failure: _____
2. What Failed: _____ How Failed: _____ Causes of Failure: _____

26a. Provide the packaging identification markings, if available.

Identification Markings: _____

(Examples: 1A1/Y1.4/150/92/USA/RB/93/RL, UN31H1/Y0493/USA/M9339/10800/1200, DOT - 105A - 100W (RAIL), DOT 406 (HIGHWAY), DOT 51, DOT 3-A)

26b. For Non-bulk, IBC, or non-specification packaging, if identification markings are incomplete or unavailable, see instructions and complete the following:

Single Package or Outer Packaging:

Packaging Type: _____

Material of Construction: _____

Head Type (Drums only): Removable Non - Removable

Single Package or Inner Packaging (if any):

Packaging Type: _____

Material of Construction: _____

27. Describe the package capacity and the quantity:

Single Package or Outer Packaging:

Package Capacity: _____

Amount in Package: _____

Number in Shipment: _____

Number Failed: _____

Single Package or Inner Packaging (if any):

Package Capacity: _____

Amount in Package: _____

Number in Shipment: _____

Number Failed: _____

28. Provide packaging construction and test information, as appropriate:

Manufacturer: _____

Manufacture Date: _____

Serial Number: _____

Last Test Date: _____

Material of Construction: _____ (if Tank Car, CTMV, Portable Tank, or Cylinder)

Design Pressure: _____ (if Tank Car, CTMV, Portable Tank)

Shell Thickness: _____ (if Tank Car, CTMV, Portable Tank)

Head Thickness: _____ (if Tank Car, CTMV)

Service Pressure: _____ (if Cylinder)

If valve or device failed:

Type: _____ Manufacturer: _____ Model: _____
(if present and legible) (if present and legible)

29. If the packaging is for Radioactive Materials, complete the following:

Packaging Category: Type A Type B Type C Excepted Industrial

Packaging Certification: Self Certified U.S. Certification Certification Number _____

Nuclide(s) Present: _____ Transport Index: _____

Activity: _____ Critical Safety Index: _____

PART IV - CONSEQUENCES

30. Result of Incident (check all that apply): Spillage Fire Explosion Material Entered Waterway/Storm Sewer
 Vapor (Gas) Dispersion Environmental Damage No Release

31. Emergency Response : The following entities responded to the incident: (Check all that apply)

Fire/EMS Report # _____ Police Report # _____ In-house cleanup Other Cleanup

32. Damages: Was the total damage cost more than \$500? Yes No

If yes, enter the following information: If no, go to question 33.

Material Loss: _____ Carrier Damage: _____ Property Damage: _____ Response Cost: _____ Remediation/Cleanup Cost: _____
\$ _____ \$ _____ \$ _____ \$ _____ \$ _____

(See damage definitions in the instructions)

33a. Did the hazardous material cause or contribute to a human fatality? Yes No

If yes, enter the number of fatalities resulting from the hazardous material:

Fatalities: _____ Employees _____ Responders _____ General Public _____

33b. Were there human fatalities that did not result from the hazardous material? Yes No If yes, how many? _____

34. Did the hazardous material cause or contribute to personal injury? Yes No

If yes, enter the number of injuries resulting from the hazardous material:

Hospitalized (Admitted Only): _____ Employees _____ Responders _____ General Public _____

Non-Hospitalized: _____ Employees _____ Responders _____ General Public _____

(e.g.: On site first aid or Emergency Room observation and release)

35. Did the hazardous material cause or contribute to an evacuation? Yes No

If yes, provide the following information:

Total number of general public evacuated _____ Total number of employees evacuated _____ Total Evacuated _____

Duration of the evacuation _____ (hours)

36. Was a major transportation artery or facility closed? Yes No If yes, how many? _____ (hours)

37. Was the material involved in a crash or derailment? Yes No

If yes, provide the following information: Estimated speed (mph): _____ Weather conditions: _____

Vehicle overturn? Yes No

Vehicle left roadway/track? Yes No

PART V - AIR INCIDENT INFORMATION (please refer to § 175.31 to report a discrepancy for air shipments)

38. Was the shipment on a passenger aircraft? Yes No

If yes, was it tendered as cargo, or as passenger baggage?

Cargo Passenger baggage

39. Where did the incident occur (if unknown, check the appropriate box for the location where the incident was discovered)?

Air carrier cargo facility Sort center Baggage area

By surface to/from airport During flight During loading/unloading of aircraft

40. What phase(s) had the shipment already undergone prior to the incident? (Check all that apply)

Shipment had not been transported Transported by air (first flight) Transport by air (subsequent flights)

Initial transport by highway to cargo facility Transfer at sort center/cargo facility

PART VI - DESCRIPTION OF EVENTS & PACKAGE FAILURE


Describe the sequence of events that led to the incident and the actions taken at the time it was discovered. Describe the package failure, including the size and location of holes, cracks, etc. Photographs and diagrams should be submitted if needed for clarification. Estimate the duration of the release, if possible. Describe what was done to mitigate the effects of the release. Continue on additional sheets if necessary.

PART VII - RECOMMENDATIONS/ACTIONS TAKEN TO PREVENT RECURRENCE

Where you are able to do so, suggest or describe changes (such as additional training, use of better packaging, or improved operating procedures) to help prevent recurrence. Provide recommendations for improvement to hazardous materials transportation beyond the control of your individual company. Continue on additional sheets if necessary.

PART VIII- CONTACT INFORMATION

Contact's Name (Type or Print): _____ Telephone Number: () _____
Contact's Title: _____ Fax Number: () _____
Business Name and Address: _____ Hazmat Registration Number (if not already provided): _____
E-mail Address: _____ Date: _____
Preparer is: Carrier Shipper Facility Other _____

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	

**APPENDIX I
EMERGENCY MANAGEMENT PLAN TRAINING PROTOCOL**

PURPOSE To ensure employees are trained on the various subject matter appropriate to the level of their expected involvement during an emergency situation at the facility.

SCOPE Employees who are present within the facility. See the Training Matrix for specific details.

REQUIREMENT Training is required initially for all employees and annually thereafter.

EQUIPMENT The following equipment is present within the facility and may be utilized in an emergency situation:

- Alarm and Emergency Equipment
- First Aid Kits and Supplies
- Spill Response Kits
- Personal Protective Equipment

TRAINING MATERIALS The below materials should be used to meet the training requirements:

- Emergency Management Plan Presentation


TRAINING TOPICS The elements covered within the training program includes:

- Introduction
- Types of Emergencies
- Fire Hazards
- Fire Extinguishers
- Medical Events
- Spills and Response
- Weather Conditions and Events
- Evacuation Routes and Assembly Location
- Emergency Numbers
- Duties of All Employees

REOCCURRING TRAINING Reoccurring training shall be conducted annually for all applicable employees. The reoccurring training will include a review of the original training topics, as well as, emphasis on changes and a review of events that have occurred.


DOCUMENTATION Maintain the completed quiz and/or employee sign-in sheet as documentation of training and comprehension.

ADDITIONAL COMMENTS Additional training may be required for fire extinguisher, spill response, medical response or other elements of the Emergency Management Plan.

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	


**APPENDIX J
EMERGENCY MANAGEMENT PLAN SPILL RESPONSE TRAINING PROTOCOL**

PURPOSE	To ensure employees conducting spill response activities are knowledgeable of the spill response procedures for the facility.
SCOPE	Employees who conduct work within the operations, technical services or operate transportation vehicles. See Training Matrix for specific details.
REQUIREMENT	Training is required initially for designated employees and annually thereafter.
EQUIPMENT	Employees that conduct spill response and clean-up will use the following equipment: <ul style="list-style-type: none"> • Spill Response Kits • Personal Protective Equipment
TRAINING MATERIALS	The below materials should be used to meet the training requirements: <ul style="list-style-type: none"> • Non-Emergency Hazmat Spill Response Training Video (18:30min) • Non-Emergency Hazmat Spill Response Training Quiz • Spill Kit Contents Review
TRAINING TOPICS	The elements covered within the training program includes: <ul style="list-style-type: none"> • Introduction • Purpose of the Standard • Levels of Response • First Responder Awareness Level • Spill Response • Emergency Response Reporting Procedure
REOCCURRING TRAINING	Reoccurring training shall be conducted annually for all applicable employees. The reoccurring training will include a review of the original training topics, as well as, emphasis on changes and a review of events that have occurred.
DOCUMENTATION	Maintain the completed quiz and/or employee sign-in sheet as documentation of training and comprehension.
ADDITIONAL COMMENTS	None

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	


**APPENDIX K
EMERGENCY MANAGEMENT PLAN FIRE EXTINGUISHER TRAINING PROTOCOL**

PURPOSE	To ensure employees are familiar and knowledgeable with the use of fire extinguishers should they need to be used.
SCOPE	Employees who conduct work within the operations, technical services or operate transportation vehicles. See Training Matrix for specific details.
REQUIREMENT	Training is required initially and annually thereafter.
EQUIPMENT	Employees that may conduct fire-fighting activities in response to a small fire event will use the following equipment: <ul style="list-style-type: none"> • Fire Extinguishers
TRAINING MATERIALS	The below materials should be used to meet the training requirements: <ul style="list-style-type: none"> • Fire Extinguisher Training Video (6:00 min) • Fire Extinguisher Training Quiz
TRAINING TOPICS	The elements covered within the training program includes: <ul style="list-style-type: none"> • Familiarization with Fire Extinguishers • General Principles of Fire Extinguisher Use • Hazards Involved with Incipient Stage Fires • Types of Fire Extinguishers • Identification of the Classes of Fires • PASS for Fire Extinguishers
REOCCURRING TRAINING	Reoccurring training shall be conducted annually for all applicable employees. The reoccurring training will include a review of the original training topics, as well as, emphasis on changes and a review of events that have occurred.
DOCUMENTATION	Maintain the completed quiz and/or employee sign-in sheet as documentation of training and comprehension.
ADDITIONAL COMMENTS	None

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	

APPENDIX L
EMERGENCY MANAGEMENT PLAN 40-HOUR HAZWOPER TRAINING PROTOCOL

PURPOSE	To ensure employees are familiar and knowledgeable to response to chemical release emergencies.
SCOPE	Employees who conduct work within the operations, technical services or operate transportation vehicles. See Training Matrix for specific details.
REQUIREMENT	Training is required initially. An 8-Hour Hazwoper refresher course is required annually thereafter.
EQUIPMENT	Employees that conduct spill response and clean-up will use the following equipment: <ul style="list-style-type: none"> • Spill Kits
TRAINING MATERIALS	The below materials should be used to meet the training requirements: <ul style="list-style-type: none"> • None
TRAINING TOPICS	The elements covered within the training program includes: <ul style="list-style-type: none"> • Course Overview and Pre-Test • Regulatory Overview • Hazard Recognition • Table Top Exercise – Hazard Analysis • Health Effects of Chemical Exposure • Physical Hazards • Causes of Accidents and Accident Prevention • General Work Practices • Respiratory Protection • Respirator Workshop • Personal Protective Equipment • PPE and Respirator Practical Exercise • Decontamination • Environmental Sampling • Sampling Practical • Site Safety Plans • Work Plans • Software, Chemical Reactivity Worksheet and Other Resources • Medical Surveillance and Monitoring • Air Monitoring • Air Monitoring Practical and Discussion • Level A and B Demonstration • Decontamination Practical Exercise • Level C Dress Out Activity • Discussion of Levels of Protection • Emergency Response Activities • Sources of Information • Hazardous Waste Remediation • Overview of Related Regulations • DOT Hazardous Materials


Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	

- Site Entry Exercise
- Post Test and Course Closure

REOCCURRING TRAINING Reoccurring training will be the 8-Hour Hazwoper Training.


DOCUMENTATION Maintain the course outline and certificate of completion as documentation of training and comprehension.

ADDITIONAL COMMENTS Lindberg Compliance Services Group, LLC.
S79 W17027 Green Street
Muskego, WI 53150
Phone: (414) 422-4800
Email: bill@lindberg-group.com

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	


**APPENDIX M
EMERGENCY MANAGEMENT PLAN 8-HOUR HAZWOPER TRAINING PROTOCOL**

PURPOSE	To ensure employees are familiar and knowledgeable to response to chemical release emergencies.
SCOPE	Employees who conduct work within the operations, technical services or operate transportation vehicles. See Training Matrix for specific details.
REQUIREMENT	Training is required annually after successful completion of the 40-Hour Hazwoper initial training.
EQUIPMENT	Employees that conduct spill response and clean-up will use the following equipment: <ul style="list-style-type: none"> • Spill Kits
TRAINING MATERIALS	The below materials should be used to meet the training requirements: <ul style="list-style-type: none"> • None
TRAINING TOPICS	The elements covered within the training program includes: <ul style="list-style-type: none"> • Introduction and Pre-Test • Review of Past Years' Experience, Round Table Discussion and Case Studies • New Regulations • Chemical Hazards • Chemical Hazards, Characteristics, and Health Hazards • New Resources, Internet and Reference Books • PPE, Respirators, New Innovations • Air Monitoring, New Equipment, Review Techniques • Site Safety Plan, On-Line Generators, Problems/Corrections • Post Test and Course Summary • Questions and Answers
DOCUMENTATION	Maintain the course outline and certificate of completion as documentation of training and comprehension.
ADDITIONAL COMMENTS	Lindberg Compliance Services Group, LLC. S79 W17027 Green Street Muskego, WI 53150 Phone: (414) 422-4800 Email: bill@lindberg-group.com

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	


**APPENDIX N
CRITICAL ROLES, OPERATIONS AND SHUT-DOWN TRAINING PROTOCOL**

PURPOSE	To ensure employees assigned responsibilities beyond general passive responses (such as evacuation, take shelter, etc.) are knowledgeable in the additional actions to be performed.
SCOPE	Employees who are assigned to be the primary or secondary emergency coordinator, provide information support, provide chemical support, are an accountability manager during evacuation, or is expected to potentially conduct critical shut-down operations.
REQUIREMENT	Training is required when initially assigned additional responsibilities under the Plan and when changes occur.
EQUIPMENT	<p>Employees that conduct critical roles or operations will use the following equipment:</p> <ul style="list-style-type: none"> • Employee Accountability Board • Highly Visible Vest • Emergency Shut-Down Locations and Operations
TRAINING MATERIALS	<p>The below materials should be used to meet the training requirements:</p> <ul style="list-style-type: none"> • None
TRAINING TOPICS	<p>The elements covered within the training program includes:</p> <ul style="list-style-type: none"> • Emergency Coordinator Responsibilities • Information Officer Responsibilities • Chemical Support Responsibilities • Accountability Manager: Employee Accountability Board, Designated Assembly Location, Accounting Method and Missing Person Notification • Critical Shut-Down Operation: Emergency Shut-Down Locations for Electricity, Natural Gas and Water and Actual Shut-Down Procedures • Questions and Answers
REOCCURRING TRAINING	Reoccurring training shall be conducted annually for all applicable employees. The reoccurring training will include a review of the original training topics, as well as, emphasis on changes and a review of events that have occurred.
DOCUMENTATION	Maintain the completed quiz and/or employee sign-in sheet as documentation of training and comprehension.
ADDITIONAL COMMENTS	None

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	

**APPENDIX O
EMERGENCY MANAGEMENT PLAN FIRE PREVENTION TRAINING PROTOCOL**

PURPOSE	To ensure employees are knowledgeable in the best safety practices to prevent fires from occurring and how to response should a fire become present within the workplace.
SCOPE	Employees who conduct work within the operations, technical services or operate transportation vehicles. See Training Matrix for specific details.
REQUIREMENT	Training is required initially.
EQUIPMENT	Employees that conduct activities in areas where there is a potential for fires to occur will use the following equipment: <ul style="list-style-type: none"> • Fire Extinguisher
TRAINING MATERIALS	The below materials should be used to meet the training requirements: <ul style="list-style-type: none"> • Fire Prevention Training Video (15:17 minutes) • Fire Prevention Training Quiz
TRAINING TOPICS	The elements covered within the training program includes: <ul style="list-style-type: none"> • Fire Prevention Guidelines • How Fire Starts • Fire Prevention Best Safety Practices • Fire Classifications • Fire Extinguisher Usage • Summary
REOCCURRING TRAINING	Reoccurring training shall be conducted periodically as deemed necessary.
DOCUMENTATION	Maintain the completed quiz and/or employee sign-in sheet as documentation of training and comprehension.
ADDITIONAL COMMENTS	None

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	

**APPENDIX P
EMERGENCY MANAGEMENT PLAN FLAMMABLE AND COMBUSTIBLE LIQUIDS TRAINING
PROTOCOL**

PURPOSE To ensure employees are knowledgeable in the proper manner to work with or near flammable and combustible liquids.

SCOPE Employees who conduct work within the operations, technical services or operate transportation vehicles. See Training Matrix for specific details.

REQUIREMENT Training is required initially.

EQUIPMENT Employees that conduct activities in areas where flammable and combustible liquids are present will use the following equipment:

- Grounding and Bonding Equipment

TRAINING MATERIALS The below materials should be used to meet the training requirements:

- Flammable and Combustible Liquid Training Video (5:28 minutes)
- Static Electricity Training Video
- Flammable and Combustible Liquid Training Quiz


TRAINING TOPICS The elements covered within the training program includes:

- Technical Aspects of Flammability
- Explanation of the Hazardous Associated with Flammable/Combustible
- Sources of Ignition
- Prevention of Ignition Sources
- Familiarization with Static Electricity
- Factors influencing Static Electricity Present
- How Static Electricity is Created
- How to Control Static Electricity
- Best Safety Practices

REOCCURRING TRAINING Reoccurring training shall be conducted periodically as deemed necessary.

DOCUMENTATION Maintain the completed quiz and/or employee sign-in sheet as documentation of training and comprehension.

ADDITIONAL COMMENTS None

Document No.: WI-EHS-005	Revision Date: 7/29/2022	Revision No.: 013	
Document Title: EMERGENCY MANAGEMENT PLAN			
Certified By: CEO		Certified Date: 7/29/2022	

APPENDIX Q: QUICK REFERENCE GUIDE

Enviro-Safe Resource Recovery, LLC. - W130 N10500 Washington Drive, Germantown, Wisconsin, 53022

EMERGENCY COORDINATORS and NOTIFICATION SYSTEM

<u>Contacts</u>	<u>Office</u>	<u>24-Hour Number</u>
Dawn Zellmer, CEO	(262) 790-2500 Ext. 104	(262) 613-2542
Jeff Vilione, President	(262) 790-2500 Ext. 101	(262) 613-5906
Michael Walsh, Technical Services	(262) 790-2500 Ext. 106	(708) 751-0207
Bobby Wiedenfeld, Operations	(262) 790-2500 Ext. 103	(414) 308-7492
Paul Monet, Sales and Marketing	(262) 790-2500 Ext. 116	(262) 305-6964

ON-SITE WASTE INFORMATION

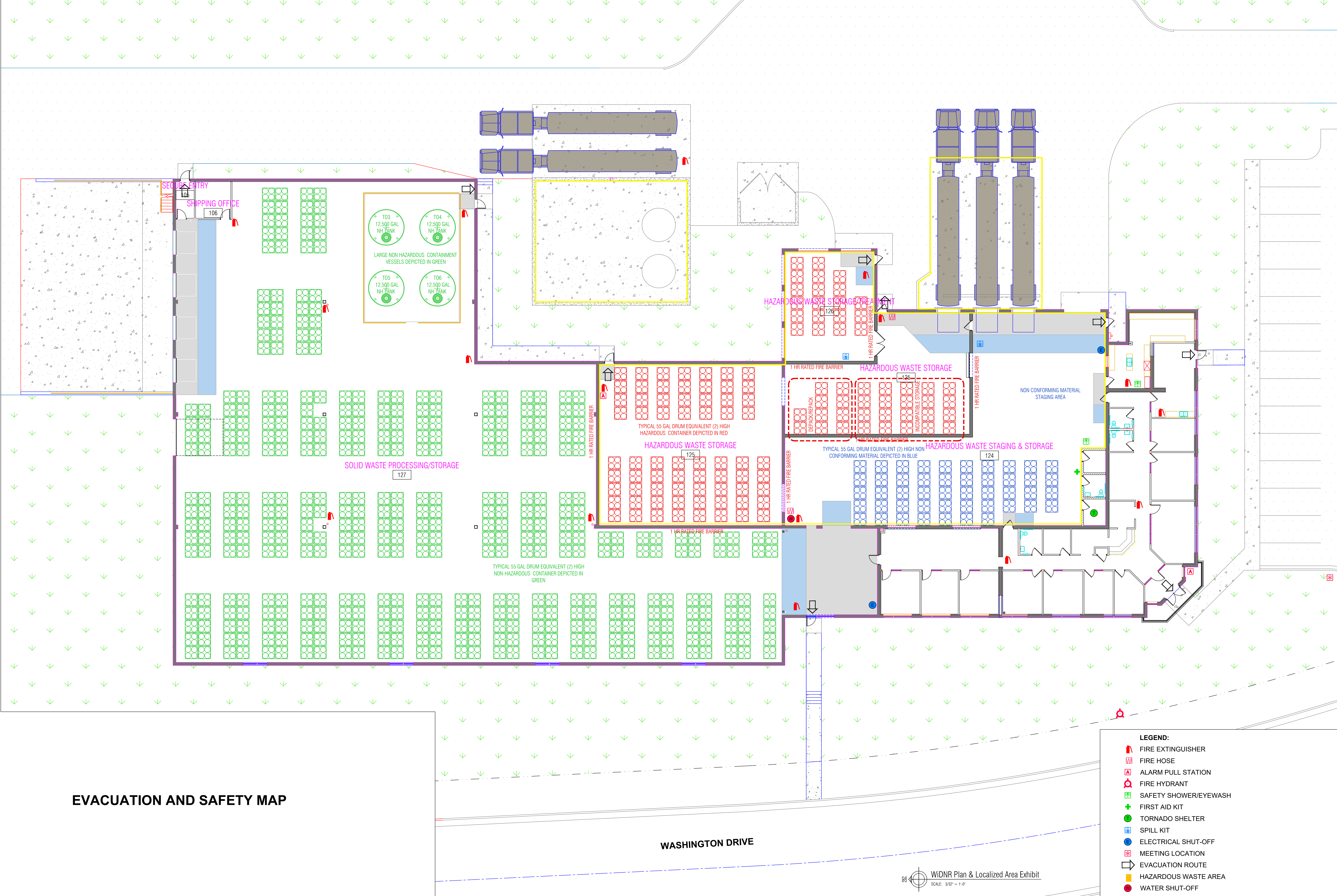
Waste Types	Waste Properties	Potential Injuries/Illnesses	Special Medical Considerations	Maximum Amount On-Site
Non-RCRA (Non-Hazardous) Waste	Non-DOT	See ERG 159	None	~240,000 gallons
Flammable Gases	DOT Class 2.1	See ERG 115	None	Limited Amount
Non-Flammable Gases	DOT Class 2.2	See ERG 120	None	Limited Amount
Flammable Liquids	DOT Class 3	See ERG 127	None	~100,000 gallons
Flammable Solids	DOT Class 4.1	See ERG 133	None	~20,000 gallons
Spontaneously Combustible	DOT Class 4.2	See ERG 135	None	~550 gallons
Dangerous When Wet Materials	DOT Class 4.3	See ERG 139	None	~550 gallons
Oxidizers	DOT Class 5.1	See ERG 140	None	~1,500 gallons
Organic Peroxides	DOT Class 5.2	See ERG 148	None	~1,500 gallons
Poison/Toxic	DOT Class 6	See ERG 151	None	~550 gallons
Corrosive Liquids	DOT Class 8	See ERG 154	None	~5,280 gallons
Miscellaneous	DOT Class 9	See ERG 171	None	~20,000 gallons

FACILITY MAP


The Evacuation and Safety Map identifies where hazardous waste is generated, stored and treated including the location of on-site notification system (alarm system) and fire hydrant.



Evacuation and
Safety Map



APPENDIX K: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN

Document No.: WI-EHS-016	Revision Date: 6/30/2022	Revision No.: 003	
Document Title: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN			
Certified By: CEO		Certified Date: 6/30/2022	

1.0 GENERAL APPLICABILITY [112.1 and 112.7(a)(1)]

1.1 Under 40 CFR 112, the United States Environmental Protection Agency (EPA) requires non-transportation-related onshore and offshore facilities to prepare, implement and maintain a Spill Prevention, Control and Countermeasure Plan (SPCC Plan) if the following applies:

- Stores, transfers, uses or consumes oil or oil products, such as diesel fuel, gasoline, lube oil, hydraulic oil, adjuvant oil, crop oil, vegetable oil or animal fat; and
- Stores more than 1,320 U.S. gallons in total of all aboveground containers (only count containers with 55 gallons or greater storage capacity) or more than 42,000 gallons in completely buried containers; and
- Could reasonably be expected to discharge oil to navigable waters of the U.S. or adjoining shorelines, such as lakes, rivers and streams.

1.2 Based upon the geographical location of the site, the proximity to navigable waters and adjoining shorelines, and the types and amounts of oil and oil-related products stored at the site, it has been determined that the organization is required to prepare, implement and maintain a SPCC Plan.

2.0 REQUIREMENT TO PREPARE AND IMPLEMENT A SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN [112.3]


2.1 It has been determined that the organization is required to implement a Spill Prevention, Control and Countermeasure Plan (SPCC) because it is a non-transportation related facility engaged in storing and using oil and oil-related products with a total aggregate capacity of greater than 1,320-gallons which could reasonably be expected to discharge oil in quantities that may be harmful to navigable waters or adjoining shorelines. The total aggregate capacity of aboveground oil storage containers does not include containers less than 55-gallons. The surface water runoff of the property drains to an existing detention basin and ultimately drains to the Little Menomonee River which is approximately 770 feet to the east of the site. As a result, this SPCC Plan has been prepared in writing and implemented in accordance with 40 CFR 112.1 thru 112.8 and any other applicable section of this part.

2.2 As an organization for which a SPCC Plan is required, the organization shall maintain a complete copy of the SPCC Plan at the facility and will have the Plan available to Regional Administrator for on-site review during normal business hours.

2.3 Facilities that could reasonably be expected to cause substantial harm to the environment by discharging oil into or on navigable waters are required to prepare and submit a Facility Response Plan (FRP) as required under the Oil Pollution and Prevention Regulation 40 CFR 112.20. The organization has determined that the facility does not meet the substantial harm criteria and that the facility is not subject to the FRP rule though self-identification. (Appendix A - Substantial Harm Determination).

3.0 AMENDMENT OF SPCC PLAN BY OWNERS OR OPERATORS [112.5]

3.1 The organization shall amend the SPCC Plan when there is a change in the facility design, construction, operation, or maintenance that materially affects its potential for a discharge. An amendment must be prepared within six months and implemented as soon as possible, but no later than six months following preparation of the amendment.

Document No.: WI-EHS-016	Revision Date: 6/30/2022	Revision No.: 003	
Document Title: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN			
Certified By: CEO		Certified Date: 6/30/2022	

3.2 In addition, a complete review and evaluation of the SPCC Plan must be conducted at least once every five years from the effective date of the plan. As a result of the review and evaluation, the SPCC Plan must be amended within six months of the review to include more effective prevention and control technology if the technology has been field-proven at the time of the review and will significantly reduce the likelihood of a discharge from the facility. Any amendments must be implemented as soon as possible, but no later than six months following preparation of any amendments.

3.3 The review and evaluation must be documented and include a signed statement as to whether the plan will be amended (Appendix B - SPCC Plan Review and Amendments). A Professional Engineer must certify any technical amendments to the Plan. Non-technical amendments can be conducted by the organization.

4.0 GENERAL [112.7(a)(2)]

4.1 The SPCC Plan for the organization shall comply with all applicable requirements under 40 CFR 112 and shall not deviate.

5.0 FACILITY LAYOUT and DIAGRAMS [112.7(a)(3)]

5.1 Location. The site is located in the Germantown Industrial Park in Germantown, Wisconsin (Washington County). The facility is located on a 3-acre parcel with an approximately 45,000 square foot building of which 70% is paved or under roof and 30% is unpaved. There are no subgrade areas at the site with the exception of loading bays located on the east and north side of the property. Railroad tracks are approximately ¼ mile to the west of the facility. Additionally, the surface water runoff of the property drains to an existing detention basin and ultimately drains to the Little Menomonee River which is approximately 770 feet to the east of the site. (Appendix C - Facility Maps and Diagrams - C-1 Topographical)

5.2 Property Drainage Description. Precipitation from the facility drains to an existing detention basin owned and operated by the Village of Germantown and is located on the east side of the property. This detention basin is located approximately 90 feet from the east above ground storage tank secondary containment wall. After leaving the regional detention basin, the surface water runoff enters a small un-named stream that eventually flows into the Little Menomonee River which is approximately 770 feet to the east of the site. (Appendix C - Facility Maps and Diagrams - C-3 Surface Waters and Streams)

5.3 Facility Description. The organization operates Other Non-Hazardous Treatment and Disposal Facility (562219) and Other Miscellaneous Waste Management Services (5629998). The building consists of offices, warehouses, processing areas and a laboratory. The areas of the facility have been classified by the Wisconsin Department of Commerce based upon their construction and designed usage. (See Appendix C - Facility Maps and Diagrams - C-2 Site)

Table 5-1: Facility Information

Location	Area	Occupancy Classification	Description
Office Area/Laboratory	4,992 ft ²	B Classification	Administrative/Laboratory
RM 124	4,646 ft ²	S1 Classification	Staging and Storage

Document No.: WI-EHS-016	Revision Date: 6/30/2022	Revision No.: 003
Document Title: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN		
Certified By: CEO		Certified Date: 6/30/2022



RM 125	5,091 ft²	H3 Classification	Hazardous Storage
RM 126	1,056 ft²	H2 Classification	Hazardous Storage and Processing
RM 127	22,743 ft²	S1 Classification	Non-Hazardous Storage and Processing
Inside Storage Tanks	4 Each 12,500-Gal	S1 Classification	Bulk Non-Hazardous Storage
Outside Storage Tanks	2 Each 18,500-Gal	H3 Classification	Bulk Hazardous Storage

- 6.0 OIL AND OIL-RELATED STORAGE and CAPACITY [112.7(a)(3)(i)]**
- 6.1 The facility uses and stores oil and oil-related products as defined by the U.S. Coast Guard List of Petroleum and Non-Petroleum Oils and referenced by the EPA as to covered products. The materials present and stored at the site are summarized below and identified on the facility diagram (Appendix C - Facility Maps and Diagrams - C-2 Site). All containers with capacity of 55-gallons or more are included. The outside above ground storage tanks are pre-manufactured and meet the Underwriter’s Laboratories (UL) tank construction and standard for flammable/combustible liquids. The inside above ground storage tanks are pre-manufactured plastic tanks. The design and construction are compatible with the material which they contain and temperature and pressure conditions of storage. Equipment on-site that utilizes oil and oil-related products are limited and less than 55-gallons.
- 6.2 The site does have one transformer on its property which is owned by WE Energies and the container capacity is unknown.
- 6.3 The capacities of oil and oil-related containers present at the site are summarized in the table below and stored within the building. All containers with capacity of 55-gallons or more are included.

Table 6-1: Identification of Oil Containers

Document No.:
WI-EHS-016

Revision Date:
6/30/2022

Revision No.:
003

Document Title:
**SPILL PREVENTION, CONTROL AND
COUNTERMEASURE PLAN**

Certified By:
CEO

Certified Date:
6/30/2022




ID	Type	Product Type	Typical Container Type	Capacity*
T01	Above Ground Storage Tank (Outside)	Flammable/Combustibles Materials	UL Tank	18,500 gals.
T02	Above Ground Storage Tank (Outside)	Flammable/Combustibles Materials	UL Tank	18,500 gals.
RM124	Solid and Hazardous Waste Staging and Storage Maximum: 616 55-Gallon Drums or Equivalent	Used Oil, Oily Waters and Flammable/ Combustibles Materials	Drum and Totes - Various Sizes	33,880 gals.
RM125	Hazardous Waste Storage Maximum: 784 55-Gallon Drums or Equivalent	Flammable/Combustibles Materials	Drum and Totes - Various Sizes	43,120 gals.
RM126	Hazardous Waste Processing and Treatment Maximum: 160 55-Gallon Drums or Equivalent	Flammable/Combustibles Materials	Drum and Totes - Various Sizes	8,800 gals.
RM 127	Solid Waste Storage and Processing Maximum: 3,304 55-Gallon Drums or Equivalent	Used Oil and Oily Waters	Drum and Totes - Various Sizes	181,720 gals.
T03	Above Ground Storage Tank (Inside RM 127)	Used Oil	Plastic Tank	12,500 gals.
T04	Above Ground Storage Tank (Inside RM 127)	Oily Waters	Plastic Tank	12,500 gals.
T05	Above Ground Storage Tank (Inside RM 127)	Used Oil	Plastic Tank	12,500 gals.
T06	Above Ground Storage Tank (Inside RM 127)	Oily Waters	Plastic Tank	12,500 gals.
N/A	Electrical Transformers (owned by utility provider)	Oil	Unknown	Unknown
TOTAL				152,960 gals.


*Special note. Actual volumes varies and therefore, the maximum amount is based upon storage capacity and assuming all containers are oil or oil-related materials. Actual materials and volumes on-site at any point in time will change based on business conditions.

7.0 DISCHARGE PREVENTION MEASURES [112.7(a)(3)(ii)] and DRAINAGE CONTROLS [112(a)(3)(iii)]

7.1 Above Ground Storage Tanks (Outside). The above ground storage tanks are located outside the building in secondary containment. All valves, flanges and caps on the tanks are maintained in the closed position to prevent release of material. The tanks are affixed with an overflow alarm and liquid level gauges.

Document No.: WI-EHS-016	Revision Date: 6/30/2022	Revision No.: 003	
Document Title: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN			
Certified By: CEO		Certified Date: 6/30/2022	

- 7.2 Above Ground Storage Tanks (Inside RM 127). The above ground storage tanks are located inside building RM 127 in secondary containment. The valves, flanges and caps on the tanks are maintained in the closed position to prevent release of material.
- 7.3 Solid and Hazardous Waste Staging and Storing (Room 124). The warehouse is a self-contained room with a concrete thickness of 5" or more. The concrete for the engineered containment of the building is poured with a waterproofing additive which permanently sealed the concrete. A chemical resistant coating system was then applied to the joints between the concrete slab and walls to eliminate any potential for seepage should a spill or leak occur. All containers within the warehouse are closed and sealed and stored in stable piles. A visual inspection (Appendix G - Inspections and Testing) is conducted daily to monitor for evidence of leakage from a container. A spill kit is located within the area. Transferring of liquids between containers is only conducted while a person is in attendance.
- 7.4 Hazardous Waste Storage (Room 125). The warehouse is a self-contained room with a concrete thickness of 5" or more. The concrete for the engineered containment of the building is poured with a waterproofing additive which permanently sealed the concrete. A chemical resistant coating system was then applied to the joints between the concrete slab and walls to eliminate any potential for seepage should a spill or leak occur. All containers within the warehouse are closed and sealed and stored in stable piles. A visual inspection (Appendix G - Inspections and Testing) is conducted daily to monitor for evidence of leakage from a container. A spill kit is located within the area. Transferring of liquids between containers is only conducted while a person is in attendance.
- 7.5 Hazardous Waste Processing and Treatment (Room 126). The warehouse is a self-contained room with a concrete thickness of 5" or more. The concrete for the engineered containment of the building is poured with a waterproofing additive which permanently sealed the concrete. A chemical resistant coating system was then applied to the joints between the concrete slab and walls to eliminate any potential for seepage should a spill or leak occur. All containers within the warehouse are closed and sealed and stored in stable piles. A visual inspection (Appendix G - Inspections and Testing) is conducted daily to monitor for evidence of leakage from a container. A spill kit is located within the area. Transferring of liquids between containers is only conducted while a person is in attendance.
- 7.6 Solid Waste Storage and Processing (Room 127). The warehouse is a self-contained room with a concrete thickness of 5" or more. The concrete for the engineered containment of the building is poured with a waterproofing additive which permanently sealed the concrete. A chemical resistant coating system was then applied to the joints between the concrete slab and walls to eliminate any potential for seepage should a spill or leak occur. All containers within the warehouse are closed and sealed and stored in stable piles. A visual inspection (Appendix G - Inspections and Testing) is conducted daily to monitor for evidence of leakage from a container. A spill kit is located within the area. Transferring of liquids between containers is only conducted while a person is in attendance.
- 8.0 DISCHARGE DISCOVERY, RESPONSE AND CLEANUP [11.2(a)(3)(iv)]**
- 8.1 The organization has established procedures for the notification of internal personnel upon the cause or discovery of a discharge. Personnel have been trained in spill response activities and the utilization of the spill kits and equipment present. In addition, the

Document No.: WI-EHS-016	Revision Date: 6/30/2022	Revision No.: 003	
Document Title: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN			
Certified By: CEO	Certified Date: 6/30/2022		

organization has made arrangements with specialized outside contractors to response to and assist in the cleanup of a discharge, as warranted.

- 9.0 DISPOSAL [112.7(a)(3)(v)]**
- 9.1 The cleanup contractor shall handle the disposal under the direction of the CEO of any recovered material, contaminated soil, contaminated materials and equipment, decontamination solutions, sorbents, and spent chemicals collected during a response to a discharge incident.
- 9.2 If the facility responds to a discharge without involvement of a cleanup contractor, the organization shall disposal of all materials in accordance to regulatory requirements.
- 10.0 EMERGENCY CONTACT INFORMATION [112.7(a)(3)(vi)]**
- 10.1 The contact list and phone numbers for the facility response coordinator, National Response Center, cleanup contactors, and all appropriate Federal, State and local agencies who must be contacted in case of a discharge have been posted throughout the facility. (Appendix D - Emergency Contact Information).
- 11.0 SPILL RELEASE AND REPORTING [112.7(a)(4)]**
- 11.1 A discharge of oil in such quantities that may be harmful to the public health or welfare or the environment include dischargers of oil that violates applicable water quantity standards or causes a film or sheen upon or discoloration of the surface of the water or adjoining shorelines or causes a sludge or emulsion to be deposited beneath the surface of the water or upon adjoining shorelines. Spills that occur that may be harmful to the public health or welfare or the environment, must be reported immediately to specific governmental agencies. The specific information required to be report are contained within the reporting forms. (Appendix E - Spill Reporting)
- 11.2 Decisions about the reportability of a release or spill that occurred and the responsibility of notification and/or submittal of the reports to governmental agencies should be conducted by the CEO.
- 12.0 OIL DISCHARGE RESPONSE [112.7(a)(5)]**
- 12.1 The organization has planned and prepared for immediate action to control, contain and recover discharged oil or oil-related products. The specific details are outlined in the Emergency Management Plan (WI-EHS-005).
- 13.0 POTENTIAL SPILL PREDICTIONS AND DISCHARGE PATTERN [112.7(b)]**
- 13.1 The organization was evaluated to determine reasonable potential for major equipment failure which would result in a potential release of oil or oil-related product into the environment. A prediction of the direction, rate of flow and total quantity of oil which could be discharged from the facility are summarized below.

Table 13-1: Potential Discharge Volumes and Direction of Flow

Potential Event	Maximum volume released (gallons)	Maximum discharge rate ⁽¹⁾	Direction of Flow	Secondary Containment
Outside Above Ground Storage Tanks (T01 and T02)				

Document No.:
WI-EHS-016

Revision Date:
6/30/2022

Revision No.:
003

Document Title:
**SPILL PREVENTION, CONTROL AND
COUNTERMEASURE PLAN**



Certified By:
CEO

Certified Date:
6/30/2022

Potential Event	Maximum volume released (gallons)	Maximum discharge rate ⁽¹⁾	Direction of Flow	Secondary Containment
Failure of aboveground tank (collapse or puncture below product level).	18,000	Gradual to instantaneous	Secondary Containment System	Outside concrete containment.
Tank overfills.	1 to 18,000	270 gpm	Secondary Containment System	Outside concrete containment.
Pipe rupture or failure. Based upon 3" piping.	1 to 18,000	130 gpm	Secondary Containment System	Outside concrete containment.
Valve failure.	1 to 18,000	1 gpm	Secondary Containment System	Outside concrete containment.
Leaking pipe or valve.	1 to 18,000	1 gpm	Secondary Containment System	Outside concrete containment.
East and North Loading Docks				
Tank truck leak or failure inside the loading/unloading area.	1 to 18,000	Gradual to instantaneous	Secondary Containment System	Outside concrete containment.
Hose leak during truck loading/unloading.	1 to 18,000	140 gpm	Secondary Containment System	Outside concrete containment.
Pump failure.	1 to 18,000	270 gpm	Secondary Containment System	Outside concrete containment.
Warehouse Storage (RM124)				
Leak or failure of drum/tote/or other containers.	0 to 300	Gradual to instantaneous	Contained within the building.	Inside concrete containment.
Warehouse Storage (RM125)				
Leak or failure of drum/tote/or other containers.	0 to 330	Gradual to instantaneous	Contained within the building.	Inside concrete containment.
Warehouse Processing (RM126)				
Leak or failure of drum/tote/or other containers.	0 to 330 gals.	Gradual to instantaneous	Contained within the building.	Inside concrete containment.
Pump failure.	0 to 330 gals.	135 gpm	Contained within the building.	Inside concrete containment.
Pipe rupture or failure. Based upon 2" piping.	0 to 330 gals.	45 gpm	Contained within the building.	Inside concrete containment.
Valve failure.	0 to 330 gals.	1 gpm	Contained within the building.	Inside concrete containment.
Leaking pipe or valve.	0 to 330 gals.	1 gpm	Contained within the building.	Inside concrete containment.
Warehouse Storage (RM127)				
Leak or failure of drum/tote/or other containers.	0 to 330 gals.	Gradual to instantaneous	Contained within the building.	Inside concrete containment.
Above Ground Storage Tanks (T07 thru T010)				
Failure of aboveground tank (collapse or puncture below product level).	12,500	Gradual to instantaneous	Secondary Containment System	Inside concrete containment.
Tank overfills.	1 to 12,500	270 gpm	Secondary Containment System	Inside concrete containment.

Document No.: WI-EHS-016	Revision Date: 6/30/2022	Revision No.: 003
Document Title: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN		
Certified By: CEO	Certified Date: 6/30/2022	




Potential Event	Maximum volume released (gallons)	Maximum discharge rate ⁽¹⁾	Direction of Flow	Secondary Containment
Pipe rupture or failure. Based upon 3" piping.	1 to 18,000	130 gpm	Secondary Containment System	Inside concrete containment.
Valve failure.	1 to 18,000	1 gpm	Secondary Containment System	Inside concrete containment.
Leaking pipe or valve.	1 to 18,000	1 gpm	Secondary Containment System	Inside concrete containment.

(1) Maximum discharge rates are estimates based upon the information provided by the manufacturer for the equipment.

14.0 SECONDARY CONTAINMENT [112.7(c)]

- 14.1 Warehouses. For those sources that are located inside the building, the building itself has been designed as secondary containment as the result of sloping and the installation of an impervious concrete foundation that is permanently sealed. An impervious caulking has been applied from the concrete floor to approximately 2 inches on the brick wall to seal the joint area. In addition, no floor drains are present inside the building that would result in a discharge to the sanitary sewer. However, there is a sump pump system present in Room 124 which would accumulate and remove water to the municipal storm drain should it become present at specific levels. The sump pump is a manual operating system and is maintained in the off position at all times. (See Appendix F - Secondary Containment Calculations)
- 14.2 Above Ground Storage Tanks (Outside). A concrete secondary containment system has been constructed around the above ground storage tanks outside the building so that any discharge from the tanks will not escape the containment system before cleanup occurs. In addition, an inlet stormceptor system was installed at the outlet of the secondary containment system drainage to remove total suspended solids (TSS) and free oil (TPH) from storm water run-off prior to discharge to the environment. (See Appendix F - Secondary Containment Calculations)
- 14.3 Above Ground Storage Tanks (Inside RM127). A concrete secondary containment system has been constructed around the above ground storage tanks inside the building so that any discharge from the tanks will not escape the containment system before cleanup occurs.
- 14.4 Non-Racking Loading and Unloading. Tank truck loading/unloading operations associated with the above ground storage tanks and treatment operations entail pulling the tank truck into the Tanker Fill Area #1 and Tanker Fill Area #2 that are properly graded and walled so that a spill from a tank truck would reasonably be expected to drain into a trench that discharges into the concrete-walled secondary containment area associated with the storage tanks. The configuration of this loading area, when coupled with the loading/unloading procedure, is expected to provide appropriate diversionary control for the tank truck loading/unloading activities associated with this area.
- 14.5 Loading Docks. The loading docks for loading and unloading trucks is conducted in the loading dock area which is affixed with appropriate containment and/or diversionary controls.

Document No.: WI-EHS-016	Revision Date: 6/30/2022	Revision No.: 003	
Document Title: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN			
Certified By: CEO		Certified Date: 6/30/2022	

15.0 PROFESSIONAL ENGINEER CERTIFICATION, MANAGEMENT SUPPORT AND AVAILABILITY [112.3(c) and 112.7(d)(1)]

15.1 For a Plan to be effective to satisfy the requirements, a licensed Professional Engineer must review and certify the plan. By the means of this certification the Professional Engineer attests that they are familiar with the requirements of this part, that them or their agent has visited and examined the facility, that the Plan has been prepared in accordance with good engineering practices, including consideration of applicable industry standards and requirements of this standard, the procedures for required inspections and testing have been established, and that the Plan is adequate for the facility.

15.2 The Professional Certification shall in no way relieve the owner or operator of a facility of their duty to prepare and fully implement such Plan in accordance with the applicable requirements.

15.3 A fully prepared and executed SPCC Plan shall be maintained electronically at the organization and shall be made available to Regional Administrator for on-site review during normal working hours.

16.0 MANAGEMENT COMMITMENT [112.7(d)(2)]

16.1 For a Plan to be effective to satisfy the regulatory requirements, management of the facility must be committed to provide the resources to appropriately address the elements of the plan. By means of the management commitment statement, management attests that they will familiarize themselves with the requirements and the elements of this plan and will provide the adequate resources to maintain it. (Appendix B - SPCC Plan Review and Amendments)

17.0 INSPECTIONS, TESTS AND RECORDS [112.7(e)]


17.1 The inspection requirements are designed to detect oil leaks, spills, or other potential integrity or structural issues before they can result in a discharge of oil to navigable waters or adjoining shorelines. Regularly scheduled inspections, evaluations, and testing of bulk oil storage containers by qualified personnel are critical parts of discharge prevention.

17.2 Integrity testing and routine inspections are required for all containers with a capacity of 55-gallons or more. The inspections conducted shall be in accordance with the Steel Tank Institute (STI) SP001 Standard for the Inspection of Aboveground Storage Tanks and Portable Containers (STI SP001) on a routine basis to maintain the integrity of the oil and oil-related storage containers and associated auxiliary equipment. The records of the inspections and tests performed shall be retained under customary business practices for a period of not less than 3-years. (Appendix G - Inspections and Testing)

18.0 PERSONNEL, TRAINING AND DISCHARGE PREVENTION PROCEDURES [112.7 (f)]

18.1 Employees shall be trained on the various subject matter appropriate to the level of their expected involvement. Oil-handling personnel shall initially be trained in the elements of the organization's SPCC Plan, applicable pollution control laws, rules and regulations, operation and maintenance of equipment to prevent discharges, discharge procedure protocols and spill response. The records of the training and annual briefings performed shall be retained under customary business practices for a period of not less than 3-years. (Appendix H - SPCC Training Protocol)

18.2 The Emergency Response Team shall be accountable for discharge prevention. Any near miss or actual spill event shall be documented as an incident and shall be reviewed for corrective and preventative action. The event shall be documented as

Document No.: WI-EHS-016	Revision Date: 6/30/2022	Revision No.: 003	
Document Title: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN			
Certified By: CEO		Certified Date: 6/30/2022	

part of the organization's Incident Reporting and Investigation protocol.

18.3 Contractors that may temporarily bring equipment or storage containers onsite, with oil-containing capacities of at least 55-gallons, shall be briefed on the facility and of spill concerns via instructional signs (e.g., warning for overhead piping) and contractor orientation prior to the start of work on-site.

19.0 SECURITY [112.7(g)]

19.1 The organization has implemented extensive security measures into the facility's infrastructure to ensure control of the property and its contents.

19.2 Perimeter Barriers. The facility is located in an industrial park with strategically located landscaping and vegetation installed to aid in the security of the property. Signage is posted at each driveway entry point restricting access to the actual property itself.


19.3 Facility Lighting. Lights illuminate the property on the outer perimeter and provide adequate visibility to detect spills during night-time hours and in preventing vandalism. All deliveries of oil and oil-related materials are made during daylight hours. Lighting inside the building is sufficient to detect a release in storage and transfer areas. In addition, a night lighting system within the building is present to provide sufficient illumination to all areas.

19.4 Monitoring and Instruction Detection Systems. An intrusion detection system provides early warning of unauthorized penetration on the premises or into the facility. Therefore, a 24-hours active security surveillance system (CCTV and IP camera monitoring system) which continuously monitors and records the activity of the facility has been implemented. A security alarm system has also been installed and is activated when unauthorized access is attempted. The system triggers an alarm if a breach is detected which dispatches local authorities and notifies management.

19.5 Access Controls. All doors with access into the facility itself are continuously locked at all times and entrance is controlled by a card access control system. This includes the doors from the warehouse to the office areas. Badges are issued to employees with specific access permissions based upon their job responsibilities and needs. The organizational issued badges distinguish employees from intruder or other unauthorized personnel. All other persons, other than employees, entering and exiting the facility are required to log in while on-site or be escorted.

19.6 Fencing. The perimeter of the above ground storage tanks is fully fenced and gated. There is one entrance into the area. The entrance gate is locked when area is unattended. Only authorized personnel have access to the area.

19.7 Drain Valves. The primary oil or oil-related containing sources covered under this SPCC Plan for which there is a reasonable potential for direct outward flow of the container's contents to outside surfaces include the above ground storage tanks located in the outside tank farm. The drain valves on each of the bulk storage tanks are maintained in the closed position, are kept under lock when in non-operating or standby status and are located within a fenced secondary containment area for which access is limited.

Document No.: WI-EHS-016	Revision Date: 6/30/2022	Revision No.: 003	
Document Title: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN			
Certified By: CEO		Certified Date: 6/30/2022	

19.8 Pumps. Pumps are only accessible to authorized personnel. Pump associated with the above ground storage tanks are turned off and kept under lock when in non-operating or standby status. All other pumps are located inside the building which is secure with limited access. Bulk loading and unloading of storage tanks by tanker trucks utilize the pumps with which the trucks are equipped to transfer material.

19.9 Loading/Unloading Connections of Pipeline. Loading/unloading connections of oil and oil-related transfer piping at the facility are securely capped or blank-flanged when not in service or when in standby service for an extended time, as required. Connects are located within a fenced secondary containment area for which access is limited.

20.0 FACILITY TANK CAR AND TANK TRUCK LOADING/UNLOADING [112.7(h)]

20.1 Receiving - Containers. Oil and oil-related containers are received at the facility in sealed steel or plastic containers in various sizes. Upon receipt, the containers are visually inspected to ensure the container was not compromised during shipment.

20.2 Shipping - Containers. Oil and oil-related containers are shipped in sealed steel or plastic containers in various sizes. Prior to shipment, the containers are visually inspected to ensure the container is not compromised. Unacceptable containers are not shipped and address appropriately.

20.3 Shipping - Tanker Truck. Oil and oil-related are pumped into tanker truck and shipped. Prior to filling and departure of the tanker truck, a visual inspection is conducted for discharges from piping, hose hook-up and all outlets on the vehicle to ensure they are all tightened, adjusted or replaced. Wheel chocks shall be provided and used during the loading process to prevent the vehicle from department before completed disconnection. The transfer operation is continuously monitored to allow for rapid shut-off of transfer pump in the event of a leak or spill event.


20.4 The facility does not have loading or unloading racks at the facility as the fill port associated with the above ground storage tank loading or unloading by tanker truck consist of a single hose and connection. General procedures for non-rack loading and unloading operations were previously described.

21.0 ABOVE GROUND STORAGE TANKS [112.7(i)]

21.1 Outside Above Ground Storage Tank (T01 and T02)

The above ground storage tanks are pre-manufactured and meet the Underwriter's Laboratories (UL) tank construction standard for flammable/combustible liquids. The design and construction are compatible with the material which they contain and temperature and pressure conditions of storage. The above ground storage tanks are located outside in secondary containment.

Tank Number:	T01 and T02
Tank:	UL 142 Single Wall Tank with 5" Sloped Tank Bottom
Manufacturer:	International Production Specialist
Specific Gravity:	0.86
Temperature:	Ambient
Storage Pressure:	Atmospheric
Capacity:	18,000-gallons
Dimension:	11 ft. diameter x 25 ft. height

Document No.: WI-EHS-016	Revision Date: 6/30/2022	Revision No.: 003	
Document Title: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN			
Certified By: CEO		Certified Date: 6/30/2022	

- 21.2 Inside Above Ground Storage Tank #2 (T07 thru T10)
The above ground storage tanks are pre-manufactured plastic. The design and construction are compatible with the material which they contain and temperature and pressure conditions of storage. The above ground storage tanks are located inside RM 127 in secondary containment.

Tank Number:	T07 thru T10
Tank:	Polyethylene Tanks
Manufacturer:	Den Hartog Industries, Inc.
Specific Gravity:	1.7
Temperature:	Ambient
Storage Pressure:	Atmospheric
Capacity:	12,500-gallons
Dimension:	11 ft 8 in diameter x 17 ft 3 in height

22.0 CONFORMANCE TO OTHER STATE AND LOCAL REQUIREMENTS [112.7(j)]

- 22.1 In addition to the minimal prevention standards listed within this plan, the organization is also required to conform to the applicable requirements and other effective discharge prevention and containment procedures listed below:

- Emergency Action Plan [OSHA 29 CFR 1910.38]
- Fire Prevention Plan [OSHA 29 CFR 1910.39]
- Employee Alarm System [OSHA 29 CFR 1910.165]
- Portable Fire Extinguisher [OSHA 29 CFR 1910.157]
- Hazardous Waste Operations and Emergency Response [29 CFR 1910.120]
- Hazardous Substance Spill Notification [Wisconsin DNR Chapter NR 706]
- Contingency Plan [Wisconsin DNR Chapter NR 670.014(2)(g)]
- Preparedness and Prevention [Wisconsin DNR Chapter NR 670.014(f)]
- Small Quantity Generator [Wisconsin DNR Chapter NR 662]
- NPDES Storm Water Permit (Wisconsin DNR Chapter NR 216)
- Hazardous Material Incident Reporting [DOT 49 CFR 171.180]
- Department of Agriculture, Trade and Consumer Protection [ATCP 93.440(3)]
- National Fire Protection Association [NFPA]
- Local Fire Department Ordinances


23.0 OIL-FILLED OPERATIONAL EQUIPMENT [112.7(k)]

- 23.1 The organization has had no single discharge from an oil-filled operational equipment exceeding 1,000-gallons or no two discharges from any oil-filled operational equipment each exceeding 42-gallons within any twelve-month period in the last three years prior to the SPCC Plan certification date.

- 23.2 The organization has limited oil-filled equipment on-site. In addition, the equipment on-site that does contain oil, it is less than 55-gallons.

24.0 RELATED DOCUMENTS

- 24.1 Appendix A - Substantial Harm Determination
24.2 Appendix B - SPCC Plan Review and Amendment
24.3 Appendix C - Facility Maps and Diagrams
24.4 Appendix D - Emergency Contact Information
24.5 Appendix E - Spill Reporting

Document No.: WI-EHS-016	Revision Date: 6/30/2022	Revision No.: 003	
Document Title: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN			
Certified By: CEO		Certified Date: 6/30/2022	

- 24.6 Appendix F - Secondary Containment Calculations
- 24.7 Appendix G - Inspections and Testing
- 24.8 Appendix H - SPCC Training Protocol

25.0 REFERENCE DOCUMENTS

- 25.1 Spill Prevention, Control and Countermeasure Regulation (EPA 40 CFR Part 112)
- 25.2 Emergency Management Response Plan (WI-EHS-005)

Document No.: WI-EHS-016	Revision Date: 6/30/2022	Revision No.: 003
Document Title: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN		
Certified By: CEO		Certified Date: 6/30/2022



**APPENDIX A
CERTIFICATION OF APPLICABILITY OF THE SUBSTANTIAL HARM CRITERIA**

- Yes** **No** Does the facility have an oil storage capacity that is greater than or equal to 42,000 gallons and conduct operations that include over-water transfers to or from vessels?

- Yes** **No** Does the facility have an oil storage capacity greater than or equal to one million gallons **and** does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest aboveground oil storage tank plus sufficient freeboard to allow for precipitation with any aboveground storage area?

- Yes** **No** Does the facility have an oil storage capacity greater than or equal to one million gallons **and** is the facility located at a distance (as calculated using the appropriate formula in Attachment C-III to this appendix or a comparable formula 1) such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments? For further description of fish and wildlife and sensitive environments, see Appendices I, II, and III to DOC/NOAA's "Guidance for Facility and Vessel Response Plans: Fish and Wildlife and Sensitive Environments" (see Appendix E to this part, section 13, for availability) and the applicable Area Contingency Plan.


- Yes** **No** Does the facility have an oil storage capacity greater than or equal to one million gallons and is the facility located at a distance (as calculated using the appropriate formula in Attachment C-III to this appendix or a comparable formula (such that a discharge from the facility would shut down a public drinking water intake)?

- Yes** **No** Does the facility have an oil storage capacity greater than or equal to one million gallons and has the facility experienced a reportable oil discharge in an amount greater than or equal to 10,000 gallons within the last 5 years?

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Signature: Dawn Zellmer
Name (Print): Dawn Zellmer
Title: CEO/Operations
Date: 6/30/2022

Document No.: WI-EHS-016	Revision Date: 6/30/2022	Revision No.: 003	
Document Title: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN			
Certified By: CEO		Certified Date: 6/30/2022	

**APPENDIX B
SPCC PLAN REVIEW AND AMENDMENTS**

The SPCC Plan must be reviewed and evaluated at least once every five years from the date the facility review was last conducted. The completion of the review and evaluation must be documented and contain a signed statement as to whether the plan requires amendments.

Management Commitment

In accordance with 40 CFR Part 112.7 this SPCC Plan has been reviewed by and has the full approval of management in order to ensure resources will be available to fully implement the SPCC Plan.

Signature: Dawn Zellmer
Name (Print): Dawn Zellmer
Title: CEO/Operations
Date: 6/30/2022

Facility Review and Certification Log


Facility Name	Date	Scope	Facility Reviewer	Signature
Enviro-Safe Germantown, WI	August-2012	Initial SPCC Plan Generation	Jeff Vilione Enviro-Safe Consulting, LLC.	<i>J. Vilione</i>
Enviro-Safe Germantown, WI	August-2020	5-Year Review	Dawn Zellmer Enviro-Safe Consulting, LLC.	<i>Dawn Zellmer</i>
Enviro-Safe Germantown, WI	June-2022	Review to update to include building addition.	Dawn Zellmer Enviro-Safe Consulting, LLC.	<i>Dawn Zellmer</i>

Statement: I have completed a review and evaluation of the SPCC Plan for the above reference facility and will not amend the plan as a result.

The SPCC Plan must be reviewed and certified by a PE at least once every five years from the previous PE review and certification date. The PE certification must be documented and contained within this plan.

PE Review and Certification Log

Facility Name	Date	Scope	PE Name	License Number
Enviro-Safe Germantown, WI	August-2012	Initial SPCC Plan Generation	Kenneth Fries Enviro-Safe Consulting, LLC.	Wisconsin - #20327

Document No.: WI-EHS-016	Revision Date: 6/30/2022	Revision No.: 003	
Document Title: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN			
Certified By: CEO		Certified Date: 6/30/2022	

Stantec Mequon, WI	September-2021	5-Year PE Review and Certification	Hiedi Walker Stantec	Wisconsin - #33641
Stantec Mequon, WI	June-2022	Building Addition Inclusion	Hiedi Walker Stantec	Wisconsin - #33641

The undersigned Registered Professional Engineer is familiar with the requirements of Part 112 of Title 40 of the *Code of Federal Regulations* (40 CFR part 112) and has visited and examined the facility or has supervised examination of the facility by appropriately qualified personnel. The undersigned Registered Professional Engineer attests that this Spill Prevention, Control, and Countermeasure Plan has been prepared in accordance with good engineering practice, including consideration of applicable industry standards and the requirements of 40 CFR part 112; that procedures for required inspections and testing have been established; and that this Plan is adequate for the facility [112.3(d)].

Such certification shall in no way relieve the owner or operator of a facility of his duty to prepare and fully implement the SPCC Plan in accordance with the requirements of this part.

HIEDI WALLER
NAME

33741
REGISTRATION NUMBER

WISCONSIN
STATE

6/30/2022
DATE

ENGINEER STAMP WILL BE AFFIXED ONCE COVID-19 RESTRICTIONS ARE EASED.







Hiedi Ann Waller

Document No.: WI-EHS-016	Revision Date: 6/30/2022	Revision No.: 003
Document Title: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN		
Certified By: CEO		Certified Date: 6/30/2022




APPENDIX C FACILITY MAPS AND DIAGRAMS

The maps below depict various elements of the facility. The Facility Diagram includes location of oil storage, spill kits and the above ground storage tanks.

Figure ID	Description	Figure
Figure C-1	Topographical Map	 Appendix C - C-1 - Topographical Map.
Figure C-2	Site Map	 Appendix C - C-2 Site.pdf
Figure C-3	Surface Waters and Streams	 Appendix C - C-3 Surface Waters and
Figure C-4	Spill Kits	 Appendix C - C-4 Spill Kits.pdf

Spill kits have been placed in designated areas within the facility and are visually monitored and restocked as necessary. See the Spill Kit Map for specific locations.


Area	Building	Spill Kit
Staging and Storage	Room 124	Universal Spill Kit
Hazardous Storage	Room 125	Universal Spill Kit
Hazardous Storage and Processing	Room 126	Universal Spill Kit
Non-Hazardous Storage and Processing	Room 127	Universal Spill Kit

Document No.: WI-EHS-016	Revision Date: 6/30/2022	Revision No.: 003	
Document Title: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN			
Certified By: CEO		Certified Date: 6/30/2022	

**APPENDIX D
EMERGENCY CONTACT INFORMATION**

Emergency contact information is located in the Emergency Management Response Plan (WI-EHS-005, Appendix A) and posted throughout the facility. In an effort to reduce redundancy and ensure accuracy of the information available, the list shall not be maintained as part of this plan.

The organization has established a prearranged agreement with the local police department, fire department, and emergency response teams. The pre-arrangements have been established in the form of written notification to the agencies and medical facilities and includes information on the building layout, places where personnel work, entrances to the site and evacuation routes. In addition, the organization has established a prearranged agreement with outside companies to respond should a spill incident occur to assist in spill response, management, cleanup and regulatory reporting and requirements. This information is located in the Emergency Management Plan (WI-EHS-005, Appendix E). In an effort to reduce redundancy and ensure accuracy of the information available, the list shall not be maintained as part of this plan.

Document No.: WI-EHS-016	Revision Date: 6/30/2022	Revision No.: 003	
Document Title: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN			
Certified By: CEO		Certified Date: 6/30/2022	

APPENDIX E SPILL REPORTING REQUIREMENTS

In addition to the emergency response procedures previously established and outlined with this plan, additional immediate reporting requirements shall be required for discharges of spills of hazardous substances.

WDNR Reportable Spills

Spills are reportable to the Wisconsin DNR if:

- there is an impact to human health (an evacuation is considered a threat to human health)
- there is an impact to the environment (includes sanitary sewer, storm sewer and/or surface water)
- there is a fire, explosion or safety hazard
- the spill has NOT been immediately cleaned up (in accordance with NR700-726)
- the spill is more than reportable quantities:
 - petroleum product completely contained on an impervious surface.
 - less than 1 gallon of gasoline or light grade petroleum product onto a pervious surface or runs off an impervious surface.
 - less than 5 gallons of medium or heavy grade petroleum products onto a pervious surface or runs off an impervious surface.

****Special Note.** A hazardous substance that is “discharged” into a secondary containment structure, that is completely contained and can be recovered with no discharge to the environment, is not subject to the discharge notification requirement.**

WDNR Notification

In the event of a release, **call the 24-hour spill hotline at 1-800-943-0003.**

If there is a release that could threaten human health outside the facility or if a spill reaches surface water, **immediately notify the National Response Center at (800) 424-8802.**

Federal Reporting Requirements

A responsible party may also have to comply with other state and/or federal reporting requirements relating to the Emergency Planning and Community Right to Know Act (EPCRA) or the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Contact the Environmental Consultant for assistance.

WDNR Spill Notification Form
(4400-225)




EHS010 -
Emergency Respons

WDNR Spill Fact Sheet




EHS010 -
Emergency Respons

Document No.: WI-EHS-016	Revision Date: 6/30/2022	Revision No.: 003	
Document Title: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN			
Certified By: CEO	Certified Date: 6/30/2022		

WDNR Spill Coordinators



EHS010 -
Emergency Respons


Document No.: WI-EHS-016	Revision Date: 6/30/2022	Revision No.: 003	
Document Title: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN			
Certified By: CEO		Certified Date: 6/30/2022	

**APPENDIX F
SECONDARY CONTAINMENT CALCULATIONS**

The secondary containment calculations for the various self-contained warehouses and above ground storage tanks containment structures are contained within the Secondary Containment Calculations documentation.



Appendix F -
Secondary Containn





Document No.: WI-EHS-016	Revision Date: 6/30/2022	Revision No.: 003	
Document Title: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN			
Certified By: CEO	Certified Date: 6/30/2022		

**APPENDIX G
INSPECTIONS AND TESTS RECORDS AND FORMS**

Integrity testing and routine inspections are required for all containers with a capacity of 55-gallons or more. Oil filled equipment is not subject to the integrity testing requirements. The inspections conducted shall be in accordance with the Steel Tank Institute (STI) SP001 Standard for the Inspection of Aboveground Storage Tanks and Portable Containers (STI SP001).


The inspections shall be conducted by designated and knowledgeable person and documented as part of the total preventative maintenance program. The records of the inspections shall be retained for a minimum period of three year.

Inspection and Test Plan

Inspection	Standard	Frequency	Inspector	Inspection Form
Above Ground Storage Tanks and Piping	STI SP001	Monthly	Internal Personnel	 Appendix G - STI SP001 Monthly Tank
Above Ground Storage Tanks and Piping	STI SP001	Annual	STP001 or API Inspector	 Appendix G - STI SP001 Annual Tank
Above Ground Storage Overfill Alarm	STI SP001	Annual	STP001 or API Inspector	See Above Document
Above Ground Storage Liquid Level Gauge	STI SP001	Annual	STP001 or API Inspector	See Above Document
Above Ground Storage Tanks and Piping	STI SP001	20-Year	STP001 or API Inspector	Vendor Documentation
Portable Containers	STI SP001	Monthly	Internal Personnel	 Appendix G - STI Portable Container I
Record of Secondary Containment Observation and Drawings	40 CFR 112.8	Frequently	Internal Personnel	 Record of Secondary Containn

Above Ground Storage Tanks and Piping. Under the STI SP0001 Standard, a visual inspection protocol is only required for the above ground storage tanks due to their capacity and adequate secondary containment. Therefore, the inspection and testing protocol indicated above is acceptable and will satisfy the integrity testing requirements.


Overfill Alarm. The overfill alarm will be tested on an annual basis to determine functionality. The tanks are equipped with dual high-level switches, approved emergency vents and fusible link valves, as well as, a visual direct-reading or automated tank level gauge.

Document No.: WI-EHS-016	Revision Date: 6/30/2022	Revision No.: 003	
Document Title: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN			
Certified By: CEO		Certified Date: 6/30/2022	

Liquid Level Gauges. The liquid level gauge shall be tested to determine functionality. The liquid level gauge are mechanical sight gauges that indicate the liquid level based on the head pressure that it exerts on a column of liquid.

Portable Containers. Under the STI SP0001 Standard, a visual testing inspection protocol is only required for potable containers such as drums and totes. A visual inspection of all portable containers is conducted on a daily basis as part of the Facility Inspection. In addition, a baseline determination of metal thickness of a portable container is not required. Therefore, the inspection and testing protocol indicated above is acceptable and will satisfy the integrity testing requirements.

Secondary Containment. Under 40 CFR 112.8, a visual inspection shall be conducted on a daily basis as part of the Facility Inspection which also addressed any accumulation of precipitation from a natural weather event (e.g., rainwater, snow, ice, etc.) from the secondary containment structures associated with above ground storage tanks. The evaluation and discharge events are documented.

Document No.: WI-EHS-016	Revision Date: 6/30/2022	Revision No.: 003	
Document Title: SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN			
Certified By: CEO		Certified Date: 6/30/2022	

**APPENDIX H
SPILL PREVENTION, CONTROL AND COUNTERMEASURE (SPCC) PLAN TRAINING
PROTOCOL**

PURPOSE To ensure employees understand the impact that their job responsibilities may have on causing spills and the proper prevention, controls and countermeasures should a spill occur.

SCOPE Based upon the on-site storage of oil and oil-related products in containers of 55-gallons or greater with a total aggregated amount of 1,320-gallons or more.

REQUIREMENT Training is required initially and annually thereafter.

EQUIPMENT Employees shall be knowledgeable in the equipment in the area including, but not limited to:

- Spill Kits (Location and Contents)

TRAINING MATERIALS The below materials should be used to meet the training requirements:

- Spill Prevention, Control and Countermeasure: Training Video
- Spill Prevention, Control and Countermeasure Presentation
- WDNR Handout: Hazardous Substance Spills in WI (RR604)
- WDNR Handout: Reporting Hazardous Spills (RR560)
- Spill Prevention, Control and Countermeasure Plan (WI-EHS-016)


TRAINING TOPICS The elements covered within the training program includes:

- Introduction
- SPCC Plan and The Law
- Oil Handling Equipment
- Oil Spill Prevention Controls
- Loading and Unloading
- Spill Response
- Security
- Review the Spill Prevention, Control and Countermeasure Plan
- Discussion of Potential Contaminates at the Site
- Discussion of Potential Improvements
- Discussion of any Spills at the Site in the past year

DOCUMENTATION Maintain the sign-in sheet as documentation of training and comprehension.

ADDITIONAL COMMENTS None.

APPENDIX L: TRAINING AND COMPETENCE PLAN

Document No.: OPS-SOP-032	Revision Date: 6/23/2022	Revision No.: 005	
Document Title: TRAINING AND COMPETENCE			
Certified By: CEO		Certified Date: 6/23/2022	

1.0 PURPOSE

1.1 The purpose of the training and competency plan is to ensure employees are instructed and knowledgeable to perform their job responsibilities in a manner that ensures compliance with the facility's requirements, including but not limited to, procedures related to hazardous waste management/handling, emergency response and chemicals hazards/safety.

2.0 SCOPE

2.1 The scope of this document covers training requirements for the individual positions present within the organization in accordance with the organization chart. In addition, it establishes safety briefings for visitors and contractors that may become present on-site.

3.0 LEGAL COMPLIANCE

3.1 The organization has developed a training program based on the regulatory requirements pursuant to applicable requirements under the Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations 1910.120(e), Environmental Protection Agency (EPA) 40 CFR 264.16, WDNR 670.014(2)(l), the Department of Transportation (DOT) 49 CFR 172.704 and their associated reference regulatory requirements, as well as, facility specific processes and applicable state and local regulations.

4.0 DEFINITIONS

4.1 Competent. Ability to apply knowledge and skills to achieve intended results.

5.0 ORGANIZATION AND PERSONNEL RESPONSIBILITIES

5.1 CEO. The CEO shall act as the program administrator and ensure all employees receive the training required to conduct their job. In addition, the CEO may conduct or direct initial or reoccurring training, as required.

5.2 Technical Service Manager. The Technical Service Manager will be responsible for conducting or directing initial or reoccurring training as directed by the CEO.

5.3 Operations Manager. The Operations Manager will be responsible for conducting or directing initial or reoccurring training as directed by the CEO.


5.4 Sales and Marketing Manager. The Sales and Marketing Manager will be responsible for conducting or directing initial or reoccurring training as directed by the CEO.

5.5 Employees. Employees shall be responsible for participating and completing the initial required training and maintaining the required competency to fulfill their job responsibilities through reoccurring training as required.

6.0 ORGANIZATION CHART and JOB DESCRIPTIONS

6.1 The Organizational Chart (Appendix A) depicts the positions at the organization, supervisory personal for each position and identifies those job titles which are directly or indirectly involved with the management and handling of waste, waste related activities and support, and emergency management.

6.2 The organization Job Description Summary (Appendix B) summarizes each employee's job responsibilities.

Document No.: OPS-SOP-032	Revision Date: 6/23/2022	Revision No.: 005	
Document Title: TRAINING AND COMPETENCE			
Certified By: CEO		Certified Date: 6/23/2022	

7.0 TRAINING PROGRAMS

7.1 Employees shall receive training on the various training courses appropriate to the level of their expected job position and responsibilities as depicted on the Training Matrix (Appendix C) to meet actual job tasks. The objective of the training shall be to ensure that personnel are knowledgeable to perform their job responsibilities including, but not limited to, hazardous waste management procedures, emergency procedures, emergency equipment and system, personal protective equipment, and other relevant topics.

8.0 TRAINING OUTLINE

8.1 Training outlines have been developed for each training course identified in the Training Matrix (Appendix C) associated with the positions within the organization.

9.0 NEW HIRE TRAINING and FREQUENCY

9.1 Training shall be provided at the time of initial employment and reoccurring training provided as depicted in the Training Matrix (Appendix C). Training for all new hires shall be completed within 6-months of their start date and before working positions, locations or capacities without immediate supervision. Reoccurring training shall be provided as depicted in the Training Matrix (Appendix C), procedural change, drills/exercises demonstrate opportunities for improvement or the employee demonstrates a lack of comprehension.

10.0 TRAINING DOCUMENTATION

10.1 The employee training record contains a job title. Each job title has a job description that includes the requisite skill, education or other qualifications, and the duties of employees assigned to each position. Training requirements are linked to the job titles in the Training Matrix (Appendix C). Records shall be maintained for all employees for all training received which may include a certificate, written examination, a sign-in sheet or other type of documentation to validate that training has been completed. Training records shall be retained for all current employees. Training records for former employees and for visitors and contractors shall be maintained for three years from their termination/resignation date.


11.0 COMPETENCY

11.1 The organization has determined the necessary competency of employees conducting work under its control that affects its ability to fulfill its compliance obligations and organizational requirements through documented job descriptions for each position which identifies that education, experience and skills required for the position. An employee meeting the requirements of the job description for their respective position and whom has completed the internal training programs shall be considered competent.

11.2 Employee's competency shall be continuously evaluated to assess their effectiveness through the annual performance review process, electronic or written examination, quality of work performed and manager's observation of work conducted. In addition, the employee shall participate in continuous education, seminars, and training courses as directed by the organization to ensure the level of competency for each job description is maintained or elevated, as the job requires.

12.0 VISTORS, CONTRACTORS and TRANPORTATION PERSONNEL

12.1 Visitors that become present on-site and do not conduct work shall be escorted by an employee at all time when outside of office areas. In addition, they will be provided with the Visitor Safety Information Sheet.

Document No.: OPS-SOP-032	Revision Date: 6/23/2022	Revision No.: 005	
Document Title: TRAINING AND COMPETENCE			
Certified By: CEO		Certified Date: 6/23/2022	

- 12.2 Contractors that become present on-site to conduct work will be required to review and acknowledge the information present in the Contractor HSE Manual which includes emergency and evacuation procedures, hazards present at the facility, associated facility procedures and limitations prior to the start of work.
- 12.3 Third party transporters Transportation vehicle personal that become present on-site for which transferring operations are conducted involving their vehicle be provided with the Visitor Safety Information Sheet and will be required to follow the direction by the Enviro-Safe personnel established in the Unloading/Loading Procedure. The Unloading/Loading Procedure establishes the protocol to prepare the vehicle for loading/unloading activities. Both the transportation vehicle personnel (responsible for the function of the vehicle) and facility operations personnel (responsible for the loading/unloading activities) are required to be present during these operations.
- 12.4 The organization does not utilize temporary employees that conduct work in licensed hazardous waste storage or treatment areas.

13.0 RELATED DOCUMENTS

- 13.1 Appendix A - Organization Chart
13.2 Appendix B - Job Description Summary
13.3 Appendix C - Training Matrix

14.0 REFERENCE DOCUMENTS

- 14.1 None

15.0 REVISION SUMMARY

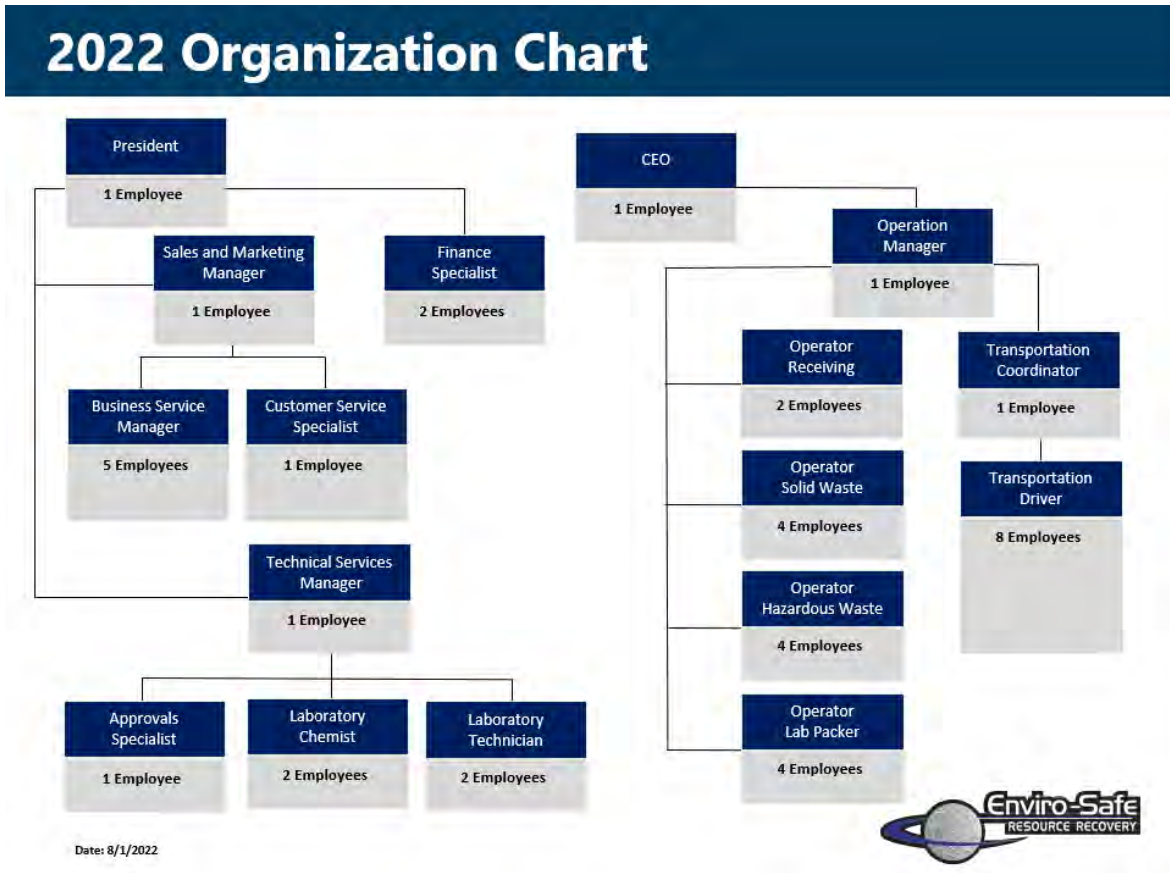
Revision	Date	Description of changes	Requested By
000	2/3/2020	Initial Release	D. Zellmer
001	3/20/2020	Revised to include additional job description summary.	D. Zellmer
002	8/19/2021	Revised to include WDNR recommendations.	D. Zellmer
003	9/3/2021	Revised to include WDNR recommendations.	D. Zellmer
004	10/11/2021	Revised to include WDNR recommendations.	D. Zellmer
005	6/23/2022	Revised to include WDNR recommendations and update Organization Chart.	D. Zellmer

Document No.: OPS-SOP-032	Revision Date: 6/23/2022	Revision No.: 005
Document Title: TRAINING AND COMPETENCE		
Certified By: CEO		Certified Date: 6/23/2022



APPENDIX A ORGANIZATION CHART

Below is the organization chart with the estimated number of employees hired for each job position at the organization.



Document No.: OPS-SOP-032	Revision Date: 6/23/2022	Revision No.: 005
Document Title: TRAINING AND COMPETENCE		
Certified By: CEO		Certified Date: 6/23/2022



APPENDIX B JOB DESCRIPTION SUMMARY

Below is a list of the job position at the organization for which job descriptions have been developed that may be directly or indirectly involved with the handling of hazardous waste at the organization.

Job Title	Job Description	Job Title	Job Description
CEO	 CEO.doc	Laboratory Technician	 Laboratory Technician.doc
President	 President.doc	Operations Manager	 Operation Manager.doc
Sales & Marketing Manager	 Sales and Marketing Manager	Operator - Receiving	 Operator - Receiving.doc
Business Service Manager	 Business Service Manager.doc	Operator - Solid Waste	 Operator - Solid Waste.doc
Customer Service Specialist	 Customer Service Specialist.doc	Operator - Hazardous Waste	 Operator - Hazardous Waste.doc
Financial Specialist	 Finance Specialist.doc	Operator - Lab Packer	 Operator - Labpacker.doc
Technical Service Manager	 Technical Service Manager.doc	Transportation Coordinator	 Transportation Coordinator.doc
Approvals Specialist	 Approval Specialist.doc	Transportation Driver	 Transportation Driver.doc
Laboratory Chemist	 Laboratory Chemist.doc		



Job Description

Job Title:	CEO	FLSA Status:	Non-Exempt
Department:	N/A	Type:	Full-Time
Manager:	N/A	Approval Date:	8/6/2021

Job Summary:

This position is responsible for providing executive management and direction of the organization.

Education/Experience

- Bachelor of Science in Business, Operations, or related discipline required
- 10 or more years' experience in the hazardous waste industry or related work experience preferred

Certification/Licenses

- None

Knowledge, Skills and Ability

- Excellent leadership skills
- Strong customer service orientated
- Strong problem-solving skills
- Excellent interpersonal and communication skills
- Ability to organize and manage multiple deadlines
- Computer proficiency

Essential Duties and Responsibilities

- Leadership. Creates an environment and culture that focuses on fulfilling the organization's mission, vision and values. Leading and motivating subordinated to advance employee engagement and to develop a high performing managerial team. Represent the company at important business functions, community events, industry training and events and networking opportunities.
- Management. Operational management of all business departments. Develop high level business strategic planning to ensure alignment with short-term and long-term objectives. Monitor company performance by measuring and analyzing results, initiating corrective actions and minimizing the impact of variances. Ensure quality metrics are achieved through sound business processes following regulatory agency guidelines. Implement operating cost controls to maximize organization profitability
- Operations. Oversees the overall operations of the organization. Oversees site utilization, expansions, acquisition integration and overall expenses.
- Compliance. Maintain current knowledge of compliance and regulatory standards affecting the facility including permits, license and other requirements. Support all business departments to ensure continued compliance.
- Other. Act as the primary emergency coordinator. Conduct other emergency management activities as directed in the Emergency Management Plan.

Non-Essential Duties and Responsibilities

- Perform other duties as required.

Work Environment

The physical demands and work environment described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this position, the employee will frequently handle and be exposed to



Job Description

hazardous waste, hazardous materials and other chemicals while conducting sampling and testing activities for received material or repacking, bulking, consolidation and treatment (fuel blending) operations.

Physical Requirements

The physical demands described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Frequency Vales: N/A = Not Applicable Occasionally = 1-35% Frequently = 36-66% Continuously = 67-100%

General			
Sitting:	Frequently	Bending:	Occasionally
Standing:	Frequently	Noise Level:	Minimal
Walking:	Frequently	Twisting:	Occasionally
Fine Finger Movements:	Frequently	Climb/Work Aloft:	Occasionally
Eye-Hand Coordination:	Continuously	Reach Above Shoulders:	Occasionally

Lifting			
Up to 10 lbs.:	Occasionally	51 to 100 lbs.:	N/A
11 to 20 lbs.:	Occasionally	Over 100 lbs.:	N/A
21 to 50 lbs.:	N/A		

Weather Conditions			
Indoors:	Continuously	Snow/Ice:	Occasionally
Outdoors:	Occasionally	Wind:	Occasionally
Sun:	Occasionally	Temperature Range:	-20F to 1110F
Rain:	Occasionally		

Personal Protective Equipment			
Safety Glasses:	Occasionally	Gloves:	N/A
Hard Hat:	N/A	Clothing/Coveralls/Tyvek:	N/A
Hearing Protection:	N/A	Respirator- Dust Mask:	N/A
Steel-Toe Boots/Shoes:	N/A	Respirator - Air-Purifying:	N/A
Apron/Lab Coat:	N/A		

Employee Acknowledgement

I have reviewed this document and understand the responsibilities of this position.

Name (Printed): _____

Signature: _____

Date: _____



Job Description



Job Description

Job Title: President

FLSA Status: Non-Exempt

Department: N/A

Type: Full-Time

Manager: N/A

Approval Date: 8/6/2021

Job Summary:

This position is responsible for providing executive management and direction of the organization.

Education/Experience

- Bachelor of Science in Business Management or related discipline required
- 10 or more years' experience in the hazardous waste industry or related work experience preferred

Certification/Licenses

- None

Knowledge, Skills and Ability

- Excellent leadership skills
- Strong customer service orientated
- Strong problem-solving skills
- Excellent interpersonal and communication skills
- Ability to organize and manage multiple deadlines
- Computer proficiency

Essential Duties and Responsibilities

- **Leadership.** Creates an environment and culture that focuses on fulfilling the organization's mission, vision and values. Leading and motivating subordinated to advance employee engagement and to develop a high performing managerial team. Represent the company at important business functions, community events, industry training and events and networking opportunities.

- **Management.** Operational management of all business departments. Develop high level business strategic planning to ensure alignment with short-term and long-term objectives. Monitor company performance by measuring and analyzing results, initiating corrective actions and minimizing the impact of variances. Ensure quality metrics are achieved through sound business processes following regulatory agency guidelines. Implement operating cost controls to maximize organization profitability. Projecting acquisition and expansion prospects, analyzing organization operations, identifying opportunities for improvement, cost reduction, system enhancements and accumulating capital to fund expansion.

- **Sales and Marketing.** Manages the design and implementation of new products and services. Oversees brand development and the implementation of effective marketing strategies. Develops business prospects by studying economic trends and revenue opportunities. Manage and conduct contract negotiations.

- **Financial.** Oversee finance performance and risk profile while ensuring that all regulatory obligations are met. Ensure the timely month-end financial and operations reviews. Overall responsible for the profile and losses of the organization.

- **Compliance.** Maintain current knowledge of compliance and regulatory standards affecting the facility including permits, license and other requirements. Support all business departments to ensure continued compliance.

- **Other.** Act as the alternative emergency coordinator in the absence of the primary emergency coordinator and other personnel. Conduct other emergency management activities as directed in the Emergency Management Plan.



Job Description

Non-Essential Duties and Responsibilities

- Perform other duties as required.

Work Environment

The physical demands and work environment described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this position, the employee will frequently handle and be exposed to hazardous waste, hazardous materials and other chemicals while conducting sampling and testing activities for received material or repacking, bulking, consolidation and treatment (fuel blending) operations.

Physical Requirements

The physical demands described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Frequency Vales: N/A = Not Applicable Occasionally = 1-35% Frequently = 36-66% Continuously = 67-100%

General			
Sitting:	Frequently	Bending:	Occasionally
Standing:	Frequently	Noise Level:	Minimal
Walking:	Frequently	Twisting:	Occasionally
Fine Finger Movements:	Frequently	Climb/Work Aloft:	Occasionally
Eye-Hand Coordination:	Continuously	Reach Above Shoulders:	Occasionally

Lifting			
Up to 10 lbs.:	Occasionally	51 to 100 lbs.:	N/A
11 to 20 lbs.:	Occasionally	Over 100 lbs.:	N/A
21 to 50 lbs.:	N/A		

Weather Conditions			
Indoors:	Continuously	Snow/Ice:	Occasionally
Outdoors:	Occasionally	Wind:	Occasionally
Sun:	Occasionally	Temperature Range:	-20F to 1110F
Rain:	Occasionally		

Personal Protective Equipment			
Safety Glasses:	Occasionally	Gloves:	N/A
Hard Hat:	N/A	Clothing/Coveralls/Tyvek:	N/A
Hearing Protection:	N/A	Respirator- Dust Mask:	N/A
Steel-Toe Boots/Shoes:	N/A	Respirator - Air-Purifying:	N/A
Apron/Lab Coat:	N/A		

Employee Acknowledgement



Job Description

I have reviewed this document and understand the responsibilities of this position.

Name (Printed): _____

Signature: _____

Date: _____



Job Description

Job Title:	Sales and Marketing Manager	FLSA Status:	Non-Exempt
Department:	Sales and Marketing	Type:	Full-Time
Manager:	President	Approval Date:	10/11/2021

Job Summary:

This position is responsible for the overall activities of sales and marketing associated with the

Education/Experience

- Bachelor of Science in Business, Operations, or related discipline required
- 4 or more years' experience in the hazardous waste industry or related work experience preferred

Certification/Licenses

- Certified Hazardous Material Manager (CHMM) preferred

Knowledge, Skills and Ability

- Excellent leadership skills
- Strong customer service orientated
- Strong problem-solving skills
- Excellent interpersonal and communication skills
- Ability to organize and manage multiple deadlines
- Computer proficiency

Essential Duties and Responsibilities

- **Management.** Build and lead the overall sales and marketing of the organization to ensure daily tactical activities are completed and long-term goals of the organization are achieved including position staffing. Model high standards of good decision-making and judgment, collaboration, agility, and accountability. Hire and develop the best people for skills and culture. Actively lead and engage in talent development to create high-performing talent within area of responsibility. Encourage leadership and creativity from individual employees, leveraging individual strengths and all levels of talent.
- **Sales.** Responsible for delivering top and bottom-line business goals and results. Effectively communicate the brand strategy of where to play, how to win, shape sales strategies while actively leading alignment across all departments. Ensure delivery of current year business and financial results to ensure topline growth through new business channel opportunities. Drive and leverage pricing power. Maximize pricing power recognizing the pricing corridors and carefully manage and maximize margins. Identify, build, and develop essential capabilities to deliver results while remaining agile. Leverage internal capabilities to achieve agility and speed in the marketplace.
- **Marketing.** Lead strategic market and portfolio analysis by identifying growth opportunities. Execute the brand strategy to achieve sales and profitability goals with stealthy excellence. Implement a winning marketing and communications strategy that maximizes customer engagement; earned media value and leverages differential competitive advantage.
- **Customer Support.** Assist clients with sampling and profiling activities. Work with internal personnel in determining proper treatment methodology based on client's requests and facility acceptability criteria. Facilitate communication for scheduled pickups and on-site direction, as needed. Complete other customer support functions as warranted.
- **Administrative.** Conduct supporting sales and marketing functions such as monitoring organization performance by measuring and analytic results, initiating corrective actions and minimizing the impact of variances. Report performance metrics to upper management.



Job Description

- Compliance. Maintain current knowledge of compliance and regulatory standards. Develop professional relationships with industry associations and proactively monitor relevant governmental bodies to identify changes in legislation/regulations. Support internal and external clients by providing technical expertise and industry best practice knowledge and resources. Develop, implement and maintain standard operating procedures and work instructions for all functions/activities under area of responsibility.

Non-Essential Duties and Responsibilities

- Perform other duties as required.

Work Environment

The physical demands and work environment described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this position, the employee will frequently handle and be exposed to hazardous waste, hazardous materials and other chemicals while conducting sampling and testing activities for received material or repacking, bulking, consolidation and treatment (fuel blending) operations.

Physical Requirements

The physical demands described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Frequency Vales: N/A = Not Applicable Occasionally = 1-35% Frequently = 36-66% Continuously = 67-100%

General			
Sitting:	Frequently	Bending:	Occasionally
Standing:	Frequently	Noise Level:	Minimal
Walking:	Frequently	Twisting:	Occasionally
Fine Finger Movements:	Frequently	Climb/Work Aloft:	Occasionally
Eye-Hand Coordination:	Continuously	Reach Above Shoulders:	Occasionally

Lifting			
Up to 10 lbs.:	Occasionally	51 to 100 lbs.:	N/A
11 to 20 lbs.:	Occasionally	Over 100 lbs.:	N/A
21 to 50 lbs.:	N/A		

Weather Conditions			
Indoors:	Continuously	Snow/Ice:	Occasionally
Outdoors:	Occasionally	Wind:	Occasionally
Sun:	Occasionally	Temperature Range:	-20F to 1110F
Rain:	Occasionally		

Personal Protective Equipment			
Safety Glasses:	Occasionally	Gloves:	N/A



Job Description

Hard Hat:	N/A	Clothing/Coveralls/Tyvek:	N/A
Hearing Protection:	N/A	Respirator- Dust Mask:	N/A
Steel-Toe Boots/Shoes:	N/A	Respirator - Air-Purifying:	N/A
Apron/Lab Coat:	N/A		

Employee Acknowledgement

I have reviewed this document and understand the responsibilities of this position.

Name (Printed): _____

Signature: _____

Date: _____



Job Description

Job Title:	Business Service Manager	FLSA Status:	Non-Exempt
Department:	Sales and Marketing	Type:	Full-Time
Manager:	Sales and Marketing Manager	Approval Date:	8/6/2021

Job Summary:

The primary responsibility for this position is managing sales of the organization's products and services within a defined geographical area and market segment.

Education/Experience

- Bachelor's Degree in Marketing, Business or Science related studies is preferred
- A minimum of 4-years' experience in environmental or chemical sales

Certification/Licenses

- Driver's License Required
- Certified Hazardous Material Manager (CHMM) Certification preferred

Knowledge, Skills and Ability

- Strong team member
- Strong customer service orientated
- Strong interpersonal and communication skills
- Ability to manage multiple projects
- Ability to present technical information
- Computer proficiency

Essential Duties and Responsibilities

- Sales - General. Develop consistent, profitable sales growth within a defined territory and specific market segments. Identifies objectives, strategies and action plans to improve short-term and long-term sales and revenue growth with existing clients and new clients. Utilize existing network of contacts to increase market share.
- Sales - Development. Identify and develop new business opportunities within the defined territory and market segment assigned for the products and services offered. Identifying target accounts and provide annual forecasting of new sales revenue to meet or exceed organization expectations. Full cycle sales (from identifying opportunities, meeting with prospect, crafting proposal and closing engagement). Manage sales reporting as needed.
- Sales - Maintenance. Manage a portfolio of existing accounts for retention and continue revenue growth. Maintain client relationships through face-to-face meetings and other communication tools. Maintain and expand relationship.
- Marketing. Develop company brand recognition through the industry. Collaborate with the sales and marketing team to develop strategies for marketing efforts, sales promotions and trade shows.
- Customer Support. Assist clients with sampling and profiling activities. Work with internal personnel in determining proper treatment methodology based on client's requests and facility acceptability criteria. Facilitate communication for scheduled pickups and on-site direction, as needed. Complete other customer support functions as warranted.
- Compliance. Maintain current knowledge of compliance and regulatory standards. Support external clients by providing technical expertise and industry best practice knowledge and resources.

Non-Essential Duties and Responsibilities

- Perform other duties as assigned.



Job Description

Work Environment

The physical demands and work environment described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this position, the employee will frequently handle and be exposed to hazardous waste, hazardous materials and other chemicals while conducting sampling and testing activities for received material or repacking, bulking, consolidation and treatment (fuel blending) operations.

Physical Requirements

The physical demands described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Frequency Vales: N/A = Not Applicable Occasionally = 1-35% Frequently = 36-66% Continuously = 67-100%

General			
Sitting:	Frequently	Bending:	Occasionally
Standing:	Frequently	Noise Level:	Minimal
Walking:	Frequently	Twisting:	Frequently
Fine Finger Movements:	Frequently	Climb/Work Aloft:	Occasionally
Eye-Hand Coordination:	Continuously	Reach Above Shoulders:	Occasionally

Lifting			
Up to 10 lbs.:	Continuously	51 to 100 lbs.:	Occasionally
11 to 20 lbs.:	Frequently	Over 100 lbs.:	N/A
21 to 50 lbs.:	Occasionally		

Weather Conditions			
Indoors:	Continuously	Snow/Ice:	Occasionally
Outdoors:	Occasionally	Wind:	Occasionally
Sun:	Occasionally	Temperature Range:	-20F to 1110F
Rain:	Occasionally		

Personal Protective Equipment			
Safety Glasses:	Continuously	Gloves:	Frequently
Hard Hat:	Occasionally	Clothing/Coveralls/Tyvek:	Continuously
Hearing Protection:	Occasionally	Respirator- Dust Mask:	Occasionally
Steel-Toe Boots/Shoes:	Continuously	Respirator - Air-Purifying:	Occasionally
Apron/Lab Coat:	Continuously		

Employee Acknowledgement



Job Description

I have reviewed this document and understand the responsibilities of this position.

Name (Printed): _____

Signature: _____

Date: _____



Job Description

Job Title:	Customer Service Specialist	FLSA Status:	Non-Exempt
Department:	Sales and Marketing	Type:	Full-Time
Manager:	Sales and Marketing Manager	Approval Date:	6/23/2022

Job Summary:

This position is primary responsibility for overall customer service for customer satisfaction and support to the sales and marketing team to facilitate company growth.

Education/Experience

- Bachelor's degree in Environmental Sciences, Chemistry or Business.
- 2 or more years' experience in customer service or related role.

Certification/Licenses

- None

Knowledge, Skills and Ability

- Strong team player
- Strong customer service orientated
- Strong problem-solving abilities and able to work in a fast-paced environment
- Excellent interpersonal and communication skills
- Ability to organize and manage multiple deadlines
- Ability to follow through on assignments and problem solve
- Computer proficiency

Essential Duties and Responsibilities

- Customer Support. Use telephone effectively and appropriately to assist clients with inquiries and service request to provide a high-level customer service experience. Receive customer orders and initiate sales order generation and routing. Interface with clients and internal staff to assist to address inquiries from clients, including presenting the organization's full-service capabilities to potential and current client base. Address client challenges, communicate them to the Sales Business Manager, and achieve problem resolution with limited guidance. Interact cooperatively with internal staff to provide solutions and resolution for client's needs.
- Sales Support. Support sales and marketing team with their portfolio of accounts for retention and continue revenue growth. Assist in qualifying incoming leads and direct to sales and marketing for follow-up. Collaborates with the sales and marketing team to develop sales strategies to improve market share for all products and services. Assist sales and marketing team with preparing quotes for proposed services to be rendered, new client set-up, profiling, approvals, recertification and other documentation.
- Administrative Functions. Maintain systems related to customer database, shipping and COD/COR documentation, customer price schedule and other documentation.
- Compliance. Maintain current knowledge of compliance and regulatory standards. Support external clients by providing technical expertise and industry best practice knowledge and resources.

Non-Essential Duties and Responsibilities

- Perform other duties as assigned.

Work Environment

The physical demands and work environment described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential



Job Description

functions.

Physical Requirements

The physical demands described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Frequency Vales: N/A = Not Applicable Occasionally = 1-35% Frequently = 36-66% Continuously = 67-100%

General			
Sitting:	Frequently	Bending:	Occasionally
Standing:	Frequently	Noise Level:	Minimal
Walking:	Frequently	Twisting:	Occasionally
Fine Finger Movements:	Frequently	Climb/Work Aloft:	Occasionally
Eye-Hand Coordination:	Continuously	Reach Above Shoulders:	Occasionally

Lifting			
Up to 10 lbs.:	Occasionally	51 to 100 lbs.:	N/A
11 to 20 lbs.:	Occasionally	Over 100 lbs.:	N/A
21 to 50 lbs.:	N/A		

Weather Conditions			
Indoors:	Continuously	Snow/Ice:	Occasionally
Outdoors:	Occasionally	Wind:	Occasionally
Sun:	Occasionally	Temperature Range:	-20F to 1110F
Rain:	Occasionally		

Personal Protective Equipment			
Safety Glasses:	Occasionally	Gloves:	N/A
Hard Hat:	N/A	Clothing/Coveralls/Tyvek:	N/A
Hearing Protection:	N/A	Respirator- Dust Mask:	N/A
Steel-Toe Boots/Shoes:	N/A	Respirator - Air-Purifying:	N/A
Apron/Lab Coat:	N/A		

Employee Acknowledgement

I have reviewed this document and understand the responsibilities of this position.

Name (Printed): _____

Signature: _____

Date: _____



Job Description

Job Title:	Finance Specialist	FLSA Status:	Non-Exempt
Department:	Sales and Marketing	Type:	Full-Time
Manager:	Sales and Marketing Manager	Approval Date:	8/6/2021

Job Summary:

The primary responsibility for this position is to provide financial, administrative and clerical services including accuracy and efficiency of operations, processing and monitoring incoming payments and securing revenue by verifying and posting receipts.

Education/Experience

- A high school diploma or equivalent required
- Experience with QuickBooks preferred

Certification/Licenses

- None

Knowledge, Skills and Ability

- Strong team member
- Strong customer service orientated
- Strong problem-solving skills
- Excellent interpersonal and communication skills
- Ability to organize and manage multiple deadlines
- Computer proficiency

Essential Duties and Responsibilities

- Accounts Receivable. Process client invoices. Code, post and receipt payments. Monitor client accounts for nonpayment and/or delayed payment. Perform all necessary account, bank and other reconciliations. Prepare and submit client statements. Report greater than 60 days past due accounts to President for potential "credit hold" classification. Maintain client files.
- Accounts Payable. Check, verify and process invoices in accordance with work performed. Maintain cost/sell pricing for each client and relay any changes to Sales Personnel. Prepare payments for signature. Sort, code and enter accounts payable data. Analyze discrepancies and unpaid invoices. Maintain vendor files.
- Finance Support Functions. Conduct the day-to-day operational and administrative needs of the organization to include issuing purchase orders, processing materials received and providing financial reports as requested. Keep QuickBooks current.
- HR Support Functions. Track employee vacation and personnel time. Validate and approve payroll. Administer employee expense reports. Complete quarterly commission statements.
- Compliance. Maintain current knowledge of compliance and regulatory standards for drivers and vehicles. Support internal personnel by providing technical expertise and industry best practice knowledge and resources. Comply and enforce all compliance, regulatory and company policies and procedures.

Non-Essential Duties and Responsibilities

- Perform other duties as assigned.

Work Environment

The physical demands and work environment described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable



Job Description

accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this position, the employee will frequently handle and be exposed to hazardous waste, hazardous materials and other chemicals while conducting sampling and testing activities for received material or repacking, bulking, consolidation and treatment (fuel blending) operations.

Physical Requirements

The physical demands described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Frequency Vales: N/A = Not Applicable Occasionally = 1-35% Frequently = 36-66% Continuously = 67-100%

General			
Sitting:	Frequently	Bending:	Occasionally
Standing:	Frequently	Noise Level:	Minimal
Walking:	Frequently	Twisting:	Occasionally
Fine Finger Movements:	Frequently	Climb/Work Aloft:	Occasionally
Eye-Hand Coordination:	Continuously	Reach Above Shoulders:	Occasionally

Lifting			
Up to 10 lbs.:	Occasionally	51 to 100 lbs.:	N/A
11 to 20 lbs.:	Occasionally	Over 100 lbs.:	N/A
21 to 50 lbs.:	N/A		

Weather Conditions			
Indoors:	Continuously	Snow/Ice:	Occasionally
Outdoors:	Occasionally	Wind:	Occasionally
Sun:	Occasionally	Temperature Range:	-20F to 1110F
Rain:	Occasionally		

Personal Protective Equipment			
Safety Glasses:	N/A	Gloves:	N/A
Hard Hat:	N/A	Clothing/Coveralls/Tyvek:	N/A
Hearing Protection:	N/A	Respirator- Dust Mask:	N/A
Steel-Toe Boots/Shoes:	N/A	Respirator - Air-Purifying:	N/A
Apron/Lab Coat:	N/A		

Employee Acknowledgement

I have reviewed this document and understand the responsibilities of this position.

Name (Printed): _____

Signature: _____



Job Description

Date: _____



Job Description

Job Title:	Technical Service Manager	FLSA Status:	Non-Exempt
Department:	Technical Services	Type:	Full-Time
Manager:	President	Approval Date:	6/23/2022

Job Summary:

This position is responsible for the overall activities of technical services to include profiles, approvals, designating internal processing and treatments, outbound facility utilization and laboratory activities associated with the receipt and shipment of waste materials.

Education/Experience

- Bachelor of Science in Chemistry or related discipline required
- 4 or more years' experience in the hazardous waste industry or related work experience preferred

Certification/Licenses

- 40-hour Hazwoper Certification
- Certified Hazardous Material Manager (CHMM) Certification preferred

Knowledge, Skills and Ability

- Strong team leader
- Strong customer service orientated
- Strong interpersonal and communication skills
- Strong problem-solving skills
- Ability to manage multiple projects and meet deadlines
- Ability to present technical information
- Computer proficiency

Essential Duties and Responsibilities

- **Management.** Build and lead the overall technical services of the organization to ensure daily tactical activities are completed and long-term goals of the organization are achieved including position staffing. Model high standards of good decision-making and judgment, collaboration, agility, and accountability. Hire and develop the best people for skills and culture. Actively lead and engage in talent development to create high-performing talent within area of responsibility. Encourage leadership and creativity from individual employees, leveraging individual strengths and all levels of talent.
- **Client Profiles and Approvals.** Manage the regulatory department and develop processes for the review, approval and acceptance of materials from clients (inbound) to the facility including recertifications that reflects the facilities operating permits and complies with regulatory requirements. Establish business system software related to the approval and recertification process including inputs for manifest and land disposal restrictions forms. Ensure the maintenance of a repository of documents to support this process.
- **Receiving Facilities Profiles and Approvals.** Develop and manage the processes for the submittal, approval and acceptance of materials to receiving facilities (outbound) including recertification. Develop and maintain relationships with receiving facilities. Determine facility utilization based upon pricing, qualifications, and profit margin using market conditions and organizational goals. Maintain continued price negotiation. Ensure a repository of documents to include, but not limited to, quotes, permits, licenses, audit packages and certificate of insurance.
- **Discrepancies.** Assist in the documentation and resolution of discrepancies as it relates to the shipping documents and associated paperwork, material received and other inconsistencies that arise that may require action for resolution.
- **Processing and Treatment.** Manage and work with managers to determine waste consolidation



Job Description

approaches and chemical compatibilities for efficient in outbound loads. Assist, as needed, to conduct compatibility sampling prior to bulking/consolidation, fuel blending and acid/base neutralization.

- **Laboratory.** Responsible for the overall function of the on-site laboratory to include sampling and testing, document and communicate test results, laboratory equipment (operation, maintenance, calibration, etc.), housekeeping, and supplies. Develop and implement standard operating procedures for laboratory activities to be conducted.
- **Samples.** Develop and manage a relationship with outside laboratories including negotiating favorable pricing. Establish sample paperwork and records electronic management system. Including a system for purging unused or returned samples to be lab packed when no longer needed.
- **Labpack Projects.** Oversee the preparation of lab pack project scope and costing including the safe and compliant execution of lab pack projects including proper identification, classification, segregation, packaging and transportation in accordance with EPA and DOT regulations. Assist on labpack project as necessary.
- **Industrial Service Projects.** Oversee the preparation of industrial service project scope and costing.
- **Consulting Service.** Conduct consulting services to clients as necessary to include, but not limited to, on-site waste management, training and other environmental consulting services. Create and maintain a repository of documents generated as part of the consulting services rendered.
- **Compliance.** Maintain current knowledge of compliance and regulatory standards. Develop professional relationships with industry associations and proactively monitor relevant governmental bodies to identify changes in legislation/regulations. Support internal and external clients by providing technical expertise and industry best practice knowledge and resources. Develop, implement and maintain standard operating procedures and work instructions for all functions/activities under area of responsibility.
- **Other.** Act as the alternative emergency coordinator in the absence of the primary emergency coordinator and other personnel. Conduct other emergency management activities as directed in the Emergency Management Plan.

Non-Essential Duties and Responsibilities

- Perform other duties as assigned.

Work Environment

The physical demands and work environment described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this position, the employee will frequently handle and be exposed to hazardous waste, hazardous materials and other chemicals while conducting sampling and testing activities for received material or repacking, bulking, consolidation and treatment (fuel blending) operations.

Physical Requirements

The physical demands described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Frequency Vales: N/A = Not Applicable Occasionally = 1-35% Frequently = 36-66% Continuously = 67-100%



Job Description

General			
Sitting:	Frequently	Bending:	Occasionally
Standing:	Frequently	Noise Level:	Minimal
Walking:	Frequently	Twisting:	Frequently
Fine Finger Movements:	Frequently	Climb/Work Aloft:	Occasionally
Eye-Hand Coordination:	Continuously	Reach Above Shoulders:	Occasionally

Lifting			
Up to 10 lbs.:	Continuously	51 to 100 lbs.:	Occasionally
11 to 20 lbs.:	Frequently	Over 100 lbs.:	N/A
21 to 50 lbs.:	Occasionally		

Weather Conditions			
Indoors:	Continuously	Snow/Ice:	Occasionally
Outdoors:	Occasionally	Wind:	Occasionally
Sun:	Occasionally	Temperature Range:	-20F to 1110F
Rain:	Occasionally		

Personal Protective Equipment			
Safety Glasses:	Continuously	Gloves:	Frequently
Hard Hat:	Occasionally	Clothing/Coveralls/Tyvek:	Continuously
Hearing Protection:	Occasionally	Respirator- Dust Mask:	Occasionally
Steel-Toe Boots/Shoes:	Continuously	Respirator - Air-Purifying:	Occasionally
Apron/Lab Coat:	Continuously		

Employee Acknowledgement

I have reviewed this document and understand the responsibilities of this position.

Name (Printed): _____

Signature: _____

Date: _____



Job Description

Job Title:	Approvals Specialist	FLSA Status:	Non-Exempt
Department:	Technical Services	Type:	Full-Time
Manager:	Technical Services Manager	Approval Date:	6/23/2022

Job Summary:

This position conducts reviews and approvals of waste and materials received at the facility and establishes the internal processing (depack, repack, consolidation, bulking, fuel blending) or transshipment of containers.

Education/Experience

- Associate or Bachelor of Science in chemistry or related discipline required.
- 2 or more years' experience in the hazardous waste, chemical or related field preferred.

Certification/Licenses

- 40-hour Hazwoper Certification

Knowledge, Skills and Ability

- Strong team player
- Strong customer service orientated
- Excellent interpersonal and communication skills
- Ability to organize and manage multiple deadlines
- Ability to follow through on assignments and problem solve
- Computer proficiency

Essential Duties and Responsibilities

- Client Profiles and Approvals. Conduct review, approval and acceptance of materials from clients (inbound) to the facility including recertifications that reflects the facilities operating permits and complies with regulatory requirements and internal procedures. Maintain business system software related to the approval and recertification process including inputs for manifest and land disposal restrictions forms. Create and maintain a repository of documents to support this process.
- Customer Support. Assist clients with sampling and profiling activities. Work with internal personnel in determining proper treatment methodology based on client's requests and facility acceptability criteria. Facilitate communication for scheduled pickups and on-site direction, as needed. Complete other customer support functions as warranted.
- Receiving Facilities Profiles and Approvals. Manage the process for the submittal, approval and acceptance of materials to receiving facilities including recertification. Develop and maintain relationships with receiving facilities. Determine facility utilization based upon pricing, qualifications, and profit margin using market conditions and organizational goals. Create and maintain a repository of documents to include, but not limited to, quotes, permits, licenses, audit packages and certificate of insurance.
- Shipping Documents and Associated Paperwork. Overall responsibility for the information contained on the shipping documents and associated paperwork generated for clients from the business software system. Includes the process, maintenance and submittal of the e-manifest system.
- Discrepancies. Assist in the documentation and resolution of discrepancies as it relates to the shipping documents and associated paperwork, material received and other inconsistencies that arise that may require action for resolution.
- Samples. Prepare and send samples to designate outside laboratories or facilities as requested.



Job Description

Follow-up on results and communicate them to applicable internal personnel. Maintain sample paperwork and records in an electronic management system. Maintain a system for purging unused or returned samples to be lab packed when no longer needed.

- Labpack Projects. Prepare lab pack project scope and costing. Responsible for the safe and compliant execution of lab pack projects including proper identification, classification, segregation, packaging and transportation in accordance with EPA and DOT regulations. Assist on labpack project as necessary.
- Industrial Service Projects. Assist to prepare industrial service project scope and costing.
- Compliance. Maintain current knowledge of compliance and regulatory standards. Develop professional relationships with industry associations and proactively monitor relevant governmental bodies to identify changes in legislation/regulations. Support internal and external clients by providing technical expertise and industry best practice knowledge and resources.
- Maintain standard operating procedures and work instructions for functions/activities under area of responsibility.

Non-Essential Duties and Responsibilities

- Perform other duties as assigned.

Work Environment

The physical demands and work environment described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this position, the employee will frequently handle and be exposed to hazardous waste, hazardous materials and other chemicals while conducting sampling and testing activities for received material or repacking, bulking, consolidation and treatment (fuel blending) operations.

Physical Requirements

The physical demands described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Frequency Vales: N/A = Not Applicable Occasionally = 1-35% Frequently = 36-66% Continuously = 67-100%

General			
Sitting:	Frequently	Bending:	Occasionally
Standing:	Frequently	Noise Level:	Minimal
Walking:	Frequently	Twisting:	Occasionally
Fine Finger Movements:	Frequently	Climb/Work Aloft:	Occasionally
Eye-Hand Coordination:	Continuously	Reach Above Shoulders:	Occasionally

Lifting			
Up to 10 lbs.:	Occasionally	51 to 100 lbs.:	N/A
11 to 20 lbs.:	Occasionally	Over 100 lbs.:	N/A
21 to 50 lbs.:	N/A		



Job Description

Weather Conditions			
Indoors:	Continuously	Snow/Ice:	Occasionally
Outdoors:	Occasionally	Wind:	Occasionally
Sun:	Occasionally	Temperature Range:	-20F to 1110F
Rain:	Occasionally		

Personal Protective Equipment			
Safety Glasses:	Occasionally	Gloves:	N/A
Hard Hat:	N/A	Clothing/Coveralls/Tyvek:	N/A
Hearing Protection:	N/A	Respirator- Dust Mask:	N/A
Steel-Toe Boots/Shoes:	N/A	Respirator - Air-Purifying:	N/A
Apron/Lab Coat:	N/A		

Employee Acknowledgement

I have reviewed this document and understand the responsibilities of this position.

Name (Printed): _____

Signature: _____

Date: _____



Job Description

Job Title:	Laboratory - Chemist	FLSA Status:	Non-Exempt
Department:	Technical Services	Type:	Full-Time
Manager:	Technical Services Manager	Approval Date:	10/11/2021

Job Summary:

This position conducts fingerprint screens and analysis to confirm conformity of waste received to expectations and for outbound load conformity to receiving facility specifications.

Education/Experience

- Bachelor of Science in Chemistry or related discipline required
- 2 or more years' experience in the hazardous waste industry or related work experience preferred

Certification/Licenses

- 40-hour Hazwoper Certification

Knowledge, Skills and Ability

- Strong team player
- Strong customer service orientated
- Excellent interpersonal and communication skills
- Ability to organize and manage multiple deadlines
- Computer proficiency
- Ability to follow through on assignments and problem solve

Essential Duties and Responsibilities

- Incoming Waste. Coordinate and execute daily processing of receiving waste samples and testing. Record information neatly and accurately and retain records in an electronic management system. Communicate results in a clear, concise report.
- Prepare and send samples to designated outside laboratories or facilities as required. Follow-up on results and communicate them to applicable internal personnel.
- Processing and Treatment. Work with managers to determine waste consolidation approaches and chemical compatibilities for efficient in outbound loads. Conduct compatibility sampling prior to bulking/consolidation, fuel blending and acid/base neutralization.
- Outbound Waste. Coordinate and execute daily processing of outbound waste samples and testing. Record information neatly and accurately and retain records in an electronic management system. Communicate results in a clear, concise report.
- Laboratory Equipment. Calibrate and maintain equipment in accordance with manufacturing and laboratory standards. Assist in relevant instrument maintenance, troubleshooting and repairs, as required.
- Laboratory Operations. Employ safe work practices including knowledge of the Waste Analysis Plan, Chemical Hygiene Plan, Standard Operating Procedures and other applicable regulatory requirements.
- Customer Support. Assist clients with sampling and profiling activities. Work with internal personnel in determining proper treatment methodology based on client's requests and facility acceptability criteria. Facilitate communication for scheduled pickups and on-site direction, as needed. Complete other customer support functions as warranted.
- Administrative. Provide additional laboratory support for standard preparation and other general laboratory duties.



Job Description

- Good Housekeeping. Maintain good housekeeping of the laboratory areas to ensure a clean and organized spaces at all times. Dispose of samples and retains on a routine basis.
- Compliance. Maintain current knowledge of compliance and regulatory standards. Support internal personnel by providing technical expertise and industry best practice knowledge and resources. Comply and enforce all compliance, regulatory and company policies and procedures.

Non-Essential Duties and Responsibilities

- Other duties as assigned.

Work Environment

The physical demands and work environment described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this position, the employee will frequently handle and be exposed to hazardous waste, hazardous materials and other chemicals while conducting sampling and testing activities for received material or repacking, bulking, consolidation and treatment (fuel blending) operations.

Physical Requirements

The physical demands described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Frequency Vales: N/A = Not Applicable Occasionally = 1-35% Frequently = 36-66% Continuously = 67-100%

General			
Sitting:	Frequently	Bending:	Occasionally
Standing:	Frequently	Noise Level:	Minimal
Walking:	Frequently	Twisting:	Frequently
Fine Finger Movements:	Frequently	Climb/Work Aloft:	Occasionally
Eye-Hand Coordination:	Continuously	Reach Above Shoulders:	Occasionally

Lifting			
Up to 10 lbs.:	Continuously	51 to 100 lbs.:	Occasionally
11 to 20 lbs.:	Frequently	Over 100 lbs.:	N/A
21 to 50 lbs.:	Occasionally		

Weather Conditions			
Indoors:	Continuously	Snow/Ice:	Occasionally
Outdoors:	Occasionally	Wind:	Occasionally
Sun:	Occasionally	Temperature Range:	-20F to 1110F
Rain:	Occasionally		

Personal Protective Equipment			
Safety Glasses:	Continuously	Gloves:	Frequently



Job Description

Hard Hat:	Occasionally	Clothing/Coveralls/Tyvek:	Continuously
Hearing Protection:	Occasionally	Respirator- Dust Mask:	Occasionally
Steel-Toe Boots/Shoes:	Continuously	Respirator - Air-Purifying:	Occasionally
Apron/Lab Coat:	Continuously		

Employee Acknowledgement

I have reviewed this document and understand the responsibilities of this position.

Name (Printed): _____

Signature: _____

Date: _____



Job Description

Job Title:	Laboratory - Technician	FLSA Status:	Non-Exempt
Department:	Technical Services	Type:	Full-Time
Manager:	Technical Services Manager	Approval Date:	8/6/2021

Job Summary:

This position conducts daily processing of waste samples to confirm conformity of waste received to expectations and for outbound load conformity to receiving facility specifications.

Education/Experience

- High School diploma or General Education Development (GED) required
- Associated or Bachelor's degree in Chemistry or related science discipline preferred

Certification/Licenses

- 40-hour Hazwoper Certification

Knowledge, Skills and Ability

- Strong team player
- Strong customer service orientated
- Excellent interpersonal and communication skills
- Ability to organize and manage multiple deadlines
- Computer proficiency
- Ability to follow through on assignments and problem solve

Essential Duties and Responsibilities

- Incoming Waste. Coordinate and execute daily processing of receiving waste samples and testing. Record information neatly and accurately and retain records in an electronic management system. Communicate results in a clear, concise report.

- Processing and Treatment. Work with managers to determine waste consolidation approaches and chemical compatibilities for efficient in outbound loads. Conduct compatibility sampling prior to bulking/consolidation, fuel blending and acid/base neutralization.

- Outbound Waste. Coordinate and execute daily processing of outbound waste samples and testing. Record information neatly and accurately and retain records in an electronic management system. Communicate results in a clear, concise report.

Laboratory Operations. Employ safe work practices including knowledge of the Waste Analysis Plan, Chemical Hygiene Plan, Standard Operating Procedures and other applicable regulatory requirements. Follow standard operating procedures or laboratory activities to be conducted.

- Laboratory Equipment. Daily equipment calibration in accordance with manufacturing and laboratory standards. Assist in relevant instrument maintenance, troubleshooting and repairs, as required.

- Customer Support. Assist clients with sampling and profiling activities. Work with internal personnel in determining proper treatment methodology based on client's requests and facility acceptability criteria. Facilitate communication for scheduled pickups and on-site direction, as needed. Complete other customer support functions as warranted.

- Administrative. Provide additional laboratory support for standard preparation and other general laboratory duties.

- Good Housekeeping. Maintain good housekeeping of the laboratory areas to ensure a clean and



Job Description

organized spaces at all times.

- Compliance. Maintain current knowledge of compliance and regulatory standards. Support internal personnel by providing technical expertise and industry best practice knowledge and resources. Comply and enforce all compliance, regulatory and company policies and procedures.

Non-Essential Duties and Responsibilities

- Other duties as assigned.

Work Environment

The physical demands and work environment described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this position, the employee will frequently handle and be exposed to hazardous waste, hazardous materials and other chemicals while conducting sampling and testing activities for received material or repacking, bulking, consolidation and treatment (fuel blending) operations.

Physical Requirements

The physical demands described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Frequency Vales: N/A = Not Applicable Occasionally = 1-35% Frequently = 36-66% Continuously = 67-100%

General			
Sitting:	Frequently	Bending:	Occasionally
Standing:	Frequently	Noise Level:	Minimal
Walking:	Frequently	Twisting:	Frequently
Fine Finger Movements:	Frequently	Climb/Work Aloft:	Occasionally
Eye-Hand Coordination:	Continuously	Reach Above Shoulders:	Occasionally

Lifting			
Up to 10 lbs.:	Continuously	51 to 100 lbs.:	Occasionally
11 to 20 lbs.:	Frequently	Over 100 lbs.:	N/A
21 to 50 lbs.:	Occasionally		

Weather Conditions			
Indoors:	Continuously	Snow/Ice:	Occasionally
Outdoors:	Occasionally	Wind:	Occasionally
Sun:	Occasionally	Temperature Range:	-20F to 110F
Rain:	Occasionally		

Personal Protective Equipment			
Safety Glasses:	Continuously	Gloves:	Frequently
Hard Hat:	Occasionally	Clothing/Coveralls/Tyvek:	Continuously
Hearing Protection:	Occasionally	Respirator- Dust Mask:	Occasionally



Job Description

Steel-Toe Boots/Shoes:	Continuously	Respirator - Air-Purifying:	Occasionally
Apron/Lab Coat:	Continuously		

Employee Acknowledgement

I have reviewed this document and understand the responsibilities of this position.

Name (Printed): _____

Signature: _____

Date: _____



Job Description

Job Title:	Operation Manager	FLSA Status:	Non-Exempt
Department:	Operations	Type:	Full-Time
Manager:	CEO	Approval Date:	8/6/2021

Job Summary:

This position is responsible for the overall activities of operations to include transportation, management, storage, and operating activities to ensure compliant, accurate, timely and efficient flow.

Education/Experience

- Bachelor of Science in Operations, Chemistry or related discipline required
- 4 or more years' experience in the hazardous waste industry or related work experience preferred

Certification/Licenses

- Certified Hazardous Material Manager (CHMM) preferred

Knowledge, Skills and Ability

- Strong team leader
- Strong customer service orientated
- Strong problem-solving skills
- Excellent interpersonal and communication skills
- Ability to organize and manage multiple deadlines
- Computer proficiency

Essential Duties and Responsibilities

- Management. Management. Manage the overall operations of the organization to ensure daily tactical activities are completed. Establish and review metrics to measure productivity and drive goal achievement, determine areas needing cost reduction and program improvement. Initiate continuous improvement efforts.
- Operations. Directs and manages the overall scheduling and receiving processes. Directs and manage the solid waste operations (bulking, consolidation repack/depac), hazardous waste operations (bulking, consolidation, repack/depac, fuel blending), used oil processing, universal waste handling, and solvent continue use management. Develop and maintain relationships with receiving facilities. Conduct continued data analyze to identify and capture opportunities to reduce cost, automate and create best practice processes, and improve client service. Create and maintain a repository of documents to support operation regulatory requirements and obligations including, but not limited to, permits, tracking and reporting.
- Inventory Management. Direct and manage the storage parameters of the warehouse to ensure compliance with licenses and permits include the use of inventory management methodology. Create and maintain a repository of documents to support inventory management regulatory requirements and obligations including, but not limited to, permits, tracking and reporting.
- Logistics. Oversee the internal scheduling and transportation fleet to ensure efficient and cost-effective routes while fulfilling a high level of customer satisfaction. Develop and maintain relationships with logistic partners based upon qualifications, pricing and profit margin using market conditions and organization goals.
- Supply Management. Direct and manage the supplies for customer to ensure appropriate inventory levels and ensure adequate supplies available upon demand.
- Compliance. Maintain current knowledge of compliance and regulatory standards affecting the



Job Description

facility including permits, license and other requirements. Develop, implement and maintain standard operating procedures, work instructions and best practices for all functions/activities under area of responsibility. Facilitate the safety culture of the facility.

Inspections. Direct and manage the facility inspection program. Follow-up on issues identified as the result of inspections for resolution. Maintain the upkeep of the property, building and associated equipment.

- **Staffing.** Determine staffing requirements, and assist in the interview, hiring and training of new employees as necessary. Conduct training as required. Perform employee annual reviews and participate on disciplinary activities, as needed.
- **Other.** Act as the alternative emergency coordinator in the absence of the primary emergency coordinator and other personnel. Conduct other emergency management activities as directed in the Emergency Management Plan.

Non-Essential Duties and Responsibilities

- Perform other duties as assigned.

Work Environment

The physical demands and work environment described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this position, the employee will frequently handle and be exposed to hazardous waste, hazardous materials and other chemicals while conducting sampling and testing activities for received material or repacking, bulking, consolidation and treatment (fuel blending) operations.

Physical Requirements

The physical demands described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Frequency Vales: N/A = Not Applicable Occasionally = 1-35% Frequently = 36-66% Continuously = 67-100%

General			
Sitting:	Frequently	Bending:	Occasionally
Standing:	Frequently	Noise Level:	Minimal
Walking:	Frequently	Twisting:	Frequently
Fine Finger Movements:	Frequently	Climb/Work Aloft:	Occasionally
Eye-Hand Coordination:	Continuously	Reach Above Shoulders:	Occasionally

Lifting			
Up to 10 lbs.:	Continuously	51 to 100 lbs.:	Occasionally
11 to 20 lbs.:	Frequently	Over 100 lbs.:	N/A
21 to 50 lbs.:	Occasionally		



Job Description

Weather Conditions			
Indoors:	Continuously	Snow/Ice:	Occasionally
Outdoors:	Occasionally	Wind:	Occasionally
Sun:	Occasionally	Temperature Range:	-20F to 1110F
Rain:	Occasionally		

Personal Protective Equipment			
Safety Glasses:	Continuously	Gloves:	Frequently
Hard Hat:	Occasionally	Clothing/Coveralls/Tyvek:	Continuously
Hearing Protection:	Occasionally	Respirator- Dust Mask:	Occasionally
Steel-Toe Boots/Shoes:	Continuously	Respirator - Air-Purifying:	Occasionally
Apron/Lab Coat:	Continuously		

Employee Acknowledgement

I have reviewed this document and understand the responsibilities of this position.

Name (Printed): _____

Signature: _____

Date: _____



Job Description

Job Title:	Operator - Receiving	FLSA Status:	Non-Exempt
Department:	Operations	Type:	Full-Time
Manager:	Operations Manager	Approval Date:	10/26/2021

Job Summary:

This position unloads transportation vehicles scheduled into the facility, received material, sample the contents of incoming containers and directing them to the appropriate processing area while adhering to state and federal environmental, health and safety regulations.

Education/Experience

- High School diploma or General Education Development (GED) required
- Associate or Bachelor's degree in Chemistry or related science discipline preferred

Certification/Licenses

- 40-hour Hazwoper Certification
- Valid CDL Class B Driver's License with Hazmat and Tanker Endorsement preferred

Knowledge, Skills and Ability

- Strong team player
- Excellent interpersonal and communication skills
- Ability to organize and manage multiple deadlines
- Ability to operate a forklift
- Ability to follow through on assignments and problem solve
- Computer proficiency

Essential Duties and Responsibilities

- Receiving. Unloading of waste materials utilizing appropriate equipment (drum dollies, forklift, etc.) and stage in designated location. Performs container receiving activities such as labeling, inspection, count verification, appropriate and complete shipping documents, etc.
- Container Observations and Sampling. Inspecting the condition of incoming containers. Verify the manifest information against the load being received. Inspection and sampling the contents of incoming containers. Label container with unique identification number, Verifying the sampling the contents of incoming containers for fingerprint analysis according to prescribed policies and procedures and directing them to the appropriate processing or storage area. Send samples to the laboratory to be tested, as warranted.
- Discrepancies. Identify and complete a discrepancy report for non-conforming materials received. Assist in the resolution of discrepancies as it relates to the shipping documents and associated paperwork, material received and other inconsistencies that arise that may require action for resolution.
- Paperwork/Documentation. Responsible for reviewing and verifying the shipping documents and printing and completing the Container Inspection Form.
- Inventory. Maintain inventory levels for all supplies and conduct various inventory management activities to maintain a high level of accuracy for the site.
- Good Housekeeping. Maintain good housekeeping of the warehouse areas to ensure a clean and organized spaces at all times.
- Inspections. Performs facility inspections, as assigned.
- Compliance. Maintain current knowledge of compliance and regulatory standards. Comply with all compliance, regulatory and company policies and procedures. Complete all required training and



Job Description

follow all policies and procedures established by the company.

Non-Essential Duties and Responsibilities

- Operate and maintain all equipment in a professional manner to ensure optimum efficiency and effectiveness.
- Other duties as assigned.

Work Environment

The physical demands and work environment described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this position, the employee will frequently handle and be exposed to hazardous waste, hazardous materials and other chemicals while conducting material handling and storage activities, waste sampling, lab pack packaging and repacking, bulking, consolidation, and treatment (fuel blending) activities.

Physical Requirements

The physical demands described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Frequency Vales: N/A = Not Applicable Occasionally = 1-35% Frequently = 36-66% Continuously = 67-100%

General			
Sitting:	Occasionally	Bending:	Continuously
Standing:	Continuously	Noise Level:	Minimal
Walking:	Continuously	Twisting:	Frequently
Fine Finger Movements:	Frequently	Climb/Work Aloft:	Occasionally
Eye-Hand Coordination:	Continuously	Reach Above Shoulders:	Occasionally

Lifting			
Up to 10 lbs.:	Continuously	51 to 100 lbs.:	Occasionally
11 to 20 lbs.:	Continuously	Over 100 lbs.:	N/A
21 to 50 lbs.:	Frequently		

Weather Conditions			
Indoors:	Continuously	Snow/Ice:	Occasionally
Outdoors:	Frequently	Wind:	Occasionally
Sun:	Frequently	Temperature Range:	-20F to 1110F
Rain:	Occasionally		

Personal Protective Equipment			
Safety Glasses:	Continuously	Gloves:	Frequently
Hard Hat:	Occasionally	Clothing/Coveralls/Tyvek:	Continuously
Hearing Protection:	Occasionally	Respirator- Dust Mask:	Frequently
Steel-Toe Boots/Shoes:	Continuously	Respirator - Air-Purifying:	Occasionally



Job Description

Apron:	Frequently		
--------	------------	--	--

Employee Acknowledgement

I have reviewed this document and understand the responsibilities of this position.

Name (Printed): _____

Signature: _____

Date: _____



Job Description

Job Title:	Operator - Solid Waste	FLSA Status:	Non-Exempt
Department:	Operations	Type:	Full-Time
Manager:	Operations Manager	Approval Date:	8/6/2021

Job Summary:

This position provides primarily solid waste storage and processing activities while adhering to state and federal environmental, health and safety regulations.

Education/Experience

- High School diploma or General Education Development (GED) required
- Associate or Bachelor's degree in Chemistry or related science discipline preferred

Certification/Licenses

- 40-hour Hazwoper Certification
- Valid CDL Class B Driver's License with Hazmat and Tanker Endorsement preferred

Knowledge, Skills and Ability

- Strong team player
- Excellent interpersonal and communication skills
- Ability to organize and manage multiple deadlines
- Ability to operate a forklift
- Ability to follow through on assignments and problem solve
- Computer proficiency

Essential Duties and Responsibilities

- Solid Waste. Perform operations associated with solid waste processing including bulking, consolidation, and depack and repackaging. Perform operations associated with solid waste storage. Maintain approved inventory levels for solid waste.
- Universal Waste Handling. Perform operations associated with universal waste handling management. Maintain approved inventory levels for universal waste.
- Used Oil Processing. Perform operations associated with used oil processing management. Maintain approved inventory levels for used oil.
- Material Handling. Assist in the loading/unloading of waste and materials utilizing appropriate equipment (drum dollies, forklift, etc.) to ensure transfer of waste in a safe and timely manner.
- Good Housekeeping. Maintain good housekeeping of the warehouse areas to ensure a clean and organized spaces at all times.
- Inspections. Performs facility inspections, as assigned.
- Compliance. Maintain current knowledge of compliance and regulatory standards. Comply with all compliance, regulatory and company policies and procedures. Complete all required training and follow all policies and procedures established by the company.

Non-Essential Duties and Responsibilities

- Operate and maintain all equipment in a professional manner to ensure optimum efficiency and effectiveness.
- Other duties as assigned.

Work Environment



Job Description

The physical demands and work environment described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this position, the employee will frequently handle and be exposed to hazardous waste, hazardous materials and other chemicals while conducting material handling and storage activities, waste sampling, lab pack packaging and repacking, bulking, consolidation, and treatment (fuel blending) activities.

Physical Requirements

The physical demands described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Frequency Vales: N/A = Not Applicable Occasionally = 1-35% Frequently = 36-66% Continuously = 67-100%

General			
Sitting:	Occasionally	Bending:	Continuously
Standing:	Continuously	Noise Level:	Minimal
Walking:	Continuously	Twisting:	Frequently
Fine Finger Movements:	Frequently	Climb/Work Aloft:	Occasionally
Eye-Hand Coordination:	Continuously	Reach Above Shoulders:	Occasionally

Lifting			
Up to 10 lbs.:	Continuously	51 to 100 lbs.:	Occasionally
11 to 20 lbs.:	Continuously	Over 100 lbs.:	N/A
21 to 50 lbs.:	Frequently		

Weather Conditions			
Indoors:	Continuously	Snow/Ice:	Occasionally
Outdoors:	Frequently	Wind:	Occasionally
Sun:	Frequently	Temperature Range:	-20F to 1110F
Rain:	Occasionally		

Personal Protective Equipment			
Safety Glasses:	Continuously	Gloves:	Frequently
Hard Hat:	Occasionally	Clothing/Coveralls/Tyvek:	Continuously
Hearing Protection:	Occasionally	Respirator- Dust Mask:	Frequently
Steel-Toe Boots/Shoes:	Continuously	Respirator - Air-Purifying:	Occasionally
Apron:	Frequently		

Employee Acknowledgement

I have reviewed this document and understand the responsibilities of this position.

Name (Printed): _____



Job Description

Signature: _____

Date: _____



Job Description

Job Title:	Operator - Hazardous Waste	FLSA Status:	Non-Exempt
Department:	Operations	Type:	Full-Time
Manager:	Operations Manager	Approval Date:	8/6/2021

Job Summary:

This position provides primarily hazardous waste storage and processing activities while adhering to state and federal environmental, health and safety regulations.

Education/Experience

- High School diploma or General Education Development (GED) required
- Associate or Bachelor's degree in Chemistry or related science discipline preferred

Certification/Licenses

- 40-hour Hazwoper Certification
- Valid CDL Class B Driver's License with Hazmat and Tanker Endorsement preferred

Knowledge, Skills and Ability

- Strong team player
- Excellent interpersonal and communication skills
- Ability to organize and manage multiple deadlines
- Ability to operate a forklift
- Ability to follow through on assignments and problem solve
- Computer proficiency

Essential Duties and Responsibilities

- Hazardous Waste. Perform operations associated with hazardous waste processing including bulking, consolidation, depack and repackaging and fuel blending. Perform operations associated with hazardous waste storage. Maintain approved inventory levels for hazardous waste.
- Solvent Continue Use. Perform operations associated with solvent continue used material management. Maintain approved inventory levels for solvent continue use material.
- Material Handling. Assist in the loading/unloading of hazardous waste and solvent continue use materials utilizing appropriate equipment (drum dollies, forklift, etc.) to ensure transfer of waste in a safe and timely manner.
- Good Housekeeping. Maintain good housekeeping of the warehouse areas to ensure a clean and organized spaces at all times.
- Inspections. Performs facility inspections, as assigned.
- Compliance. Maintain current knowledge of compliance and regulatory standards. Comply with all compliance, regulatory and company policies and procedures. Complete all required training and follow all policies and procedures established by the company.

Non-Essential Duties and Responsibilities

- Operate and maintain all equipment in a professional manner to ensure optimum efficiency and effectiveness.
- Other duties as assigned.

Work Environment

The physical demands and work environment described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential



Job Description

functions.

While performing the duties of this position, the employee will frequently handle and be exposed to hazardous waste, hazardous materials and other chemicals while conducting material handling and storage activities, waste sampling, lab pack packaging and repacking, bulking, consolidation, and treatment (fuel blending) activities.

Physical Requirements

The physical demands described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Frequency Vales: N/A = Not Applicable Occasionally = 1-35% Frequently = 36-66% Continuously = 67-100%

General			
Sitting:	Occasionally	Bending:	Continuously
Standing:	Continuously	Noise Level:	Minimal
Walking:	Continuously	Twisting:	Frequently
Fine Finger Movements:	Frequently	Climb/Work Aloft:	Occasionally
Eye-Hand Coordination:	Continuously	Reach Above Shoulders:	Occasionally

Lifting			
Up to 10 lbs.:	Continuously	51 to 100 lbs.:	Occasionally
11 to 20 lbs.:	Continuously	Over 100 lbs.:	N/A
21 to 50 lbs.:	Frequently		

Weather Conditions			
Indoors:	Continuously	Snow/Ice:	Occasionally
Outdoors:	Frequently	Wind:	Occasionally
Sun:	Frequently	Temperature Range:	-20F to 1110F
Rain:	Occasionally		

Personal Protective Equipment			
Safety Glasses:	Continuously	Gloves:	Frequently
Hard Hat:	Occasionally	Clothing/Coveralls/Tyvek:	Continuously
Hearing Protection:	Occasionally	Respirator- Dust Mask:	Frequently
Steel-Toe Boots/Shoes:	Continuously	Respirator - Air-Purifying:	Occasionally
Apron:	Frequently		

Employee Acknowledgement

I have reviewed this document and understand the responsibilities of this position.

Name (Printed): _____

Signature: _____



Job Description

Date: _____



Job Description

Job Title:	Operator - Labpacker	FLSA Status:	Non-Exempt
Department:	Operations	Type:	Full-Time
Manager:	Technical Services Manager	Approval Date:	8/6/2021

Job Summary:

This position provides specialized hazard determination and consolidation of chemical waste materials. Responsibilities include testing, consolidation, packaging, labeling, loading/unloading, coordinating transportation, and sampling/profiling materials while adhering to state and federal environmental, health and safety regulations.

Education/Experience

- High School diploma or General Education Development (GED) required
- Associate or bachelor's degree in chemistry or related science discipline preferred

Certification/Licenses

- 40-hour Hazwoper Certification
- Valid CDL Class B Driver's License with Hazmat and Tanker Endorsement

Knowledge, Skills and Ability

- Strong team player
- Excellent interpersonal and communication skills
- Ability to organize and manage multiple deadlines
- Ability to operate a forklift
- Ability to follow through on assignments and problem solve
- Computer proficiency

Essential Duties and Responsibilities

- Customer Labpack Project. Conduct on-site classification, identification, packaging and labeling of lab pack projects at client sites. Create and complete shipping documentation and load and transport lab packs. Conduct fingerprinting screening, as required, according to prescribed policies and procedures.
- Depack. Manually open, unpack, and consolidate, bulk, or repack containers of hazardous waste or designate for fuel blending for compatibility and efficiencies of outbound shipments.
- Material Handling. Assist in the loading/unloading of hazardous waste materials utilizing appropriate equipment (drum dollies, forklift, etc.) to ensure transfer of waste in a safe and timely manner.
- Good Housekeeping. Maintain good housekeeping of the warehouse areas to ensure a clean and organized spaces at all times.
- Inspections. Performs facility inspections, as assigned.
- Compliance. Maintain current knowledge of compliance and regulatory standards. Comply with all compliance, regulatory and company policies and procedures. Complete all required training and follow all policies and procedures established by the company.

Non-Essential Duties and Responsibilities

- Operate and maintain all equipment in a professional manner to ensure optimum efficiency and effectiveness.
- Other duties as assigned.

Work Environment

The physical demands and work environment described here are representative of those that an



Job Description

employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this position, the employee will frequently handle and be exposed to hazardous waste, hazardous materials and other chemicals while conducting material handling and storage activities, waste sampling, lab pack packaging and repacking, bulking, consolidation, and treatment (fuel blending) activities.

Physical Requirements

The physical demands described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Frequency Vales: N/A = Not Applicable Occasionally = 1-35% Frequently = 36-66% Continuously = 67-100%

General			
Sitting:	Occasionally	Bending:	Continuously
Standing:	Continuously	Noise Level:	Minimal
Walking:	Continuously	Twisting:	Frequently
Fine Finger Movements:	Frequently	Climb/Work Aloft:	Occasionally
Eye-Hand Coordination:	Continuously	Reach Above Shoulders:	Occasionally

Lifting			
Up to 10 lbs.:	Continuously	51 to 100 lbs.:	Occasionally
11 to 20 lbs.:	Continuously	Over 100 lbs.:	N/A
21 to 50 lbs.:	Frequently		

Weather Conditions			
Indoors:	Continuously	Snow/Ice:	Occasionally
Outdoors:	Frequently	Wind:	Occasionally
Sun:	Frequently	Temperature Range:	-20F to 1110F
Rain:	Occasionally		

Personal Protective Equipment			
Safety Glasses:	Continuously	Gloves:	Frequently
Hard Hat:	Occasionally	Clothing/Coveralls/Tyvek:	Continuously
Hearing Protection:	Occasionally	Respirator- Dust Mask:	Frequently
Steel-Toe Boots/Shoes:	Continuously	Respirator - Air-Purifying:	Occasionally
Apron:	Frequently		

Employee Acknowledgement

I have reviewed this document and understand the responsibilities of this position.

Name (Printed): _____

Signature: _____



Job Description

Date: _____



Job Description

Job Title:	Transportation Coordinator	FLSA Status:	Non-Exempt
Department:	Operations	Type:	Full-Time
Manager:	Operation Manager	Approval Date:	8/6/2021

Job Summary:

The primary responsibility for this position is to ensure compliance, accurate, timely and efficient utilization of transportation (both inbound and outbound) to support the core business operations.

Education/Experience

- Bachelor of Science in Operations, Chemistry or related discipline required
- 4 or more years' experience in the hazardous waste industry or related work experience preferred

Certification/Licenses

- None

Knowledge, Skills and Ability

- Strong team member
- Strong customer service orientated
- Strong problem-solving skills
- Excellent interpersonal and communication skills
- Ability to organize and manage multiple deadlines
- Computer proficiency

Essential Duties and Responsibilities

- Scheduling. Schedule received sales orders for pickup from clients based upon specifications provided by Customer Service. Assist in creating a customer service culture that assures the company is responsive and sensitive to the needs and flexibility of our customers. Map and optimize distribution footprint to meet operational and client service requirements, while achieving cost and revenue goals with a focus on continuous process improvement. Maintain relationships with receiving facilities. Assist to identify and capture opportunities to reduce cost, automate and create best practice processes, and improve client service. Collaborate with all functions of the business.
- Dispatch. Make necessary arrangements for the appropriate transportation to be employed for each scheduled pickup while being cost-effective and efficient for routes and maximum load capacity. Add, cancel or modify inbound client's daily loads as needed. Communicate with clients and drivers/carriers on transportation changes. Generate and supply all necessary paperwork and labels to accompany shipments. Be a resource and point of contact for all drivers to assist to resolve any problems, concerns or questions that may arise.
- Outbound Transportation. Develop the daily shipping schedules for out bound materials using short-term projections while collaborating with cross-functional co-workers to optimal trailer utilization. Arrange client supply/return loads as needed. Generate and supply all necessary paperwork and labels to accompany shipments.
- Shipping Documents and Associated Paperwork. Print shipping documents and associated paperwork generated for clients and outbound shipments from the business software system.
- Logistic Companies. Determine logistic company utilization based upon freight pricing, qualifications, load pay and profit margin using market conditions and organizational goals. Maintain continued price negotiation. Create and maintain a repository of documents to include, but not limited to, rate quotes, permits, and certificate of insurance.
- Compliance. Maintain current knowledge of compliance and regulatory standards for drivers and



Job Description

vehicles. Support internal personnel by providing technical expertise and industry best practice knowledge and resources. Comply and enforce all compliance, regulatory and company policies and procedures.

Non-Essential Duties and Responsibilities

- Perform other duties as assigned.

Work Environment

The physical demands and work environment described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this position, the employee will frequently handle and be exposed to hazardous waste, hazardous materials and other chemicals while conducting sampling and testing activities for received material or repacking, bulking, consolidation and treatment (fuel blending) operations.

Physical Requirements

The physical demands described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Frequency Vales: N/A = Not Applicable Occasionally = 1-35% Frequently = 36-66% Continuously = 67-100%

General			
Sitting:	Frequently	Bending:	Occasionally
Standing:	Frequently	Noise Level:	Minimal
Walking:	Frequently	Twisting:	Occasionally
Fine Finger Movements:	Frequently	Climb/Work Aloft:	Occasionally
Eye-Hand Coordination:	Continuously	Reach Above Shoulders:	Occasionally

Lifting			
Up to 10 lbs.:	Occasionally	51 to 100 lbs.:	N/A
11 to 20 lbs.:	Occasionally	Over 100 lbs.:	N/A
21 to 50 lbs.:	N/A		

Weather Conditions			
Indoors:	Continuously	Snow/Ice:	Occasionally
Outdoors:	Occasionally	Wind:	Occasionally
Sun:	Occasionally	Temperature Range:	-20F to 1110F
Rain:	Occasionally		

Personal Protective Equipment			
Safety Glasses:	N/A	Gloves:	N/A
Hard Hat:	N/A	Clothing/Coveralls/Tyvek:	N/A
Hearing Protection:	N/A	Respirator- Dust Mask:	N/A
Steel-Toe Boots/Shoes:	N/A	Respirator - Air-Purifying:	N/A



Job Description

Apron/Lab Coat:	N/A		
-----------------	-----	--	--

Employee Acknowledgement

I have reviewed this document and understand the responsibilities of this position.

Name (Printed): _____

Signature: _____

Date: _____



Job Description

Job Title:	Transportation Driver	FLSA Status:	Non-Exempt
Department:	Operations	Type:	Full-Time
Manager:	Operations Manager	Approval Date:	6/23/2022

Job Summary:

The primary responsibility for this position is for the safe transportation of materials to and from client's or the site's facility in compliance with all applicable Federal, State and local regulations.

Education/Experience

- High School diploma or General Education Development (GED) required
- A minimum of 2-years Class A or B driving experience with endorsements preferred
- Must have and maintain an acceptable motor vehicle driving records to the FMCA regulations

Certification/Licenses

- 40-hour Hazwoper Certification
- Valid CDL Class A or B Driver's License with Hazmat and Tanker Endorsement preferred

Knowledge, Skills and Ability

- Strong team player
- Excellent interpersonal and communication skills
- Ability to organize and manage multiple deadlines
- Ability to operate a forklift
- Ability to follow through on assignments and problem solve
- Computer proficiency

Essential Duties and Responsibilities

- Safety and Security. Safety and security procedures are imperative and must be observed at all times.
- Transport materials as directed by the Scheduling Department via tanker truck for clients, affiliated facilities, or the organization.
- Read maps, and follow written and verbal geographic directions. Assist to create and maintain efficient collection routes.
- Conducting loading and off-loading procedures for bulk materials, as needed, at clients, affiliated facilities, or the organization.
- Completion and/or review of manifest, bill-of-ladings or other shipping paperwork associated with the load for accuracy prior to transportation, as well as, signing all applicable paperwork as the designated transporter, as required. Verify the contents of the load against shipping documents for accuracy.
- Forward all paperwork to the office for processing in a timely manner with clear and accurate information.
- Maintain good client relations with point of contact at each site. Demonstrates professionalism at all times and most importantly during client interactions.
- Maintain records for vehicle logs, pre and post vehicle inspections, and records of cargo. Forward all logs and inspections to the office for recordkeeping.
- Monitor truck performance for preventative maintenance needs. Report mechanical problems



Job Description

encountered with the vehicle.

- Report delays, accidents, or other traffic and transportation situations to the organization, using telephone or mobile two-way radio when the vehicle is not being operated.
- Conduct transportation operations in accordance to FMCA, DOT and safety policies and procedures established by the organization. Obey all traffic laws and treat other drivers with courtesy.
- Maintain a driving record that comply with FMCA requirements and a working knowledge of DOT regulations. Report any violations immediately.
- Support effective communication with all departments where responsibilities overlap to ensure success of the organization.
- Provide back-up support to other drivers within the organization.
- Good Housekeeping. Maintain good housekeeping of tractor, trailer, equipment and yard area.
- Inspections. Performs facility vehicle inspections, as assigned.
- Compliance. Maintain current knowledge of compliance and regulatory standards. Comply with all compliance, regulatory and company policies and procedures. Complete all required training and follow all policies and procedures established by the company.

Non-Essential Duties and Responsibilities

- Operate and maintain all equipment in a professional manner to ensure optimum efficiency and effectiveness.
- Other duties as assigned.

Work Environment

The physical demands and work environment described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this position, the employee will frequently handle and be exposed to hazardous waste, hazardous materials and other chemicals while conducting transportation activities.

Physical Requirements

The physical demands described here are representative of those that an employee encounters while successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Frequency Vales: N/A = Not Applicable Occasionally = 1-35% Frequently = 36-66% Continuously = 67-100%

General			
Sitting:	Continuously	Bending:	Frequently
Standing:	Frequently	Noise Level:	Minimal
Walking:	Frequently	Twisting:	Frequently
Fine Finger Movements:	Frequently	Climb/Work Aloft:	Occasionally
Eye-Hand Coordination:	Continuously	Reach Above Shoulders:	Occasionally



Job Description

Lifting			
Up to 10 lbs.:	Continuously	51 to 100 lbs.:	Occasionally
11 to 20 lbs.:	Continuously	Over 100 lbs.:	N/A
21 to 50 lbs.:	Frequently		

Weather Conditions			
Indoors:	Frequently	Snow/Ice:	Occasionally
Outdoors:	Frequently	Wind:	Occasionally
Sun:	Frequently	Temperature Range:	-20F to 1110F
Rain:	Occasionally		

Personal Protective Equipment			
Safety Glasses:	Frequently	Gloves:	Frequently
Hard Hat:	Occasionally	Clothing/Coveralls/Tyvek:	Continuously
Hearing Protection:	Occasionally	Respirator- Dust Mask:	Occasionally
Steel-Toe Boots/Shoes:	Continuously	Respirator - Air-Purifying:	N/A
Apron:	Occasionally		


Employee Acknowledgement

I have reviewed this document and understand the responsibilities of this position.

Name (Printed): _____

Signature: _____

Date: _____

Document No.: OPS-SOP-032	Revision Date: 6/23/2022	Revision No.: 005	
Document Title: TRAINING AND COMPETENCE			
Certified By: CEO		Certified Date: 6/23/2022	

**APPENDIX C
TRAINING MATRIX**

The ESRR Employee Training Tracker established the specific training topics required for each job position within the organization and tracks the training completed by the actual individual employee.



Training Matrix -
Final.pdf



Enviro-Safe Resource Recovery - Germantown

Training Matrix

Last Updated: 6/23/2022

TRAINING COURSES		TRAINING INFORMATION			MANAGEMENT	
	Associated Program	Initial Training	Retraining	Trainer/Responsibility	CEO	President
DEPARTMENT OF TRANSPORTATION (DOT)						
DOT: Driver - DMV Certification of Licenses	OPS-EHS-WI-014	Initial	Expiration Date	CEO/Operations	Not Required	Not Required
DOT: Driver - DMV Background Check	OPS-EHS-WI-014	Initial	Annually	CEO/Operations	Not Required	Not Required
DOT: Driver - FMSCA Clearinghouse Check	OPS-EHS-WI-014	Initial	Annually	CEO/Operations	Not Required	Not Required
DOT: Driver - Medical Exam and Certification	OPS-EHS-WI-014	Initial	Expiration Date	CEO/Operations	Not Required	Not Required
DOT: Driver - Alcohol and Drug Testing	OPS-EHS-WI-014	Initial	N/A	CEO/Operations	Not Required	Not Required
DOT: Supervisor - Alcohol and Drug Testing	OPS-EHS-WI-014	Initial	N/A	CEO/Operations	Required	Not Required
DOT: Driver - Accident Procedures (43861)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required
DOT: Driver - Entry Level Operator (43001)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required
DOT: Driver - Hours of Service Basis (61324)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required
DOT: Driver - Injury Prevention for CMV Drivers (48454)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required
DOT: Driver - Injury Prevention Around Tankers (49838)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required
DOT: Driver - Manage Speed and Space (55757)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required
DOT: Driver - Straight Truck Operation (51254)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required
DOT: Driver - Tank Truck Operation (24456 & 24455)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required
DOT: Driver - Vehicle Inspection Tractor Trailer (51916)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required
DOT: HM General Awareness and Familiarization	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required
DOT: HM Function Specific - Hazard Classification Table	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required
DOT: HM Function Specific - Packaging	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required
DOT: HM Function Specific - Marking and Labeling	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required
DOT: HM Function Specific - Placarding	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required
DOT: HM Function Specific - Shipping Papers	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required
DOT: HM Function Specific - Loading/Unloading (Non-Bulk)	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Not Required	Not Required
DOT: HM Function Specific - Loading/Unloading (Bulk)	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Not Required	Not Required
DOT: HM Function Specific - Chemical Segregation	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Not Required	Not Required
DOT: HM Function Specific - Safety Training (51916)	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Not Required	Not Required
DOT: HM Function Specific - Special Permits	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Not Required	Not Required
DOT: HM Function Specific - ERG Book	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Not Required	Not Required
DOT: HM Function Specific - Incident Reporting	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Not Required	Not Required
DOT: HM Function Specific - Material-of-Trade	OPS-EHS-WI-003	Initial	Every 3-Years	CEO/Operations	Not Required	Required
DOT: HM Security Awareness	OPS-EHS-WI-003	Initial	Every 3-Years	CEO/Operations	Required	Required
DOT: HM Security In-Depth	OPS-EHS-WI-003	Initial	Every 3-Years	CEO/Operations	Required	Required
FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA)						
FEMA: Active Shooter (IS-00907)	N/A	Initial	N/A	FEMA (Online)	Not Required	Not Required
FEMA: Basic Workplace Security Awareness (IS-00906)	N/A	Initial	N/A	FEMA (Online)	Not Required	Not Required
FEMA: Theft and Diversion (IS-00916)	N/A	Initial	N/A	FEMA (Online)	Not Required	Not Required

TRAINING COURSES		TRAINING INFORMATION			MANAGEMENT	
	Associated Program	Initial Training	Retraining	Trainer/Responsibility	CEO	President
OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION (OSHA)						
OSHA: 10-Hour General Industry	N/A	Initial	N/A	Various	Required	Not Required
OSHA: Bloodborne Pathogen - Training	OPS-EHS-WI-007	Initial	Annually	CEO/Operations	Required	Not Required
OSHA: Bloodborne Pathogen - HBV Vaccination	OPS-EHS-WI-007	Initial	N/A	CEO/Operations	Optional	Not Required
OSHA: Confined Spaces - General Awareness	OPS-EHS-WI-012	Initial	N/A	CEO/Operations	Required	Not Required
OSHA: Control of Hazardous Energy - Affected	OPS-EHS-WI-009	Initial	N/A	CEO/Operations	Required	Not Required
OSHA: Compressed Gas Safety	OPS-EHS-WI-020	Initial	N/A	CEO/Operations	Required	Not Required
OSHA: Contractor Safety	OPS-EHS-WI-021	Initial	N/A	CEO/Operations	Required	Required
OSHA: Electrical Safety Related Work Practices	OPS-EHS-WI-021	Initial	N/A	CEO/Operations	Required	Not Required
OSHA: Emergency Management Plan	OPS-EHS-WI-005	Initial	Annually	CEO/Operations	Required	Required
OSHA: Emergency Management Plan - Critical Roles, Operations and Shut-Down	OPS-EHS-WI-005	Initial	Annually	CEO/Operations	Required	Required
OSHA: Employee Access to Medical Records	OPS-EHS-WI-013	Initial	N/A	CEO/Operations	Required	Required
OSHA: Fire Prevention	OPS-EHS-WI-005	Initial	N/A	CEO/Operations	Required	Required
OSHA: Fire Extinguisher	OPS-EHS-WI-005	Initial	Annually	CEO/Operations	Required	Required
OSHA: First Aid and CPR	OPS-EHS-WI-008	Initial	Every 2-Years	Safety Matters	Required	Not Required
OSHA: Flammable and Combustible Liquids	OPS-EHS-WI-005	Initial	N/A	CEO/Operations	Required	Not Required
OSHA: Hazard Chemicals in Laboratory	OPS-EHS-WI-006	Initial	N/A	CEO/Operations	Not Required	Not Required
OSHA: Hazard Communication	OPS-EHS-WI-010	Initial	N/A	CEO/Operations	Required	Required
OSHA: Hazwoper First Responder (Spill)	OPS-EHS-WI-005	Initial	Annually	CEO/Operations	Required	Required
OSHA: Hazwoper 40-Hour	OPS-EHS-WI-005	Initial	N/A	Lindenberg Compliance	Required	Required
OSHA: Hazwoper 24-Hour	OPS-EHS-WI-005	Initial	Annually	Lindenberg Compliance	Required	Not Required
OSHA: Hazwoper 8-Hour	OPS-EHS-WI-005	N/A	Annually	Lindenberg Compliance	Required	Required
OSHA: Hot Work - General Awareness	OPS-EHS-WI-019	Initial	N/A	CEO/Operations	Required	Not Required
OSHA: Incident Reporting and Investigation	OPS-EHS-WI-004	Initial	N/A	CEO/Operations	Required	Required
OSHA: Ladder Safety	OPS-EHS-WI-023	Initial	N/A	CEO/Operations	Required	Not Required
OSHA: Personal Protective Equipment	OPS-EHS-WI-001	Initial	N/A	CEO/Operations	Required	Not Required
OSHA: Powered Industrial Truck - Forklift	OPS-EHS-WI-002	Initial	Every 3-Years	Wisconsin Lift Truck	Not Required	Not Required
OSHA: Powered Industrial Truck - Pallet Jack	OPS-EHS-WI-002	Initial	Every 3-Years	CEO/Operations	Required	Not Required
OSHA: Process Safety Management - General Awareness	OPS-EHS-WI-015	Initial	Every 3-Years	CEO/Operations	Required	Not Required
OSHA: Process Safety Management - Hazard Analysis	OPS-EHS-WI-015	Initial	Every 3-Years	CEO/Operations	Required	Not Required
OSHA: Process Safety Management - Information	OPS-EHS-WI-015	Initial	Every 3-Years	CEO/Operations	Required	Not Required
OSHA: Process Safety Management - Operator Responsibility	OPS-EHS-WI-015	Initial	Every 3-Years	CEO/Operations	Required	Not Required
OSHA: Respirator - Air-Purifying Fit Testing	OPS-EHS-WI-017	Initial	Annually	Concentra Medical	Not Required	Not Required
OSHA: Respirator - Air-Purifying Medical Release	OPS-EHS-WI-017	Initial	Expiration Date	Concentra Medical	Not Required	Not Required
OSHA: Respirator - Air-Purifying Training	OPS-EHS-WI-017	Initial	Every 2-Year	CEO/Operations	Not Required	Not Required
OSHA: Respirator - Dust Mask	OPS-EHS-WI-017	Initial	N/A	CEO/Operations	Required	Not Required
OSHA: Safety Orientation - Office	N/A	Initial	N/A	CEO/Operations	Not Required	Required
OSHA: Safety Orientation - Technical and Operations	N/A	Initial	N/A	CEO/Operations	Required	Required
OSHA: Static Electricity (Grounding and Bonding)	OPS-EHS-WI-005	Initial	N/A	CEO/Operations	Required	Not Required
OSHA: Visitor Safety	OPS-EHS-WI-025	Initial	N/A	CEO/Operations	Required	Required

TRAINING COURSES		TRAINING INFORMATION			MANAGEMENT	
	Associated Program	Initial Training	Retraining	Trainer/Responsibility	CEO	President
Wisconsin Department of Natural Resources (WDNR) and EPA						
WDNR: RCRA Hazardous Waste - McCoy 5-Day Course	OPS-EHS-WI-018	Initial	N/A	McCoy	Required	Required
WDNR: Solid Waste - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: Solid Waste Function Specific - Bulking, Consolidation and Depack/Repack	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Not Required	Not Required
WDNR: Used Oil Management - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: Electronic Management - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: Universal Waste - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Hazardous Waste - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Generator Classes	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Waste Characterization and Determination (Profiling)	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Sampling, Analytical Testing and Interpretation	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Waste Analysis Plan	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Waste Handling Limitations	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Manifest, Recordkeeping and Reporting	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Land Ban	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Container Management (Handling and Storage)	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Not Required
WDNR: RCRA Function Specific - Bulking Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Not Required
WDNR: RCRA Function Specific - Consolidation Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Not Required
WDNR: RCRA Function Specific - Depack/Repack Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Not Required
WDNR: RCRA Function Specific - Aerosol Puncturing Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Not Required
WDNR: RCRA Function Specific - Fuel Blending Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Not Required
WDNR: RCRA Function Specific - Acid and Base Neutralization Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Not Required
WDNR: RCRA Function Specific - Chemical Segregation	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Not Required
WDNR: RCRA Function Specific - Ignitable, Reactive and Incompatibles	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Not Required
WDNR: RCRA Function Specific - Air Emissions	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Not Required
WDNR: RCRA Function Specific - Exclusions and Exemptions	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Preparedness, Prevention and Contingency Planning	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Inspections	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Transportation 10-Day Transfer Facility	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Not Required
WDNR - RCRA Function Specific - Waste Minimization and Pollution Prevention	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Not Required
WDNR: Storm Water Management	OPS-EHS-WI-026	Initial	Annually	CEO/Operations	Required	Not Required
EPA: Spill Prevention, Control and Countermeasure	OPS-EHS-WI-016	Initial	Annually	CEO/Operations	Required	Required
Standard Operating Procedures (SOPs)						
Administrative - Human Resources - SOPs	ADM-HR-SOP-XXX	Initially	N/A	Department Manager	Required	Required
Administrative - Information Technology - SOPs	ADM-IT-SOP-XXX	Initially	N/A	Department Manager	Required	Required
Sales and Marketing - Sales - SOPs	SAM-SAL-SOP-XXX	Initially	N/A	Sales & Marketing Manager	Not Required	Required
Sales and Marketing - Marketing - SOPs	SAM-MKT-SOP-XXX	Initially	N/A	Sales & Marketing Manager	Not Required	Required
Sales and Marketing - Customer Service - SOPs	SAM-CST-SOP-XXX	Initially	N/A	Sales & Marketing Manager	Not Required	Required
Sales and Marketing - Finance - SOPs	SAM-FIN-SOP-XXX	Initially	N/A	Sales & Marketing Manager	Not Required	Required
Technical Services - Regulatory - SOPs	TSS-REG-SOP-XXX	Initially	N/A	Technical Services Manager	Not Required	Not Required
Technical Services - Approvals - SOPs	TSS-APP-SOP-XXX	Initially	N/A	Technical Services Manager	Not Required	Not Required

TRAINING COURSES		TRAINING INFORMATION			MANAGEMENT	
	Associated Program	Initial Training	Retraining	Trainer/Responsibility	CEO	President
Technical Services - Laboratory - SOPs	TSS-LAB-SOP-XXX	Initially	N/A	Technical Services Manager	Not Required	Not Required
Operations - Scheduling - SOPs	OPS-SCH-SOP-XXX	Initially	N/A	Operations Manager	Required	Not Required
Operations - Receiving - SOPs	OPS-REC-SOP-XXX	Initially	N/A	Operations Manager	Required	Not Required
Operations - Solid Waste Management - SOPs	OPS-NH-SOP-XXX	Initially	N/A	Operations Manager	Required	Not Required
Operations - RCRA Hazardous Waste Management - SOPs	OPS-HAZ-SOP-XXX	Initially	N/A	Operations Manager	Required	Not Required
Operations - Used Oil Management - SOPs	OPS-OIL-SOP-XXX	Initially	N/A	Operations Manager	Required	Not Required
Operations - Universal Waste Small Quantity Handler Management - SOPs	OPS-UNV-SOP-XXX	Initially	N/A	Operations Manager	Required	Not Required
Operations - Solvent Continue Use Management - SOPs	OPS-SCU-SOP-XXX	Initially	N/A	Operations Manager	Required	Not Required
Operations - Transportation - SOPs	OPS-TRN-SOP-XXX	Initially	N/A	Operations Manager	Required	Not Required
Operations - Total Preventative Maintenance - SOPs	OPS-TPM-SOP-XXX	Initially	N/A	Operations Manager	Required	Not Required
Operations - Environmental, Health and Safety - SOPs	OPS-EHS-SOP-XXX	Initially	N/A	Operations Manager	Required	Not Required
On-The-Job (OTJ)						
Emergency Management - Evacuation Routes and Meeting Location	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required
Emergency Management - Alarm System Operation	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required
Emergency Management - Location and Operations of Two-Way Walkie Talkies	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required
Emergency Management - Spill Kit Locations and Items	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required
Emergency Management - Fire Extinguishers and Fire Hoses Location	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required
Emergency Management - Emergency Eyewash and Shower Location and Use	OPS-EHS-WI-010	Initially	N/A	Manager	Required	Required
Bloodborne Pathogens - Bloodborne Pathogen Clean-Up Kit Location	OPS-EHS-WI-007	Initially	N/A	Manager	Required	Required
Medical Management - First Aid Kit Location	OPS-EHS-WI-008	Initially	N/A	Manager	Required	Required
Incident Reporting and Investigation - Report Forms and Submittal	OPS-EHS-WI-004	Initially	N/A	Manager	Required	Required
Personal Protective Equipment - PPE Cabinet and Items	OPS-EHS-WI-001	Initially	N/A	Manager	Required	Required
Personal Protective Equipment - Safety Shoes Reimbursement	OPS-EHS-WI-001	Initially	N/A	Manager	Required	Required
Respiratory Protection - Issuance of Respirator, Cartridges and Storage Container	OPS-EHS-WI-017	Initially	N/A	Manager	Not Required	Not Required
Powered Industrial Trucks - Daily Inspection Sheets	OPS-EHS-WI-002	Initially	N/A	Manager	Not Required	Not Required
Powered Industrial Trucks - Battery Water Addition	OPS-EHS-WI-002	Initially	N/A	Manager	Not Required	Not Required
Powered Industrial Trucks - Proper Pallet Jack Usage	OPS-EHS-WI-002	Initially	N/A	Manager	Not Required	Not Required
Powered Industrial Trucks - Charging	OPS-EHS-WI-002	Initially	N/A	Manager	Not Required	Not Required
Powered Industrial Trucks - Drum Dumper Attachment Operation	OPS-EHS-WI-002	Initially	N/A	Manager	Not Required	Not Required
Powered Industrial Trucks - 2 Drum Handler Attachment Operation	OPS-EHS-WI-002	Initially	N/A	Manager	Not Required	Not Required
Hazardous Chemicals in Laboratory - Proper Chemical Storage	OPS-EHS-WI-009	Initially	N/A	Manager	Required	Not Required
Static Electricity - Grounding and Bonding Equipment and Usage	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Not Required
Secondary Containment - Sampling of Rainwater and Documentation	OPS-EHS-WI-016	Initially	N/A	Manager	Required	Not Required
Secondary Containment - Manhole Valves Close/Open Operation	OPS-EHS-WI-016	Initially	N/A	Manager	Required	Not Required
Bulk Tanker - Proper Hose Hook-Up, Connections, Fittings	TBD	Initially	N/A	Manager	Not Required	Not Required
Bulk Tanker - Loading and Unloading Procedures	TBD	Initially	N/A	Manager	Not Required	Not Required
Bulk Tanker - Loading and Unloading Inspection	TBD	Initially	N/A	Manager	Not Required	Not Required
Bulk Tanker - Use of Strainer	TBD	Initially	N/A	Manager	Not Required	Not Required
Bulk Tanker - Wheels Chocked	TBD	Initially	N/A	Manager	Not Required	Not Required
Bulk Tanker - Placarding	TBD	Initially	N/A	Manager	Not Required	Not Required
Bulk Tanker - Vacuum Operation	TBD	Initially	N/A	Manager	Not Required	Not Required

TRAINING COURSES		TRAINING INFORMATION			MANAGEMENT	
	Associated Program	Initial Training	Retraining	Trainer/Responsibility	CEO	President
Straight Trucks and Semi-Trailer - Loading and Unloading Procedures	TBD	Initially	N/A	Manager	Not Required	Not Required
Straight Trucks and Semi-Trailers - Placarding	TBD	Initially	N/A	Manager	Not Required	Not Required
Straight Trucks and Semi-Trailer - Wheels Chocked	TBD	Initially	N/A	Manager	Not Required	Not Required
Straight Trucks and Semi-Trailers - Loading Dock Operation	TBD	Initially	N/A	Manager	Not Required	Not Required
Proper Container Labeling - Internal Bar Code Label	TBD	Initially	N/A	Manager	Required	Required
Storage - Segregation of Waste and Use of Containment Pallets	TBD	Initially	N/A	Manager	Required	Not Required
Storage - Leaking Container Overpack Container Use	TBD	Initially	N/A	Manager	Required	Not Required
Storage - Handling Container Under Pressure	TBD	Initially	N/A	Manager	Required	Not Required
AGST - Pumping from RM 126 into Tanks	TBD	Initially	N/A	Manager	Not Required	Not Required
AGST - Pumping from RM 126 into Tanker Vehicle	TBD	Initially	N/A	Manager	Not Required	Not Required
AGST - Pumping from Tanks to a Tanker Vehicle	TBD	Initially	N/A	Manager	Not Required	Not Required
AGST - Pumping from Tanker Vehicle to a Tank	TBD	Initially	N/A	Manager	Not Required	Not Required
RM 125 and RM 126 - No Cell Phones	TBD	Initially	N/A	Manager	Not Required	Not Required
RM 125 and RM 126 - Use of Non-Sparking Tools Only	TBD	Initially	N/A	Manager	Not Required	Not Required
RM 125 and RM 126 - No Portable Electrical Equipment (Fans, Tools, Etc.) Allowed	TBD	Initially	N/A	Manager	Not Required	Not Required
Equipment - Drum Cart Usage	N/A	Initially	N/A	Manager	Not Required	Not Required
Equipment - Floor Scrubber Proper Operation	N/A	Initially	N/A	Manager	Not Required	Not Required
Equipment - Pressure Washer Proper Operation	N/A	Initially	N/A	Manager	Not Required	Not Required
Building - Security System On/Off	N/A	Initially	N/A	Manager	Required	Required
Building - Badge Card Access	N/A	Initially	N/A	Manager	Required	Required
Building - Housekeeping	N/A	Initially	N/A	Manager	Required	Required
Building - No Smoking on the Property	N/A	Initially	N/A	Manager	Required	Required
Waste Generation - Empty Container Recycling Trailer	TBD	Initially	N/A	Manager	Required	Not Required
Waste Generation - Satellite Accumulation Containers	WI-EHS-018	Initially	N/A	Manager	Required	Not Required





Enviro-Safe Resource Recovery - Germantown
Training Matrix Last Updated: 6/23/2022

TRAINING COURSES		TRAINING INFORMATION			SALES AND MARKETING			
	Associated Program	Initial Training	Retraining	Trainer/Responsibility	Sales Manager	Business Service Manager	Customer Service Specialist	Finance Specialist
DEPARTMENT OF TRANSPORTATION (DOT)								
DOT: Driver - DMV Certification of Licenses	OPS-EHS-WI-014	Initial	Expiration Date	CEO/Operations	Not Required	Not Required	Not Required	Not Required
DOT: Driver - DMV Background Check	OPS-EHS-WI-014	Initial	Annually	CEO/Operations	Not Required	Not Required	Not Required	Not Required
DOT: Driver - FMSCA Clearinghouse Check	OPS-EHS-WI-014	Initial	Annually	CEO/Operations	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Medical Exam and Certification	OPS-EHS-WI-014	Initial	Expiration Date	CEO/Operations	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Alcohol and Drug Testing	OPS-EHS-WI-014	Initial	N/A	CEO/Operations	Not Required	Not Required	Not Required	Not Required
DOT: Supervisor - Alcohol and Drug Testing	OPS-EHS-WI-014	Initial	N/A	CEO/Operations	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Accident Procedures (43861)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Entry Level Operator (43001)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Hours of Service Basis (61324)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Injury Prevention for CMV Drivers (48454)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Injury Prevention Around Tankers (49838)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Manage Speed and Space (55757)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Straight Truck Operation (51254)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Tank Truck Operation (24456 & 24455)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Vehicle Inspection Tractor Trailer (51916)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required
DOT: HM General Awareness and Familiarization	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required
DOT: HM Function Specific - Hazard Classification Table	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required
DOT: HM Function Specific - Packaging	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required
DOT: HM Function Specific - Marking and Labeling	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required
DOT: HM Function Specific - Placarding	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required
DOT: HM Function Specific - Shipping Papers	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required
DOT: HM Function Specific - Loading/Unloading (Non-Bulk)	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Not Required	Not Required	Not Required	Not Required
DOT: HM Function Specific - Loading/Unloading (Bulk)	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Not Required	Not Required	Not Required	Not Required
DOT: HM Function Specific - Chemical Segregation	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Not Required	Not Required	Not Required	Not Required
DOT: HM Function Specific - Safety Training (51916)	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Not Required	Not Required	Not Required	Not Required
DOT: HM Function Specific - Special Permits	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Not Required	Not Required	Not Required	Not Required
DOT: HM Function Specific - ERG Book	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Not Required	Not Required	Not Required	Not Required
DOT: HM Function Specific - Incident Reporting	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Not Required	Not Required	Not Required	Not Required
DOT: HM Function Specific - Material-of-Trade	OPS-EHS-WI-003	Initial	Every 3-Years	CEO/Operations	Required	Required	Not Required	Not Required
DOT: HM Security Awareness	OPS-EHS-WI-003	Initial	Every 3-Years	CEO/Operations	Required	Required	Required	Required
DOT: HM Security In-Depth	OPS-EHS-WI-003	Initial	Every 3-Years	CEO/Operations	Required	Not Required	Not Required	Not Required
FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA)								
FEMA: Active Shooter (IS-00907)	N/A	Initial	N/A	FEMA (Online)	Not Required	Not Required	Not Required	Not Required
FEMA: Basic Workplace Security Awareness (IS-00906)	N/A	Initial	N/A	FEMA (Online)	Not Required	Not Required	Not Required	Not Required
FEMA: Theft and Diversion (IS-00916)	N/A	Initial	N/A	FEMA (Online)	Not Required	Not Required	Not Required	Not Required
OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION (OSHA)								
OSHA: 10-Hour General Industry	N/A	Initial	N/A	Various	Not Required	Not Required	Not Required	Not Required
OSHA: Bloodborne Pathogen - Training	OPS-EHS-WI-007	Initial	Annually	CEO/Operations	Not Required	Not Required	Not Required	Not Required
OSHA: Bloodborne Pathogen - HBV Vaccination	OPS-EHS-WI-007	Initial	N/A	CEO/Operations	Not Required	Not Required	Not Required	Not Required
OSHA: Confined Spaces - General Awareness	OPS-EHS-WI-012	Initial	N/A	CEO/Operations	Not Required	Not Required	Not Required	Not Required
OSHA: Control of Hazardous Energy - Affected	OPS-EHS-WI-009	Initial	N/A	CEO/Operations	Not Required	Not Required	Not Required	Not Required
OSHA: Compressed Gas Safety	OPS-EHS-WI-020	Initial	N/A	CEO/Operations	Not Required	Not Required	Not Required	Not Required

TRAINING COURSES		TRAINING INFORMATION			SALES AND MARKETING			
	Associated Program	Initial Training	Retraining	Trainer/Responsibility	Sales Manager	Business Service Manager	Customer Service Specialist	Finance Specialist
OSHA: Contractor Safety	OPS-EHS-WI-021	Initial	N/A	CEO/Operations	Not Required	Not Required	Not Required	Not Required
OSHA: Electrical Safety Related Work Practices	OPS-EHS-WI-021	Initial	N/A	CEO/Operations	Not Required	Not Required	Not Required	Not Required
OSHA: Emergency Management Plan	OPS-EHS-WI-005	Initial	Annually	CEO/Operations	Required	Required	Required	Required
OSHA: Emergency Management Plan - Critical Roles, Operations and Shut-Down	OPS-EHS-WI-005	Initial	Annually	CEO/Operations	Required	Not Required	Not Required	Not Required
OSHA: Employee Access to Medical Records	OPS-EHS-WI-013	Initial	N/A	CEO/Operations	Required	Required	Required	Required
OSHA: Fire Prevention	OPS-EHS-WI-005	Initial	N/A	CEO/Operations	Not Required	Not Required	Not Required	Not Required
OSHA: Fire Extinguisher	OPS-EHS-WI-005	Initial	Annually	CEO/Operations	Not Required	Not Required	Not Required	Not Required
OSHA: First Aid and CPR	OPS-EHS-WI-008	Initial	Every 2-Years	Safety Matters	Not Required	Not Required	Not Required	Not Required
OSHA: Flammable and Combustible Liquids	OPS-EHS-WI-005	Initial	N/A	CEO/Operations	Not Required	Not Required	Not Required	Not Required
OSHA: Hazard Chemicals in Laboratory	OPS-EHS-WI-006	Initial	N/A	CEO/Operations	Not Required	Not Required	Not Required	Not Required
OSHA: Hazard Communication	OPS-EHS-WI-010	Initial	N/A	CEO/Operations	Required	Required	Required	Required
OSHA: Hazwoper First Responder (Spill)	OPS-EHS-WI-005	Initial	Annually	CEO/Operations	Not Required	Required	Not Required	Not Required
OSHA: Hazwoper 40-Hour	OPS-EHS-WI-005	Initial	N/A	Lindenberg Compliance	Not Required	Not Required	Not Required	Not Required
OSHA: Hazwoper 24-Hour	OPS-EHS-WI-005	Initial	Annually	Lindenberg Compliance	Not Required	Not Required	Not Required	Not Required
OSHA: Hazwoper 8-Hour	OPS-EHS-WI-005	N/A	Annually	Lindenberg Compliance	Not Required	Not Required	Not Required	Not Required
OSHA: Hot Work - General Awareness	OPS-EHS-WI-019	Initial	N/A	CEO/Operations	Not Required	Not Required	Not Required	Not Required
OSHA: Incident Reporting and Investigation	OPS-EHS-WI-004	Initial	N/A	CEO/Operations	Required	Required	Required	Required
OSHA: Ladder Safety	OPS-EHS-WI-023	Initial	N/A	CEO/Operations	Not Required	Not Required	Not Required	Not Required
OSHA: Personal Protective Equipment	OPS-EHS-WI-001	Initial	N/A	CEO/Operations	Not Required	Required	Not Required	Not Required
OSHA: Powered Industrial Truck - Forklift	OPS-EHS-WI-002	Initial	Every 3-Years	Wisconsin Lift Truck	Not Required	Not Required	Not Required	Not Required
OSHA: Powered Industrial Truck - Pallet Jack	OPS-EHS-WI-002	Initial	Every 3-Years	CEO/Operations	Not Required	Not Required	Not Required	Not Required
OSHA: Process Safety Management - General Awareness	OPS-EHS-WI-015	Initial	Every 3-Years	CEO/Operations	Not Required	Not Required	Not Required	Not Required
OSHA: Process Safety Management - Hazard Analysis	OPS-EHS-WI-015	Initial	Every 3-Years	CEO/Operations	Not Required	Not Required	Not Required	Not Required
OSHA: Process Safety Management - Information	OPS-EHS-WI-015	Initial	Every 3-Years	CEO/Operations	Not Required	Not Required	Not Required	Not Required
OSHA: Process Safety Management - Operator Responsibility	OPS-EHS-WI-015	Initial	Every 3-Years	CEO/Operations	Not Required	Not Required	Not Required	Not Required
OSHA: Respirator - Air-Purifying Fit Testing	OPS-EHS-WI-017	Initial	Annually	Concentra Medical	Not Required	Not Required	Not Required	Not Required
OSHA: Respirator - Air-Purifying Medical Release	OPS-EHS-WI-017	Initial	Expiration Date	Concentra Medical	Not Required	Not Required	Not Required	Not Required
OSHA: Respirator - Air-Purifying Training	OPS-EHS-WI-017	Initial	Every 2-Year	CEO/Operations	Not Required	Not Required	Not Required	Not Required
OSHA: Respirator - Dust Mask	OPS-EHS-WI-017	Initial	N/A	CEO/Operations	Not Required	Not Required	Not Required	Not Required
OSHA: Safety Orientation - Office	N/A	Initial	N/A	CEO/Operations	Required	Required	Required	Required
OSHA: Safety Orientation - Technical and Operations	N/A	Initial	N/A	CEO/Operations	Not Required	Not Required	Not Required	Not Required
OSHA: Static Electricity (Grounding and Bonding)	OPS-EHS-WI-005	Initial	N/A	CEO/Operations	Not Required	Not Required	Not Required	Not Required
OSHA: Visitor Safety	OPS-EHS-WI-025	Initial	N/A	CEO/Operations	Required	Required	Required	Required

Wisconsin Department of Natural Resources (WDNR) and EPA

WDNR: RCRA Hazardous Waste - McCoy 5-Day Course	OPS-EHS-WI-018	Initial	N/A	McCoy	Required	Not Required	Not Required	Not Required
WDNR: Solid Waste - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: Solid Waste Function Specific - Bulking, Consolidation and Depack/Repack	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Not Required	Not Required	Not Required	Not Required
WDNR: Used Oil Management - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: Electronic Management - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: Universal Waste - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Hazardous Waste - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Generator Classes	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Waste Characterization and Determination (Profiling)	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Sampling, Analytical Testing and Interpretation	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Not Required
WDNR: RCRA Function Specific - Waste Analysis Plan	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Not Required	Not Required	Not Required
WDNR: RCRA Function Specific - Waste Handling Limitations	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Not Required
WDNR: RCRA Function Specific - Manifest, Recordkeeping and Reporting	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Land Ban	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Container Management (Handling and Storage)	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Not Required	Not Required	Not Required	Not Required

TRAINING COURSES		TRAINING INFORMATION			SALES AND MARKETING			
	Associated Program	Initial Training	Retraining	Trainer/Responsibility	Sales Manager	Business Service Manager	Customer Service Specialist	Finance Specialist
WDNR: RCRA Function Specific - Bulking Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Not Required	Not Required	Not Required	Not Required
WDNR: RCRA Function Specific - Consolidation Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Not Required	Not Required	Not Required	Not Required
WDNR: RCRA Function Specific - Depack/Repack Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Not Required	Not Required	Not Required	Not Required
WDNR: RCRA Function Specific - Aerosol Puncturing Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Not Required	Not Required	Not Required	Not Required
WDNR: RCRA Function Specific - Fuel Blending Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Not Required	Not Required	Not Required	Not Required
WDNR: RCRA Function Specific - Acid and Base Neutralization Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Not Required	Not Required	Not Required	Not Required
WDNR: RCRA Function Specific - Chemical Segregation	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Not Required	Not Required	Not Required	Not Required
WDNR: RCRA Function Specific - Ignitable, Reactive and Incompatibles	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Not Required	Not Required	Not Required	Not Required
WDNR: RCRA Function Specific - Air Emissions	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Not Required	Not Required	Not Required	Not Required
WDNR: RCRA Function Specific - Exclusions and Exemptions	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Preparedness, Prevention and Contingency Planning	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Inspections	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Not Required	Not Required	Not Required	Not Required
WDNR: RCRA Function Specific - Transportation 10-Day Transfer Facility	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Not Required	Not Required	Not Required	Not Required
WDNR - RCRA Function Specific - Waste Minimization and Pollution Prevention	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Not Required	Not Required	Not Required	Not Required
WDNR: Storm Water Management	OPS-EHS-WI-026	Initial	Annually	CEO/Operations	Not Required	Not Required	Not Required	Not Required
EPA: Spill Prevention, Control and Countermeasure	OPS-EHS-WI-016	Initial	Annually	CEO/Operations	Required	Not Required	Not Required	Not Required
Standard Operating Procedures (SOPs)								
Administrative - Human Resources - SOPs	ADM-HR-SOP-XXX	Initially	N/A	Department Manager	Required	Required	Required	Required
Administrative - Information Technology - SOPs	ADM-IT-SOP-XXX	Initially	N/A	Department Manager	Required	Required	Required	Required
Sales and Marketing - Sales - SOPs	SAM-SAL-SOP-XXX	Initially	N/A	Sales & Marketing Manager	Required	Required	Not Required	Not Required
Sales and Marketing - Marketing - SOPs	SAM-MKT-SOP-XXX	Initially	N/A	Sales & Marketing Manager	Required	Required	Not Required	Not Required
Sales and Marketing - Customer Service - SOPs	SAM-CST-SOP-XXX	Initially	N/A	Sales & Marketing Manager	Required	Not Required	Required	Not Required
Sales and Marketing - Finance - SOPs	SAM-FIN-SOP-XXX	Initially	N/A	Sales & Marketing Manager	Required	Not Required	Not Required	Required
Technical Services - Regulatory - SOPs	TSS-REG-SOP-XXX	Initially	N/A	Technical Services Manager	Not Required	Not Required	Not Required	Not Required
Technical Services - Approvals - SOPs	TSS-APP-SOP-XXX	Initially	N/A	Technical Services Manager	Not Required	Not Required	Not Required	Not Required
Technical Services - Laboratory - SOPs	TSS-LAB-SOP-XXX	Initially	N/A	Technical Services Manager	Not Required	Not Required	Not Required	Not Required
Operations - Scheduling - SOPs	OPS-SCH-SOP-XXX	Initially	N/A	Operations Manager	Not Required	Not Required	Not Required	Not Required
Operations - Receiving - SOPs	OPS-REC-SOP-XXX	Initially	N/A	Operations Manager	Not Required	Not Required	Not Required	Not Required
Operations - Solid Waste Management - SOPs	OPS-NH-SOP-XXX	Initially	N/A	Operations Manager	Not Required	Not Required	Not Required	Not Required
Operations - RCRA Hazardous Waste Management - SOPs	OPS-HAZ-SOP-XXX	Initially	N/A	Operations Manager	Not Required	Not Required	Not Required	Not Required
Operations - Used Oil Management - SOPs	OPS-OIL-SOP-XXX	Initially	N/A	Operations Manager	Not Required	Not Required	Not Required	Not Required
Operations - Universal Waste Small Quantity Handler Management - SOPs	OPS-UNV-SOP-XXX	Initially	N/A	Operations Manager	Not Required	Not Required	Not Required	Not Required
Operations - Solvent Continue Use Management - SOPs	OPS-SCU-SOP-XXX	Initially	N/A	Operations Manager	Not Required	Not Required	Not Required	Not Required
Operations - Transportation - SOPs	OPS-TRN-SOP-XXX	Initially	N/A	Operations Manager	Not Required	Not Required	Not Required	Not Required
Operations - Total Preventative Maintenance - SOPs	OPS-TPM-SOP-XXX	Initially	N/A	Operations Manager	Not Required	Not Required	Not Required	Not Required
Operations - Environmental, Health and Safety - SOPs	OPS-EHS-SOP-XXX	Initially	N/A	Operations Manager	Not Required	Not Required	Not Required	Not Required
On-The-Job (OTJ)								
Emergency Management - Evacuation Routes and Meeting Location	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required	Required	Required
Emergency Management - Alarm System Operation	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required	Required	Required
Emergency Management - Location and Operations of Two-Way Walkie Talkies	OPS-EHS-WI-005	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Emergency Management - Spill Kit Locations and Items	OPS-EHS-WI-005	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Emergency Management - Fire Extinguishers and Fire Hoses Location	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required	Required	Required
Emergency Management - Emergency Eyewash and Shower Location and Use	OPS-EHS-WI-010	Initially	N/A	Manager	Required	Required	Required	Required
Bloodborne Pathogens - Bloodborne Pathogen Clean-Up Kit Location	OPS-EHS-WI-007	Initially	N/A	Manager	Optional	Optional	Optional	Optional
Medical Management - First Aid Kit Location	OPS-EHS-WI-008	Initially	N/A	Manager	Required	Required	Required	Required
Incident Reporting and Investigation - Report Forms and Submittal	OPS-EHS-WI-004	Initially	N/A	Manager	Required	Required	Required	Required
Personal Protective Equipment - PPE Cabinet and Items	OPS-EHS-WI-001	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Personal Protective Equipment - Safety Shoes Reimbursement	OPS-EHS-WI-001	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required

TRAINING COURSES		TRAINING INFORMATION			SALES AND MARKETING			
	Associated Program	Initial Training	Retraining	Trainer/Responsibility	Sales Manager	Business Service Manager	Customer Service Specialist	Finance Specialist
Respiratory Protection - Issuance of Respirator, Cartridges and Storage Container	OPS-EHS-WI-017	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Powered Industrial Trucks - Daily Inspection Sheets	OPS-EHS-WI-002	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Powered Industrial Trucks - Battery Water Addition	OPS-EHS-WI-002	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Powered Industrial Trucks - Proper Pallet Jack Usage	OPS-EHS-WI-002	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Powered Industrial Trucks - Charging	OPS-EHS-WI-002	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Powered Industrial Trucks - Drum Dumper Attachment Operation	OPS-EHS-WI-002	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Powered Industrial Trucks - 2 Drum Handler Attachment Operation	OPS-EHS-WI-002	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Hazardous Chemicals in Laboratory - Proper Chemical Storage	OPS-EHS-WI-009	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Static Electricity - Grounding and Bonding Equipment and Usage	OPS-EHS-WI-005	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Secondary Containment - Sampling of Rainwater and Documentation	OPS-EHS-WI-016	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Secondary Containment - Manhole Valves Close/Open Operation	OPS-EHS-WI-016	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Bulk Tanker - Proper Hose Hook-Up, Connections, Fittings	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Bulk Tanker - Loading and Unloading Procedures	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Bulk Tanker - Loading and Unloading Inspection	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Bulk Tanker - Use of Strainer	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Bulk Tanker - Wheels Chocked	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Bulk Tanker - Placarding	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Bulk Tanker - Vacuum Operation	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Straight Trucks and Semi-Trailer - Loading and Unloading Procedures	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Straight Trucks and Semi-Trailers - Placarding	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Straight Trucks and Semi-Trailer - Wheels Chocked	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Straight Trucks and Semi-Trailers - Loading Dock Operation	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Proper Container Labeling - Internal Bar Code Label	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Storage - Segregation of Waste and Use of Containment Pallets	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Storage - Leaking Container Overpack Container Use	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Storage - Handling Container Under Pressure	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
AGST - Pumping from RM 126 into Tanks	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
AGST - Pumping from RM 126 into Tanker Vehicle	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
AGST - Pumping from Tanks to a Tanker Vehicle	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
AGST - Pumping from Tanker Vehicle to a Tank	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
RM 125 and RM 126 - No Cell Phones	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
RM 125 and RM 126 - Use of Non-Sparking Tools Only	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
RM 125 and RM 126 - No Portable Electrical Equipment (Fans, Tools, Etc.) Allowed	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Equipment - Drum Cart Usage	N/A	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Equipment - Floor Scrubber Proper Operation	N/A	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Equipment - Pressure Washer Proper Operation	N/A	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Building - Security System On/Off	N/A	Initially	N/A	Manager	Required	Required	Required	Required
Building - Badge Card Access	N/A	Initially	N/A	Manager	Required	Required	Required	Required
Building - Housekeeping	N/A	Initially	N/A	Manager	Required	Required	Required	Required
Building - No Smoking on the Property	N/A	Initially	N/A	Manager	Required	Required	Required	Required
Waste Generation - Empty Container Recycling Trailer	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Waste Generation - Satellite Accumulation Containers	WI-EHS-018	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required



Enviro-Safe Resource Recovery - Germantown

Training Matrix

Last Updated: 6/23/2022

TRAINING COURSES		TRAINING INFORMATION			TECHNICAL SERVICES			
	Associated Program	Initial Training	Retraining	Trainer/Responsibility	Technical Services Manager	Approval Specialist	Laboratory Chemist	Laboratory Technician
DEPARTMENT OF TRANSPORTATION (DOT)								
DOT: Driver - DMV Certification of Licenses	OPS-EHS-WI-014	Initial	Expiration Date	CEO/Operations	Not Required	Not Required	Not Required	Not Required
DOT: Driver - DMV Background Check	OPS-EHS-WI-014	Initial	Annually	CEO/Operations	Not Required	Not Required	Not Required	Not Required
DOT: Driver - FMSCA Clearinghouse Check	OPS-EHS-WI-014	Initial	Annually	CEO/Operations	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Medical Exam and Certification	OPS-EHS-WI-014	Initial	Expiration Date	CEO/Operations	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Alcohol and Drug Testing	OPS-EHS-WI-014	Initial	N/A	CEO/Operations	Not Required	Not Required	Not Required	Not Required
DOT: Supervisor - Alcohol and Drug Testing	OPS-EHS-WI-014	Initial	N/A	CEO/Operations	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Accident Procedures (43861)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Entry Level Operator (43001)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Hours of Service Basis (61324)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Injury Prevention for CMV Drivers (48454)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Injury Prevention Around Tankers (49838)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Manage Speed and Space (55757)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Straight Truck Operation (51254)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Tank Truck Operation (24456 & 24455)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Vehicle Inspection Tractor Trailer (51916)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required
DOT: HM General Awareness and Familiarization	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required
DOT: HM Function Specific - Hazard Classification Table	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required
DOT: HM Function Specific - Packaging	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required
DOT: HM Function Specific - Marking and Labeling	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required
DOT: HM Function Specific - Placarding	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required
DOT: HM Function Specific - Shipping Papers	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required
DOT: HM Function Specific - Loading/Unloading (Non-Bulk)	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Not Required	Not Required	Not Required	Not Required
DOT: HM Function Specific - Loading/Unloading (Bulk)	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Not Required	Not Required	Not Required	Not Required
DOT: HM Function Specific - Chemical Segregation	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Not Required	Not Required	Not Required	Not Required
DOT: HM Function Specific - Safety Training (51916)	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required
DOT: HM Function Specific - Special Permits	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Not Required	Not Required	Not Required	Not Required
DOT: HM Function Specific - ERG Book	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Not Required	Not Required	Not Required	Not Required
DOT: HM Function Specific - Incident Reporting	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Not Required	Not Required	Not Required	Not Required
DOT: HM Function Specific - Material-of-Trade	OPS-EHS-WI-003	Initial	Every 3-Years	CEO/Operations	Not Required	Not Required	Not Required	Not Required
DOT: HM Security Awareness	OPS-EHS-WI-003	Initial	Every 3-Years	CEO/Operations	Required	Required	Required	Required
DOT: HM Security In-Depth	OPS-EHS-WI-003	Initial	Every 3-Years	CEO/Operations	Required	Not Required	Not Required	Not Required
FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA)								
FEMA: Active Shooter (IS-00907)	N/A	Initial	N/A	FEMA (Online)	Required	Required	Required	Required
FEMA: Basic Workplace Security Awareness (IS-00906)	N/A	Initial	N/A	FEMA (Online)	Required	Required	Required	Required
FEMA: Theft and Diversion (IS-00916)	N/A	Initial	N/A	FEMA (Online)	Required	Required	Required	Required
OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION (OSHA)								
OSHA: 10-Hour General Industry	N/A	Initial	N/A	Various	Required	Not Required	Not Required	Not Required
OSHA: Bloodborne Pathogen - Training	OPS-EHS-WI-007	Initial	Annually	CEO/Operations	Required	Optional	Optional	Optional
OSHA: Bloodborne Pathogen - HBV Vaccination	OPS-EHS-WI-007	Initial	N/A	CEO/Operations	Optional	Optional	Optional	Optional

TRAINING COURSES		TRAINING INFORMATION			TECHNICAL SERVICES			
	Associated Program	Initial Training	Retraining	Trainer/Responsibility	Technical Services Manager	Approval Specialist	Laboratory Chemist	Laboratory Technician
OSHA: Confined Spaces - General Awareness	OPS-EHS-WI-012	Initial	N/A	CEO/Operations	Required	Required	Required	Required
OSHA: Control of Hazardous Energy - Affected	OPS-EHS-WI-009	Initial	N/A	CEO/Operations	Required	Required	Required	Required
OSHA: Compressed Gas Safety	OPS-EHS-WI-020	Initial	N/A	CEO/Operations	Required	Required	Required	Required
OSHA: Contractor Safety	OPS-EHS-WI-021	Initial	N/A	CEO/Operations	Required	Required	Not Required	Not Required
OSHA: Electrical Safety Related Work Practices	OPS-EHS-WI-021	Initial	N/A	CEO/Operations	Required	Required	Required	Required
OSHA: Emergency Management Plan	OPS-EHS-WI-005	Initial	Annually	CEO/Operations	Required	Required	Required	Required
OSHA: Emergency Management Plan - Critical Roles, Operations and Shut-Down	OPS-EHS-WI-005	Initial	Annually	CEO/Operations	Required	Not Required	Not Required	Not Required
OSHA: Employee Access to Medical Records	OPS-EHS-WI-013	Initial	N/A	CEO/Operations	Required	Required	Required	Required
OSHA: Fire Prevention	OPS-EHS-WI-005	Initial	N/A	CEO/Operations	Required	Required	Required	Required
OSHA: Fire Extinguisher	OPS-EHS-WI-005	Initial	Annually	CEO/Operations	Required	Required	Required	Required
OSHA: First Aid and CPR	OPS-EHS-WI-008	Initial	Every 2-Years	Safety Matters	Required	Required	Optional	Optional
OSHA: Flammable and Combustible Liquids	OPS-EHS-WI-005	Initial	N/A	CEO/Operations	Required	Required	Required	Required
OSHA: Hazard Chemicals in Laboratory	OPS-EHS-WI-006	Initial	N/A	CEO/Operations	Required	Required	Required	Required
OSHA: Hazard Communication	OPS-EHS-WI-010	Initial	N/A	CEO/Operations	Required	Required	Required	Required
OSHA: Hazwoper First Responder (Spill)	OPS-EHS-WI-005	Initial	Annually	CEO/Operations	Required	Required	Required	Required
OSHA: Hazwoper 40-Hour	OPS-EHS-WI-005	Initial	N/A	Lindenberg Compliance	Required	Required	Required	Required
OSHA: Hazwoper 24-Hour	OPS-EHS-WI-005	Initial	Annually	Lindenberg Compliance	Not Required	Not Required	Not Required	Not Required
OSHA: Hazwoper 8-Hour	OPS-EHS-WI-005	N/A	Annually	Lindenberg Compliance	Required	Required	Required	Required
OSHA: Hot Work - General Awareness	OPS-EHS-WI-019	Initial	N/A	CEO/Operations	Required	Required	Required	Required
OSHA: Incident Reporting and Investigation	OPS-EHS-WI-004	Initial	N/A	CEO/Operations	Required	Required	Required	Required
OSHA: Ladder Safety	OPS-EHS-WI-023	Initial	N/A	CEO/Operations	Required	Required	Required	Required
OSHA: Personal Protective Equipment	OPS-EHS-WI-001	Initial	N/A	CEO/Operations	Required	Required	Required	Required
OSHA: Powered Industrial Truck - Forklift	OPS-EHS-WI-002	Initial	Every 3-Years	Wisconsin Lift Truck	Not Required	Not Required	Not Required	Not Required
OSHA: Powered Industrial Truck - Pallet Jack	OPS-EHS-WI-002	Initial	Every 3-Years	CEO/Operations	Not Required	Not Required	Not Required	Not Required
OSHA: Process Safety Management - General Awareness	OPS-EHS-WI-015	Initial	Every 3-Years	CEO/Operations	Required	Not Required	Not Required	Not Required
OSHA: Process Safety Management - Hazard Analysis	OPS-EHS-WI-015	Initial	Every 3-Years	CEO/Operations	Required	Not Required	Not Required	Not Required
OSHA: Process Safety Management - Information	OPS-EHS-WI-015	Initial	Every 3-Years	CEO/Operations	Required	Not Required	Not Required	Not Required
OSHA: Process Safety Management - Operator Responsibility	OPS-EHS-WI-015	Initial	Every 3-Years	CEO/Operations	Required	Not Required	Not Required	Not Required
OSHA: Respirator - Air-Purifying Fit Testing	OPS-EHS-WI-017	Initial	Annually	Concentra Medical	Required	Required	Required	Required
OSHA: Respirator - Air-Purifying Medical Release	OPS-EHS-WI-017	Initial	Expiration Date	Concentra Medical	Required	Required	Required	Required
OSHA: Respirator - Air-Purifying Training	OPS-EHS-WI-017	Initial	Every 2-Year	CEO/Operations	Required	Required	Required	Required
OSHA: Respirator - Dust Mask	OPS-EHS-WI-017	Initial	N/A	CEO/Operations	Required	Required	Required	Required
OSHA: Safety Orientation - Office	N/A	Initial	N/A	CEO/Operations	Not Required	Not Required	Not Required	Not Required
OSHA: Safety Orientation - Technical and Operations	N/A	Initial	N/A	CEO/Operations	Required	Required	Required	Required
OSHA: Static Electricity (Grounding and Bonding)	OPS-EHS-WI-005	Initial	N/A	CEO/Operations	Required	Required	Required	Required
OSHA: Visitor Safety	OPS-EHS-WI-025	Initial	N/A	CEO/Operations	Required	Required	Not Required	Not Required

Wisconsin Department of Natural Resources (WDNR) and EPA								
WDNR: RCRA Hazardous Waste - McCoy 5-Day Course	OPS-EHS-WI-018	Initial	N/A	McCoy	Required	Required	Not Required	Not Required
WDNR: Solid Waste - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: Solid Waste Function Specific - Bulking, Consolidation and Depack/Repack	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: Used Oil Management - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: Electronic Management - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: Universal Waste - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Hazardous Waste - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Generator Classes	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Waste Characterization and Determination (Profiling)	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required

TRAINING COURSES		TRAINING INFORMATION			TECHNICAL SERVICES			
	Associated Program	Initial Training	Retraining	Trainer/Responsibility	Technical Services Manager	Approval Specialist	Laboratory Chemist	Laboratory Technician
WDNR: RCRA Function Specific - Sampling, Analytical Testing and Interpretation	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Waste Analysis Plan	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Waste Handling Limitations	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Manifest, Recordkeeping and Reporting	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Land Ban	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Container Management (Handling and Storage)	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Bulking Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Consolidation Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Depack/Repack Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Aerosol Puncturing Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Fuel Blending Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Acid and Base Neutralization Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Chemical Segregation	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Ignitable, Reactive and Incompatibles	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Air Emissions	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Exclusions and Exemptions	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Preparedness, Prevention and Contingency Planning	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: RCRA Function Specific - Inspections	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Not Required	Not Required
WDNR: RCRA Function Specific - Transportation 10-Day Transfer Facility	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR - RCRA Function Specific - Waste Minimization and Pollution Prevention	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required
WDNR: Storm Water Management	OPS-EHS-WI-026	Initial	Annually	CEO/Operations	Required	Required	Required	Required
EPA: Spill Prevention, Control and Countermeasure	OPS-EHS-WI-016	Initial	Annually	CEO/Operations	Required	Required	Required	Required
Standard Operating Procedures (SOPs)								
Administrative - Human Resources - SOPs	ADM-HR-SOP-XXX	Initially	N/A	Department Manager	Required	Required	Required	Required
Administrative - Information Technology - SOPs	ADM-IT-SOP-XXX	Initially	N/A	Department Manager	Required	Required	Required	Required
Sales and Marketing - Sales - SOPs	SAM-SAL-SOP-XXX	Initially	N/A	Sales & Marketing Manager	Not Required	Not Required	Not Required	Not Required
Sales and Marketing - Marketing - SOPs	SAM-MKT-SOP-XXX	Initially	N/A	Sales & Marketing Manager	Not Required	Not Required	Not Required	Not Required
Sales and Marketing - Customer Service - SOPs	SAM-CST-SOP-XXX	Initially	N/A	Sales & Marketing Manager	Not Required	Not Required	Not Required	Not Required
Sales and Marketing - Finance - SOPs	SAM-FIN-SOP-XXX	Initially	N/A	Sales & Marketing Manager	Not Required	Not Required	Not Required	Not Required
Technical Services - Regulatory - SOPs	TSS-REG-SOP-XXX	Initially	N/A	Technical Services Manager	Required	Required	Required	Required
Technical Services - Approvals - SOPs	TSS-APP-SOP-XXX	Initially	N/A	Technical Services Manager	Required	Required	Required	Required
Technical Services - Laboratory - SOPs	TSS-LAB-SOP-XXX	Initially	N/A	Technical Services Manager	Required	Required	Required	Required
Operations - Scheduling - SOPs	OPS-SCH-SOP-XXX	Initially	N/A	Operations Manager	Not Required	Not Required	Not Required	Not Required
Operations - Receiving - SOPs	OPS-REC-SOP-XXX	Initially	N/A	Operations Manager	Not Required	Not Required	Not Required	Not Required
Operations - Solid Waste Management - SOPs	OPS-NH-SOP-XXX	Initially	N/A	Operations Manager	Not Required	Not Required	Not Required	Not Required
Operations - RCRA Hazardous Waste Management - SOPs	OPS-HAZ-SOP-XXX	Initially	N/A	Operations Manager	Not Required	Not Required	Not Required	Not Required
Operations - Used Oil Management - SOPs	OPS-OIL-SOP-XXX	Initially	N/A	Operations Manager	Not Required	Not Required	Not Required	Not Required
Operations - Universal Waste Small Quantity Handler Management - SOPs	OPS-UNV-SOP-XXX	Initially	N/A	Operations Manager	Not Required	Not Required	Not Required	Not Required
Operations - Solvent Continue Use Management - SOPs	OPS-SCU-SOP-XXX	Initially	N/A	Operations Manager	Not Required	Not Required	Not Required	Not Required
Operations - Transportation - SOPs	OPS-TRN-SOP-XXX	Initially	N/A	Operations Manager	Not Required	Not Required	Not Required	Not Required
Operations - Total Preventative Maintenance - SOPs	OPS-TPM-SOP-XXX	Initially	N/A	Operations Manager	Not Required	Not Required	Not Required	Not Required
Operations - Environmental, Health and Safety - SOPs	OPS-EHS-SOP-XXX	Initially	N/A	Operations Manager	Not Required	Not Required	Not Required	Not Required
On-The-Job (OTJ)								
Emergency Management - Evacuation Routes and Meeting Location	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required	Required	Required
Emergency Management - Alarm System Operation	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required	Required	Required

TRAINING COURSES		TRAINING INFORMATION			TECHNICAL SERVICES			
	Associated Program	Initial Training	Retraining	Trainer/Responsibility	Technical Services Manager	Approval Specialist	Laboratory Chemist	Laboratory Technician
Emergency Management - Location and Operations of Two-Way Walkie Talkies	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Not Required	Not Required	Not Required
Emergency Management - Spill Kit Locations and Items	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required	Required	Required
Emergency Management - Fire Extinguishers and Fire Hoses Location	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required	Required	Required
Emergency Management - Emergency Eyewash and Shower Location and Use	OPS-EHS-WI-010	Initially	N/A	Manager	Required	Required	Required	Required
Bloodborne Pathogens - Bloodborne Pathogen Clean-Up Kit Location	OPS-EHS-WI-007	Initially	N/A	Manager	Optional	Optional	Optional	Optional
Medical Management - First Aid Kit Location	OPS-EHS-WI-008	Initially	N/A	Manager	Required	Required	Required	Required
Incident Reporting and Investigation - Report Forms and Submittal	OPS-EHS-WI-004	Initially	N/A	Manager	Required	Required	Required	Required
Personal Protective Equipment - PPE Cabinet and Items	OPS-EHS-WI-001	Initially	N/A	Manager	Required	Required	Required	Required
Personal Protective Equipment - Safety Shoes Reimbursement	OPS-EHS-WI-001	Initially	N/A	Manager	Required	Required	Required	Required
Respiratory Protection - Issuance of Respirator, Cartridges and Storage Container	OPS-EHS-WI-017	Initially	N/A	Manager	Required	Required	Required	Required
Powered Industrial Trucks - Daily Inspection Sheets	OPS-EHS-WI-002	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Powered Industrial Trucks - Battery Water Addition	OPS-EHS-WI-002	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Powered Industrial Trucks - Proper Pallet Jack Usage	OPS-EHS-WI-002	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Powered Industrial Trucks - Charging	OPS-EHS-WI-002	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Powered Industrial Trucks - Drum Dumper Attachment Operation	OPS-EHS-WI-002	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Powered Industrial Trucks - 2 Drum Handler Attachment Operation	OPS-EHS-WI-002	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Hazardous Chemicals in Laboratory - Proper Chemical Storage	OPS-EHS-WI-009	Initially	N/A	Manager	Required	Required	Required	Required
Static Electricity - Grounding and Bonding Equipment and Usage	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required	Required	Required
Secondary Containment - Sampling of Rainwater and Documentation	OPS-EHS-WI-016	Initially	N/A	Manager	Required	Required	Required	Required
Secondary Containment - Manhole Valves Close/Open Operation	OPS-EHS-WI-016	Initially	N/A	Manager	Required	Required	Required	Required
Bulk Tanker - Proper Hose Hook-Up, Connections, Fittings	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Bulk Tanker - Loading and Unloading Procedures	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Bulk Tanker - Loading and Unloading Inspection	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Bulk Tanker - Use of Strainer	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Bulk Tanker - Wheels Chocked	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Bulk Tanker - Placarding	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Bulk Tanker - Vacuum Operation	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Straight Trucks and Semi-Trailer - Loading and Unloading Procedures	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Straight Trucks and Semi-Trailers - Placarding	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Straight Trucks and Semi-Trailer - Wheels Chocked	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Straight Trucks and Semi-Trailers - Loading Dock Operation	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Proper Container Labeling - Internal Bar Code Label	TBD	Initially	N/A	Manager	Required	Required	Required	Required
Storage - Segregation of Waste and Use of Containment Pallets	TBD	Initially	N/A	Manager	Required	Required	Required	Required
Storage - Leaking Container Overpack Container Use	TBD	Initially	N/A	Manager	Required	Required	Required	Required
Storage - Handling Container Under Pressure	TBD	Initially	N/A	Manager	Required	Required	Required	Required
AGST - Pumping from RM 126 into Tanks	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
AGST - Pumping from RM 126 into Tanker Vehicle	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
AGST - Pumping from Tanks to a Tanker Vehicle	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
AGST - Pumping from Tanker Vehicle to a Tank	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
RM 125 and RM 126 - No Cell Phones	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
RM 125 and RM 126 - Use of Non-Sparking Tools Only	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
RM 125 and RM 126 - No Portable Electrical Equipment (Fans, Tools, Etc.) Allowed	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Equipment - Drum Cart Usage	N/A	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Equipment - Floor Scrubber Proper Operation	N/A	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Equipment - Pressure Washer Proper Operation	N/A	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required
Building - Security System On/Off	N/A	Initially	N/A	Manager	Required	Required	Required	Required
Building - Badge Card Access	N/A	Initially	N/A	Manager	Required	Required	Required	Required

TRAINING COURSES		TRAINING INFORMATION			TECHNICAL SERVICES			
	Associated Program	Initial Training	Retraining	Trainer/Responsibility	Technical Services Manager	Approval Specialist	Laboratory Chemist	Laboratory Technician
Building - Housekeeping	N/A	Initially	N/A	Manager	Required	Required	Required	Required
Building - No Smoking on the Property	N/A	Initially	N/A	Manager	Required	Required	Required	Required
Waste Generation - Empty Container Recycling Trailer	TBD	Initially	N/A	Manager	Required	Required	Required	Required
Waste Generation - Satellite Accumulation Containers	WI-EHS-018	Initially	N/A	Manager	Required	Required	Required	Required



Enviro-Safe Resource Recovery - Germantown
Training Matrix Last Updated: 6/23/2022

TRAINING COURSES		TRAINING INFORMATION			OPERATIONS				
	Associated Program	Initial Training	Retraining	Trainer/Responsibility	Operation Manager	Operator Receiving	Operator Solid Waste	Operator Hazardous Waste	Operator Lab Packer
DEPARTMENT OF TRANSPORTATION (DOT)									
DOT: Driver - DMV Certification of Licenses	OPS-EHS-WI-014	Initial	Expiration Date	CEO/Operations	Not Required	Not Required	Not Required	Not Required	Not Required
DOT: Driver - DMV Background Check	OPS-EHS-WI-014	Initial	Annually	CEO/Operations	Not Required	Not Required	Not Required	Not Required	Not Required
DOT: Driver - FMSCA Clearinghouse Check	OPS-EHS-WI-014	Initial	Annually	CEO/Operations	Not Required	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Medical Exam and Certification	OPS-EHS-WI-014	Initial	Expiration Date	CEO/Operations	Not Required	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Alcohol and Drug Testing	OPS-EHS-WI-014	Initial	N/A	CEO/Operations	Not Required	Not Required	Not Required	Not Required	Not Required
DOT: Supervisor - Alcohol and Drug Testing	OPS-EHS-WI-014	Initial	N/A	CEO/Operations	Required	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Accident Procedures (43861)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Entry Level Operator (43001)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Hours of Service Basis (61324)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Injury Prevention for CMV Drivers (48454)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Injury Prevention Around Tankers (49838)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Manage Speed and Space (55757)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Straight Truck Operation (51254)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Tank Truck Operation (24456 & 24455)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required	Not Required
DOT: Driver - Vehicle Inspection Tractor Trailer (51916)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Not Required	Not Required	Not Required	Not Required
DOT: HM General Awareness and Familiarization	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required	Required
DOT: HM Function Specific - Hazard Classification Table	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required	Required
DOT: HM Function Specific - Packaging	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required	Required
DOT: HM Function Specific - Marking and Labeling	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required	Required
DOT: HM Function Specific - Placarding	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required	Required
DOT: HM Function Specific - Shipping Papers	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required	Required
DOT: HM Function Specific - Loading/Unloading (Non-Bulk)	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required	Required
DOT: HM Function Specific - Loading/Unloading (Bulk)	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required	Required
DOT: HM Function Specific - Chemical Segregation	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required	Required
DOT: HM Function Specific - Safety Training (51916)	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required	Required
DOT: HM Function Specific - Special Permits	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required	Required
DOT: HM Function Specific - ERG Book	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required	Required
DOT: HM Function Specific - Incident Reporting	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required	Required	Required	Required
DOT: HM Function Specific - Material-of-Trade	OPS-EHS-WI-003	Initial	Every 3-Years	CEO/Operations	Not Required	Not Required	Not Required	Not Required	Not Required
DOT: HM Security Awareness	OPS-EHS-WI-003	Initial	Every 3-Years	CEO/Operations	Required	Required	Required	Required	Required
DOT: HM Security In-Depth	OPS-EHS-WI-003	Initial	Every 3-Years	CEO/Operations	Required	Not Required	Not Required	Not Required	Not Required
FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA)									
FEMA: Active Shooter (IS-00907)	N/A	Initial	N/A	FEMA (Online)	Required	Required	Required	Required	Required
FEMA: Basic Workplace Security Awareness (IS-00906)	N/A	Initial	N/A	FEMA (Online)	Required	Required	Required	Required	Required
FEMA: Theft and Diversion (IS-00916)	N/A	Initial	N/A	FEMA (Online)	Required	Required	Required	Required	Required
OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION (OSHA)									
OSHA: 10-Hour General Industry	N/A	Initial	N/A	Various	Required	Not Required	Not Required	Not Required	Not Required
OSHA: Bloodborne Pathogen - Training	OPS-EHS-WI-007	Initial	Annually	CEO/Operations	Required	Optional	Optional	Optional	Optional
OSHA: Bloodborne Pathogen - HBV Vaccination	OPS-EHS-WI-007	Initial	N/A	CEO/Operations	Optional	Optional	Optional	Optional	Optional
OSHA: Confined Spaces - General Awareness	OPS-EHS-WI-012	Initial	N/A	CEO/Operations	Required	Required	Required	Required	Required
OSHA: Control of Hazardous Energy - Affected	OPS-EHS-WI-009	Initial	N/A	CEO/Operations	Required	Required	Required	Required	Required
OSHA: Compressed Gas Safety	OPS-EHS-WI-020	Initial	N/A	CEO/Operations	Required	Required	Required	Required	Required
OSHA: Contractor Safety	OPS-EHS-WI-021	Initial	N/A	CEO/Operations	Required	Not Required	Not Required	Not Required	Not Required

TRAINING COURSES		TRAINING INFORMATION			OPERATIONS				
	Associated Program	Initial Training	Retraining	Trainer/Responsibility	Operation Manager	Operator Receiving	Operator Solid Waste	Operator Hazardous Waste	Operator Lab Packer
OSHA: Electrical Safety Related Work Practices	OPS-EHS-WI-021	Initial	N/A	CEO/Operations	Required	Required	Required	Required	Required
OSHA: Emergency Management Plan	OPS-EHS-WI-005	Initial	Annually	CEO/Operations	Required	Required	Required	Required	Required
OSHA: Emergency Management Plan - Critical Roles, Operations and Shut-Down	OPS-EHS-WI-005	Initial	Annually	CEO/Operations	Required	Not Required	Not Required	Not Required	Not Required
OSHA: Employee Access to Medical Records	OPS-EHS-WI-013	Initial	N/A	CEO/Operations	Required	Required	Required	Required	Required
OSHA: Fire Prevention	OPS-EHS-WI-005	Initial	N/A	CEO/Operations	Required	Required	Required	Required	Required
OSHA: Fire Extinguisher	OPS-EHS-WI-005	Initial	Annually	CEO/Operations	Required	Required	Required	Required	Required
OSHA: First Aid and CPR	OPS-EHS-WI-008	Initial	Every 2-Years	Safety Matters	Required	Optional	Optional	Optional	Optional
OSHA: Flammable and Combustible Liquids	OPS-EHS-WI-005	Initial	N/A	CEO/Operations	Required	Required	Required	Required	Required
OSHA: Hazard Chemicals in Laboratory	OPS-EHS-WI-006	Initial	N/A	CEO/Operations	Required	Required	Required	Required	Required
OSHA: Hazard Communication	OPS-EHS-WI-010	Initial	N/A	CEO/Operations	Required	Required	Required	Required	Required
OSHA: Hazwoper First Responder (Spill)	OPS-EHS-WI-005	Initial	Annually	CEO/Operations	Required	Required	Required	Required	Required
OSHA: Hazwoper 40-Hour	OPS-EHS-WI-005	Initial	N/A	Lindenberg Compliance	Required	Required	Required	Required	Required
OSHA: Hazwoper 24-Hour	OPS-EHS-WI-005	Initial	Annually	Lindenberg Compliance	Not Required	Not Required	Not Required	Not Required	Not Required
OSHA: Hazwoper 8-Hour	OPS-EHS-WI-005	N/A	Annually	Lindenberg Compliance	Required	Required	Required	Required	Required
OSHA: Hot Work - General Awareness	OPS-EHS-WI-019	Initial	N/A	CEO/Operations	Required	Required	Required	Required	Required
OSHA: Incident Reporting and Investigation	OPS-EHS-WI-004	Initial	N/A	CEO/Operations	Required	Required	Required	Required	Required
OSHA: Ladder Safety	OPS-EHS-WI-023	Initial	N/A	CEO/Operations	Required	Required	Required	Required	Required
OSHA: Personal Protective Equipment	OPS-EHS-WI-001	Initial	N/A	CEO/Operations	Required	Required	Required	Required	Required
OSHA: Powered Industrial Truck - Forklift	OPS-EHS-WI-002	Initial	Every 3-Years	Wisconsin Lift Truck	Required	Required	Required	Required	Required
OSHA: Powered Industrial Truck - Pallet Jack	OPS-EHS-WI-002	Initial	Every 3-Years	CEO/Operations	Required	Required	Required	Required	Required
OSHA: Process Safety Management - General Awareness	OPS-EHS-WI-015	Initial	Every 3-Years	CEO/Operations	Required	Required	Required	Required	Required
OSHA: Process Safety Management - Hazard Analysis	OPS-EHS-WI-015	Initial	Every 3-Years	CEO/Operations	Required	Required	Required	Required	Required
OSHA: Process Safety Management - Information	OPS-EHS-WI-015	Initial	Every 3-Years	CEO/Operations	Required	Required	Required	Required	Required
OSHA: Process Safety Management - Operator Responsibility	OPS-EHS-WI-015	Initial	Every 3-Years	CEO/Operations	Required	Required	Required	Required	Required
OSHA: Respirator - Air-Purifying Fit Testing	OPS-EHS-WI-017	Initial	Annually	Concentra Medical	Optional	Required	Required	Required	Required
OSHA: Respirator - Air-Purifying Medical Release	OPS-EHS-WI-017	Initial	Expiration Date	Concentra Medical	Optional	Required	Required	Required	Required
OSHA: Respirator - Air-Purifying Training	OPS-EHS-WI-017	Initial	Every 2-Year	CEO/Operations	Optional	Required	Required	Required	Required
OSHA: Respirator - Dust Mask	OPS-EHS-WI-017	Initial	N/A	CEO/Operations	Optional	Required	Required	Required	Required
OSHA: Safety Orientation - Office	N/A	Initial	N/A	CEO/Operations	Not Required	Not Required	Not Required	Not Required	Not Required
OSHA: Safety Orientation - Technical and Operations	N/A	Initial	N/A	CEO/Operations	Required	Required	Required	Required	Required
OSHA: Static Electricity (Grounding and Bonding)	OPS-EHS-WI-005	Initial	N/A	CEO/Operations	Required	Required	Required	Required	Required
OSHA: Visitor Safety	OPS-EHS-WI-025	Initial	N/A	CEO/Operations	Required	Not Required	Not Required	Not Required	Not Required

Wisconsin Department of Natural Resources (WDNR) and EPA									
WDNR: RCRA Hazardous Waste - McCoy 5-Day Course	OPS-EHS-WI-018	Initial	N/A	McCoy	Required	Not Required	Not Required	Not Required	Not Required
WDNR: Solid Waste - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: Solid Waste Function Specific - Bulking, Consolidation and Depack/Repack	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: Used Oil Management - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: Electronic Management - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: Universal Waste - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: RCRA Hazardous Waste - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: RCRA Function Specific - Generator Classes	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: RCRA Function Specific - Waste Characterization and Determination (Profiling)	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: RCRA Function Specific - Sampling, Analytical Testing and Interpretation	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: RCRA Function Specific - Waste Analysis Plan	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: RCRA Function Specific - Waste Handling Limitations	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: RCRA Function Specific - Manifest, Recordkeeping and Reporting	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: RCRA Function Specific - Land Ban	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: RCRA Function Specific - Container Management (Handling and Storage)	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: RCRA Function Specific - Bulking Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: RCRA Function Specific - Consolidation Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required

TRAINING COURSES		TRAINING INFORMATION			OPERATIONS				
	Associated Program	Initial Training	Retraining	Trainer/Responsibility	Operation Manager	Operator Receiving	Operator Solid Waste	Operator Hazardous Waste	Operator Lab Packer
WDNR: RCRA Function Specific - Depack/Repack Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: RCRA Function Specific - Aerosol Puncturing Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: RCRA Function Specific - Fuel Blending Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: RCRA Function Specific - Acid and Base Neutralization Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: RCRA Function Specific - Chemical Segregation	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: RCRA Function Specific - Ignitable, Reactive and Incompatibles	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: RCRA Function Specific - Air Emissions	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: RCRA Function Specific - Exclusions and Exemptions	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: RCRA Function Specific - Preparedness, Prevention and Contingency Planning	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: RCRA Function Specific - Inspections	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Not Required	Not Required	Not Required	Not Required
WDNR: RCRA Function Specific - Transportation 10-Day Transfer Facility	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR - RCRA Function Specific - Waste Minimization and Pollution Prevention	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required	Required	Required	Required
WDNR: Storm Water Management	OPS-EHS-WI-026	Initial	Annually	CEO/Operations	Required	Required	Required	Required	Required
EPA: Spill Prevention, Control and Countermeasure	OPS-EHS-WI-016	Initial	Annually	CEO/Operations	Required	Required	Required	Required	Required

Standard Operating Procedures (SOPs)									
Administrative - Human Resources - SOPs	ADM-HR-SOP-XXX	Initially	N/A	Department Manager	Required	Required	Required	Required	Required
Administrative - Information Technology - SOPs	ADM-IT-SOP-XXX	Initially	N/A	Department Manager	Required	Required	Required	Required	Required
Sales and Marketing - Sales - SOPs	SAM-SAL-SOP-XXX	Initially	N/A	Sales & Marketing Manager	Not Required	Not Required	Not Required	Not Required	Not Required
Sales and Marketing - Marketing - SOPs	SAM-MKT-SOP-XXX	Initially	N/A	Sales & Marketing Manager	Not Required	Not Required	Not Required	Not Required	Not Required
Sales and Marketing - Customer Service - SOPs	SAM-CST-SOP-XXX	Initially	N/A	Sales & Marketing Manager	Not Required	Not Required	Not Required	Not Required	Not Required
Sales and Marketing - Finance - SOPs	SAM-FIN-SOP-XXX	Initially	N/A	Sales & Marketing Manager	Not Required	Not Required	Not Required	Not Required	Not Required
Technical Services - Regulatory - SOPs	TSS-REG-SOP-XXX	Initially	N/A	Technical Services Manager	Not Required	Not Required	Not Required	Not Required	Not Required
Technical Services - Approvals - SOPs	TSS-APP-SOP-XXX	Initially	N/A	Technical Services Manager	Not Required	Not Required	Not Required	Not Required	Not Required
Technical Services - Laboratory - SOPs	TSS-LAB-SOP-XXX	Initially	N/A	Technical Services Manager	Not Required	Not Required	Not Required	Not Required	Not Required
Operations - Scheduling - SOPs	OPS-SCH-SOP-XXX	Initially	N/A	Operations Manager	Required	Required	Required	Required	Required
Operations - Receiving - SOPs	OPS-REC-SOP-XXX	Initially	N/A	Operations Manager	Required	Required	Required	Required	Required
Operations - Solid Waste Management - SOPs	OPS-NH-SOP-XXX	Initially	N/A	Operations Manager	Required	Required	Required	Required	Required
Operations - RCRA Hazardous Waste Management - SOPs	OPS-HAZ-SOP-XXX	Initially	N/A	Operations Manager	Required	Required	Required	Required	Required
Operations - Used Oil Management - SOPs	OPS-OIL-SOP-XXX	Initially	N/A	Operations Manager	Required	Required	Required	Required	Required
Operations - Universal Waste Small Quantity Handler Management - SOPs	OPS-UNV-SOP-XXX	Initially	N/A	Operations Manager	Required	Required	Required	Required	Required
Operations - Solvent Continue Use Management - SOPs	OPS-SCU-SOP-XXX	Initially	N/A	Operations Manager	Required	Required	Required	Required	Required
Operations - Transportation - SOPs	OPS-TRN-SOP-XXX	Initially	N/A	Operations Manager	Required	Required	Required	Required	Required
Operations - Total Preventative Maintenance - SOPs	OPS-TPM-SOP-XXX	Initially	N/A	Operations Manager	Required	Required	Required	Required	Required
Operations - Environmental, Health and Safety - SOPs	OPS-EHS-SOP-XXX	Initially	N/A	Operations Manager	Required	Required	Required	Required	Required

On-The-Job (OTJ)									
Emergency Management - Evacuation Routes and Meeting Location	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required	Required	Required	Required
Emergency Management - Alarm System Operation	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required	Required	Required	Required
Emergency Management - Location and Operations of Two-Way Walkie Talkies	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required	Required	Required	Required
Emergency Management - Spill Kit Locations and Items	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required	Required	Required	Required
Emergency Management - Fire Extinguishers and Fire Hoses Location	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required	Required	Required	Required
Emergency Management - Emergency Eyewash and Shower Location and Use	OPS-EHS-WI-010	Initially	N/A	Manager	Required	Required	Required	Required	Required
Bloodborne Pathogens - Bloodborne Pathogen Clean-Up Kit Location	OPS-EHS-WI-007	Initially	N/A	Manager	Required	Optional	Optional	Optional	Optional
Medical Management - First Aid Kit Location	OPS-EHS-WI-008	Initially	N/A	Manager	Required	Required	Required	Required	Required
Incident Reporting and Investigation - Report Forms and Submittal	OPS-EHS-WI-004	Initially	N/A	Manager	Required	Required	Required	Required	Required
Personal Protective Equipment - PPE Cabinet and Items	OPS-EHS-WI-001	Initially	N/A	Manager	Required	Required	Required	Required	Required
Personal Protective Equipment - Safety Shoes Reimbursement	OPS-EHS-WI-001	Initially	N/A	Manager	Required	Required	Required	Required	Required
Respiratory Protection - Issuance of Respirator, Cartridges and Storage Container	OPS-EHS-WI-017	Initially	N/A	Manager	Not Required	Required	Required	Required	Required
Powered Industrial Trucks - Daily Inspection Sheets	OPS-EHS-WI-002	Initially	N/A	Manager	Required	Required	Required	Required	Required
Powered Industrial Trucks - Battery Water Addition	OPS-EHS-WI-002	Initially	N/A	Manager	Not Required	Required	Required	Required	Required

TRAINING COURSES		TRAINING INFORMATION			OPERATIONS				
	Associated Program	Initial Training	Retraining	Trainer/Responsibility	Operation Manager	Operator Receiving	Operator Solid Waste	Operator Hazardous Waste	Operator Lab Packer
Powered Industrial Trucks - Proper Pallet Jack Usage	OPS-EHS-WI-002	Initially	N/A	Manager	Not Required	Required	Required	Required	Required
Powered Industrial Trucks - Charging	OPS-EHS-WI-002	Initially	N/A	Manager	Not Required	Required	Required	Required	Required
Powered Industrial Trucks - Drum Dumper Attachment Operation	OPS-EHS-WI-002	Initially	N/A	Manager	Not Required	Required	Required	Required	Required
Powered Industrial Trucks - 2 Drum Handler Attachment Operation	OPS-EHS-WI-002	Initially	N/A	Manager	Not Required	Required	Required	Required	Required
Hazardous Chemicals in Laboratory - Proper Chemical Storage	OPS-EHS-WI-009	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required	Not Required
Static Electricity - Grounding and Bonding Equipment and Usage	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required	Required	Required	Required
Secondary Containment - Sampling of Rainwater and Documentation	OPS-EHS-WI-016	Initially	N/A	Manager	Required	Required	Required	Required	Required
Secondary Containment - Manhole Valves Close/Open Operation	OPS-EHS-WI-016	Initially	N/A	Manager	Required	Required	Required	Required	Required
Bulk Tanker - Proper Hose Hook-Up, Connections, Fittings	TBD	Initially	N/A	Manager	Required	Required	Required	Required	Required
Bulk Tanker - Loading and Unloading Procedures	TBD	Initially	N/A	Manager	Required	Required	Required	Required	Required
Bulk Tanker - Loading and Unloading Inspection	TBD	Initially	N/A	Manager	Required	Required	Required	Required	Required
Bulk Tanker - Use of Strainer	TBD	Initially	N/A	Manager	Required	Required	Required	Required	Required
Bulk Tanker - Wheels Chocked	TBD	Initially	N/A	Manager	Required	Required	Required	Required	Required
Bulk Tanker - Placarding	TBD	Initially	N/A	Manager	Required	Required	Required	Required	Required
Bulk Tanker - Vacuum Operation	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required	Not Required
Straight Trucks and Semi-Trailer - Loading and Unloading Procedures	TBD	Initially	N/A	Manager	Required	Required	Required	Required	Required
Straight Trucks and Semi-Trailers - Placarding	TBD	Initially	N/A	Manager	Required	Required	Required	Required	Required
Straight Trucks and Semi-Trailer - Wheels Chocked	TBD	Initially	N/A	Manager	Required	Required	Required	Required	Required
Straight Trucks and Semi-Trailers - Loading Dock Operation	TBD	Initially	N/A	Manager	Required	Required	Required	Required	Required
Proper Container Labeling - Internal Bar Code Label	TBD	Initially	N/A	Manager	Required	Required	Required	Required	Required
Storage - Segregation of Waste and Use of Containment Pallets	TBD	Initially	N/A	Manager	Required	Required	Required	Required	Required
Storage - Leaking Container Overpack Container Use	TBD	Initially	N/A	Manager	Required	Required	Required	Required	Required
Storage - Handling Container Under Pressure	TBD	Initially	N/A	Manager	Required	Required	Required	Required	Required
AGST - Pumping from RM 126 into Tanks	TBD	Initially	N/A	Manager	Required	Required	Required	Required	Required
AGST - Pumping from RM 126 into Tanker Vehicle	TBD	Initially	N/A	Manager	Not Required	Not Required	Not Required	Not Required	Not Required
AGST - Pumping from Tanks to a Tanker Vehicle	TBD	Initially	N/A	Manager	Required	Required	Required	Required	Required
AGST - Pumping from Tanker Vehicle to a Tank	TBD	Initially	N/A	Manager	Required	Required	Required	Required	Required
RM 125 and RM 126 - No Cell Phones	TBD	Initially	N/A	Manager	Required	Required	Required	Required	Required
RM 125 and RM 126 - Use of Non-Sparking Tools Only	TBD	Initially	N/A	Manager	Required	Required	Required	Required	Required
RM 125 and RM 126 - No Portable Electrical Equipment (Fans, Tools, Etc.) Allowed	TBD	Initially	N/A	Manager	Required	Required	Required	Required	Required
Equipment - Drum Cart Usage	N/A	Initially	N/A	Manager	Required	Required	Required	Required	Required
Equipment - Floor Scrubber Proper Operation	N/A	Initially	N/A	Manager	Required	Required	Required	Required	Required
Equipment - Pressure Washer Proper Operation	N/A	Initially	N/A	Manager	Required	Required	Required	Required	Required
Building - Security System On/Off	N/A	Initially	N/A	Manager	Required	Required	Required	Required	Required
Building - Badge Card Access	N/A	Initially	N/A	Manager	Required	Required	Required	Required	Required
Building - Housekeeping	N/A	Initially	N/A	Manager	Required	Required	Required	Required	Required
Building - No Smoking on the Property	N/A	Initially	N/A	Manager	Required	Required	Required	Required	Required
Waste Generation - Empty Container Recycling Trailer	TBD	Initially	N/A	Manager	Required	Required	Required	Required	Required
Waste Generation - Satellite Accumulation Containers	WI-EHS-018	Initially	N/A	Manager	Required	Required	Required	Required	Required



Enviro-Safe Resource Recovery - Germantown

Training Matrix

Last Updated: 6/23/2022

TRAINING COURSES		TRAINING INFORMATION			TRANSPORTATION	
	Associated Program	Initial Training	Retraining	Trainer/Responsibility	Coordinator	Drivers
DEPARTMENT OF TRANSPORTATION (DOT)						
DOT: Driver - DMV Certification of Licenses	OPS-EHS-WI-014	Initial	Expiration Date	CEO/Operations	Not Required	Required
DOT: Driver - DMV Background Check	OPS-EHS-WI-014	Initial	Annually	CEO/Operations	Not Required	Required
DOT: Driver - FMSCA Clearinghouse Check	OPS-EHS-WI-014	Initial	Annually	CEO/Operations	Not Required	Required
DOT: Driver - Medical Exam and Certification	OPS-EHS-WI-014	Initial	Expiration Date	CEO/Operations	Not Required	Required
DOT: Driver - Alcohol and Drug Testing	OPS-EHS-WI-014	Initial	N/A	CEO/Operations	Not Required	Required
DOT: Supervisor - Alcohol and Drug Testing	OPS-EHS-WI-014	Initial	N/A	CEO/Operations	Required	Required
DOT: Driver - Accident Procedures (43861)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Required
DOT: Driver - Entry Level Operator (43001)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Required
DOT: Driver - Hours of Service Bacis (61324)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Required
DOT: Driver - Injury Prevention for CMV Drivers (48454)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Required
DOT: Driver - Injury Prevention Around Tankers (49838)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Required
DOT: Driver - Manage Speed and Space (55757)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Required
DOT: Driver - Straight Truck Operation (51254)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Required
DOT: Driver - Tank Truck Operation (24456 & 24455)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Required
DOT: Driver - Vehicle Inspection Tractor Trailer (51916)	OPS-EHS-WI-014	Initial	N/A	J.J. Keller (Online)	Not Required	Required
DOT: HM General Awareness and Familiarization	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required
DOT: HM Function Specific - Hazard Classification Table	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required
DOT: HM Function Specific - Packaging	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required
DOT: HM Function Specific - Marking and Labeling	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required
DOT: HM Function Specific - Placarding	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required
DOT: HM Function Specific - Shipping Papers	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required
DOT: HM Function Specific - Loading/Unloading (Non-Bulk)	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required
DOT: HM Function Specific - Loading/Unloading (Bulk)	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required
DOT: HM Function Specific - Chemical Segregation	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required
DOT: HM Function Specific - Safety Training (51916)	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required
DOT: HM Function Specific - Special Permits	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required
DOT: HM Function Specific - ERG Book	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required
DOT: HM Function Specific - Incident Reporting	OPS-EHS-WI-003	Initial	Every 3-Years	Technical Service Manager	Required	Required
DOT: HM Function Specific - Material-of-Trade	OPS-EHS-WI-003	Initial	Every 3-Years	CEO/Operations	Not Required	Not Required
DOT: HM Security Awareness	OPS-EHS-WI-003	Initial	Every 3-Years	CEO/Operations	Required	Required
DOT: HM Security In-Depth	OPS-EHS-WI-003	Initial	Every 3-Years	CEO/Operations	Not Required	Not Required
FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA)						
FEMA: Active Shooter (IS-00907)	N/A	Initial	N/A	FEMA (Online)	Required	Required

TRAINING COURSES		TRAINING INFORMATION				
	Associated Program	Initial Training	Retraining	Trainer/Responsibility	Transportation Coordinator	Transportation Drivers
FEMA: Basic Workplace Security Awareness (IS-00906)	N/A	Initial	N/A	FEMA (Online)	Required	Required
FEMA: Theft and Diversion (IS-00916)	N/A	Initial	N/A	FEMA (Online)	Required	Required
OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION (OSHA)						
OSHA: 10-Hour General Industry	N/A	Initial	N/A	Various	Not Required	Not Required
OSHA: Bloodborne Pathogen - Training	OPS-EHS-WI-007	Initial	Annually	CEO/Operations	Required	Optional
OSHA: Bloodborne Pathogen - HBV Vaccination	OPS-EHS-WI-007	Initial	N/A	CEO/Operations	Optional	Optional
OSHA: Confined Spaces - General Awareness	OPS-EHS-WI-012	Initial	N/A	CEO/Operations	Required	Required
OSHA: Control of Hazardous Energy - Affected	OPS-EHS-WI-009	Initial	N/A	CEO/Operations	Required	Required
OSHA: Compressed Gas Safety	OPS-EHS-WI-020	Initial	N/A	CEO/Operations	Required	Required
OSHA: Contractor Safety	OPS-EHS-WI-021	Initial	N/A	CEO/Operations	Required	Not Required
OSHA: Electrical Safety Related Work Practices	OPS-EHS-WI-021	Initial	N/A	CEO/Operations	Required	Required
OSHA: Emergency Management Plan	OPS-EHS-WI-005	Initial	Annually	CEO/Operations	Require	Required
OSHA: Emergency Management Plan - Critical Roles, Operations and Shut-Down	OPS-EHS-WI-005	Initial	Annually	CEO/Operations	Not Required	Not Required
OSHA: Employee Access to Medical Records	OPS-EHS-WI-013	Initial	N/A	CEO/Operations	Required	Required
OSHA: Fire Prevention	OPS-EHS-WI-005	Initial	N/A	CEO/Operations	Require	Required
OSHA: Fire Extinguisher	OPS-EHS-WI-005	Initial	Annually	CEO/Operations	Require	Required
OSHA: First Aid and CPR	OPS-EHS-WI-008	Initial	Every 2-Years	Safety Matters	Required	Optional
OSHA: Flammable and Combustible Liquids	OPS-EHS-WI-005	Initial	N/A	CEO/Operations	Required	Required
OSHA: Hazard Chemicals in Laboratory	OPS-EHS-WI-006	Initial	N/A	CEO/Operations	Not Required	Not Required
OSHA: Hazard Communication	OPS-EHS-WI-010	Initial	N/A	CEO/Operations	Required	Required
OSHA: Hazwoper First Responder (Spill)	OPS-EHS-WI-005	Initial	Annually	CEO/Operations	Require	Required
OSHA: Hazwoper 40-Hour	OPS-EHS-WI-005	Initial	N/A	Lindenberg Compliance	Require	Required
OSHA: Hazwoper 24-Hour	OPS-EHS-WI-005	Initial	Annually	Lindenberg Compliance	Not Required	Not Required
OSHA: Hazwoper 8-Hour	OPS-EHS-WI-005	N/A	Annually	Lindenberg Compliance	Require	Required
OSHA: Hot Work - General Awareness	OPS-EHS-WI-019	Initial	N/A	CEO/Operations	Required	Required
OSHA: Incident Reporting and Investigation	OPS-EHS-WI-004	Initial	N/A	CEO/Operations	Required	Required
OSHA: Ladder Safety	OPS-EHS-WI-023	Initial	N/A	CEO/Operations	Required	Required
OSHA: Personal Protective Equipment	OPS-EHS-WI-001	Initial	N/A	CEO/Operations	Required	Required
OSHA: Powered Industrial Truck - Forklift	OPS-EHS-WI-002	Initial	Every 3-Years	Wisconsin Lift Truck	Required	Required
OSHA: Powered Industrial Truck - Pallet Jack	OPS-EHS-WI-002	Initial	Every 3-Years	CEO/Operations	Required	Required
OSHA: Process Safety Management - General Awareness	OPS-EHS-WI-015	Initial	Every 3-Years	CEO/Operations	Required	Required
OSHA: Process Safety Management - Hazard Analysis	OPS-EHS-WI-015	Initial	Every 3-Years	CEO/Operations	Required	Not Required
OSHA: Process Safety Management - Information	OPS-EHS-WI-015	Initial	Every 3-Years	CEO/Operations	Required	Not Required
OSHA: Process Safety Management - Operator Responsibility	OPS-EHS-WI-015	Initial	Every 3-Years	CEO/Operations	Required	Required
OSHA: Respirator - Air-Purifying Fit Testing	OPS-EHS-WI-017	Initial	Annually	Concentra Medical	Not Required	Not Required
OSHA: Respirator - Air-Purifying Medical Release	OPS-EHS-WI-017	Initial	Expiration Date	Concentra Medical	Not Required	Not Required
OSHA: Respirator - Air-Purifying Training	OPS-EHS-WI-017	Initial	Every 2-Year	CEO/Operations	Not Required	Not Required
OSHA: Respirator - Dust Mask	OPS-EHS-WI-017	Initial	N/A	CEO/Operations	Not Required	Not Required
OSHA: Safety Orientation - Office	N/A	Initial	N/A	CEO/Operations	Not Required	Not Required

TRAINING COURSES		TRAINING INFORMATION				
	Associated Program	Initial Training	Retraining	Trainer/Responsibility	Transportation Coordinator	Transportation Drivers
OSHA: Safety Orientation - Technical and Operations	N/A	Initial	N/A	CEO/Operations	Required	Required
OSHA: Static Electricity (Grounding and Bonding)	OPS-EHS-WI-005	Initial	N/A	CEO/Operations	Required	Required
OSHA: Visitor Safety	OPS-EHS-WI-025	Initial	N/A	CEO/Operations	Required	Not Required
Wisconsin Department of Natural Resources (WDNR) and EPA						
WDNR: RCRA Hazardous Waste - McCoy 5-Day Course	OPS-EHS-WI-018	Initial	N/A	McCoy	Required	Not Required
WDNR: Solid Waste - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: Solid Waste Function Specific - Bulking, Consolidation and Depack/Repack	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Not Required	Not Required
WDNR: Used Oil Management - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: Electronic Management - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: Universal Waste - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Hazardous Waste - General Awareness and Familiarization	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Generator Classes	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Waste Characterization and Determination (Profiling)	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Sampling, Analytical Testing and Interpretation	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Not Required	Not Required
WDNR: RCRA Function Specific - Waste Analysis Plan	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Not Required
WDNR: RCRA Function Specific - Waste Handling Limitations	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Manifest, Recordkeeping and Reporting	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Land Ban	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Container Management (Handling and Storage)	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Bulking Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Consolidation Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Depack/Repack Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Aerosol Puncturing Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Fuel Blending Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Acid and Base Neutralization Activities	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Chemical Segregation	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Ignitable, Reactive and Incompatibles	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Air Emissions	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Not Required
WDNR: RCRA Function Specific - Exclusions and Exemptions	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Preparedness, Prevention and Contingency Planning	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: RCRA Function Specific - Inspections	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Not Required
WDNR: RCRA Function Specific - Transportation 10-Day Transfer Facility	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR - RCRA Function Specific - Waste Minimization and Pollution Prevention	OPS-EHS-WI-018	Initial	Annually	Technical Approval Manager	Required	Required
WDNR: Storm Water Management	OPS-EHS-WI-026	Initial	Annually	CEO/Operations	Required	Required
EPA: Spill Prevention, Control and Countermeasure	OPS-EHS-WI-016	Initial	Annually	CEO/Operations	Required	Required
Standard Operating Procedures (SOPs)						
Administrative - Human Resources - SOPs	ADM-HR-SOP-XXX	Initially	N/A	Department Manager	Required	Required
Administrative - Information Technology - SOPs	ADM-IT-SOP-XXX	Initially	N/A	Department Manager	Required	Required

TRAINING COURSES		TRAINING INFORMATION				
	Associated Program	Initial Training	Retraining	Trainer/Responsibility	Transportation Coordinator	Transportation Drivers
Sales and Marketing - Sales - SOPs	SAM-SAL-SOP-XXX	Initially	N/A	Sales & Marketing Manager	Not Required	Not Required
Sales and Marketing - Marketing - SOPs	SAM-MKT-SOP-XXX	Initially	N/A	Sales & Marketing Manager	Not Required	Not Required
Sales and Marketing - Customer Service - SOPs	SAM-CST-SOP-XXX	Initially	N/A	Sales & Marketing Manager	Not Required	Not Required
Sales and Marketing - Finance - SOPs	SAM-FIN-SOP-XXX	Initially	N/A	Sales & Marketing Manager	Not Required	Not Required
Technical Services - Regulatory - SOPs	TSS-REG-SOP-XXX	Initially	N/A	Technical Services Manager	Not Required	Not Required
Technical Services - Approvals - SOPs	TSS-APP-SOP-XXX	Initially	N/A	Technical Services Manager	Not Required	Not Required
Technical Services - Laboratory - SOPs	TSS-LAB-SOP-XXX	Initially	N/A	Technical Services Manager	Not Required	Not Required
Operations - Scheduling - SOPs	OPS-SCH-SOP-XXX	Initially	N/A	Operations Manager	Required	Required
Operations - Receiving - SOPs	OPS-REC-SOP-XXX	Initially	N/A	Operations Manager	Required	Required
Operations - Solid Waste Management - SOPs	OPS-NH-SOP-XXX	Initially	N/A	Operations Manager	Required	Required
Operations - RCRA Hazardous Waste Management - SOPs	OPS-HAZ-SOP-XXX	Initially	N/A	Operations Manager	Required	Required
Operations - Used Oil Management - SOPs	OPS-OIL-SOP-XXX	Initially	N/A	Operations Manager	Required	Required
Operations - Universal Waste Small Quantity Handler Management - SOPs	OPS-UNV-SOP-XXX	Initially	N/A	Operations Manager	Required	Required
Operations - Solvent Continue Use Management - SOPs	OPS-SCU-SOP-XXX	Initially	N/A	Operations Manager	Required	Required
Operations - Transportation - SOPs	OPS-TRN-SOP-XXX	Initially	N/A	Operations Manager	Required	Required
Operations - Total Preventative Maintenance - SOPs	OPS-TPM-SOP-XXX	Initially	N/A	Operations Manager	Required	Required
Operations - Environmental, Health and Safety - SOPs	OPS-EHS-SOP-XXX	Initially	N/A	Operations Manager	Required	Required

On-The-Job (OTJ)						
Emergency Management - Evacuation Routes and Meeting Location	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required
Emergency Management - Alarm System Operation	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required
Emergency Management - Location and Operations of Two-Way Walkie Talkies	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required
Emergency Management - Spill Kit Locations and Items	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required
Emergency Management - Fire Extinguishers and Fire Hoses Location	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required
Emergency Management - Emergency Eyewash and Shower Location and Use	OPS-EHS-WI-010	Initially	N/A	Manager	Required	Required
Bloodborne Pathogens - Bloodborne Pathogen Clean-Up Kit Location	OPS-EHS-WI-007	Initially	N/A	Manager	Optional	Optional
Medical Management - First Aid Kit Location	OPS-EHS-WI-008	Initially	N/A	Manager	Required	Required
Incident Reporting and Investigation - Report Forms and Submittal	OPS-EHS-WI-004	Initially	N/A	Manager	Required	Required
Personal Protective Equipment - PPE Cabinet and Items	OPS-EHS-WI-001	Initially	N/A	Manager	Required	Required
Personal Protective Equipment - Safety Shoes Reimbursement	OPS-EHS-WI-001	Initially	N/A	Manager	Required	Required
Respiratory Protection - Issuance of Respirator, Cartridges and Storage Container	OPS-EHS-WI-017	Initially	N/A	Manager	Not Required	Not Required
Powered Industrial Trucks - Daily Inspection Sheets	OPS-EHS-WI-002	Initially	N/A	Manager	Required	Required
Powered Industrial Trucks - Battery Water Addition	OPS-EHS-WI-002	Initially	N/A	Manager	Required	Required
Powered Industrial Trucks - Proper Pallet Jack Usage	OPS-EHS-WI-002	Initially	N/A	Manager	Required	Required
Powered Industrial Trucks - Charging	OPS-EHS-WI-002	Initially	N/A	Manager	Required	Required
Powered Industrial Trucks - Drum Dumper Attachment Operation	OPS-EHS-WI-002	Initially	N/A	Manager	Required	Required
Powered Industrial Trucks - 2 Drum Handler Attachment Operation	OPS-EHS-WI-002	Initially	N/A	Manager	Required	Required
Hazardous Chemicals in Laboratory - Proper Chemical Storage	OPS-EHS-WI-009	Initially	N/A	Manager	Not Required	Not Required
Static Electricity - Grounding and Bonding Equipment and Usage	OPS-EHS-WI-005	Initially	N/A	Manager	Required	Required
Secondary Containment - Sampling of Rainwater and Documentation	OPS-EHS-WI-016	Initially	N/A	Manager	Required	Not Required


TRAINING COURSES		TRAINING INFORMATION			Transportation Coordinator	Transportation Drivers
	Associated Program	Initial Training	Retraining	Trainer/Responsibility		
Secondary Containment - Manhole Valves Close/Open Operation	OPS-EHS-WI-016	Initially	N/A	Manager	Required	Required
Bulk Tanker - Proper Hose Hook-Up, Connections, Fittings	TBD	Initially	N/A	Manager	Required	Required
Bulk Tanker - Loading and Unloading Procedures	TBD	Initially	N/A	Manager	Required	Required
Bulk Tanker - Loading and Unloading Inspection	TBD	Initially	N/A	Manager	Required	Required
Bulk Tanker - Use of Strainer	TBD	Initially	N/A	Manager	Required	Required
Bulk Tanker - Wheels Chocked	TBD	Initially	N/A	Manager	Required	Required
Bulk Tanker - Placarding	TBD	Initially	N/A	Manager	Required	Required
Bulk Tanker - Vacuum Operation	TBD	Initially	N/A	Manager	Not Required	Required
Straight Trucks and Semi-Trailer - Loading and Unloading Procedures	TBD	Initially	N/A	Manager	Required	Required
Straight Trucks and Semi-Trailers - Placarding	TBD	Initially	N/A	Manager	Required	Required
Straight Trucks and Semi-Trailer - Wheels Chocked	TBD	Initially	N/A	Manager	Required	Required
Straight Trucks and Semi-Trailers - Loading Dock Operation	TBD	Initially	N/A	Manager	Required	Required
Proper Container Labeling - Internal Bar Code Label	TBD	Initially	N/A	Manager	Required	Required
Storage - Segregation of Waste and Use of Containment Pallets	TBD	Initially	N/A	Manager	Required	Required
Storage - Leaking Container Overpack Container Use	TBD	Initially	N/A	Manager	Required	Required
Storage - Handling Container Under Pressure	TBD	Initially	N/A	Manager	Required	Required
AGST - Pumping from RM 126 into Tanks	TBD	Initially	N/A	Manager	Required	Required
AGST - Pumping from RM 126 into Tanker Vehicle	TBD	Initially	N/A	Manager	Not Required	Required
AGST - Pumping from Tanks to a Tanker Vehicle	TBD	Initially	N/A	Manager	Required	Required
AGST - Pumping from Tanker Vehicle to a Tank	TBD	Initially	N/A	Manager	Required	Required
RM 125 and RM 126 - No Cell Phones	TBD	Initially	N/A	Manager	Required	Required
RM 125 and RM 126 - Use of Non-Sparking Tools Only	TBD	Initially	N/A	Manager	Required	Required
RM 125 and RM 126 - No Portable Electrical Equipment (Fans, Tools, Etc.) Allowed	TBD	Initially	N/A	Manager	Required	Required
Equipment - Drum Cart Usage	N/A	Initially	N/A	Manager	Required	Required
Equipment - Floor Scrubber Proper Operation	N/A	Initially	N/A	Manager	Required	Required
Equipment - Pressure Washer Proper Operation	N/A	Initially	N/A	Manager	Required	Required
Building - Security System On/Off	N/A	Initially	N/A	Manager	Required	Required
Building - Badge Card Access	N/A	Initially	N/A	Manager	Required	Required
Building - Housekeeping	N/A	Initially	N/A	Manager	Required	Required
Building - No Smoking on the Property	N/A	Initially	N/A	Manager	Required	Required
Waste Generation - Empty Container Recycling Trailer	TBD	Initially	N/A	Manager	Not Required	Not Required
Waste Generation - Satellite Accumulation Containers	WI-EHS-018	Initially	N/A	Manager	Not Required	Not Required

APPENDIX M: PERSONAL PROTECTIVE EQUIPMENT PLAN AND RESPIRATORY PROTECTION PLAN

M-01 Personal Protective Equipment Plan

M-02 Respiratory Protection Plan

Enviro-Safe Resource Recovery
Appendix M-01 - Personal Protective Equipment Plan

Document No.: EHS-WI-001	Revision Date: 2/2/2022	Revision No.: 003	
Document Title: PERSONAL PROTECTIVE EQUIPMENT PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/2/2022	

1.0 PURPOSE

1.1 The purpose of this procedure is to define the minimum safety requirements for the use of personal protective equipment during daily operation at the facility.

2.0 SCOPE

2.1 This program applies to full-time, part-time and temporary employees, as well as, contractors and subcontractors that may become present on-site for which the organization assumes direct supervision.

3.0 LEGAL COMPLIANCE

3.1 This program has been prepared in accordance with OSHA 29 CFR 1910.132 (general), 1910.133 (eye and face), 1910.135 (head), 1910.136 (feet) and 1910.138 (hand) governing the general requirements for protective equipment in an industrial setting.

3.2 The requirements for respirator protection can be found under separate plan.

4.0 DEFINITIONS

4.1 Health Hazard. A chemical for which there is statistically significant evidence based on at least one study conducted in accordance with established scientific principles that acute or chronic health effects may occur in exposed employees per Hazard Communication Standard (29 CFR 1910.1200).

4.2 Physical Hazard. A type of occupational hazard that involves environmental hazards that can cause harm with or without contact.

4.3 Personal Protective Equipment (PPE). Specialized clothing worn by employees to protect the body from health and safety hazards.

5.0 ORGANIZATION AND PERSONNEL RESPONSIBILITIES

5.1 Operations Manager. The Operations Manager, along with the Technical Service Manager, shall be responsible for implementing and enforcing the personal protective equipment requirements at the facility. This includes providing the respective personal protective equipment for employees, training employees in their use and enforce its use when required.


5.2 Technical Service Manager. The Technical Service Manager, along with the Operations Manager, shall be responsible for implementing and enforcing the personal protective equipment requirements at the facility. This includes providing the respective personal protective equipment for employees, training employees in their use and enforce its use when required.

5.3 Employees. Employees are responsible for following, wearing and maintaining the integrity of the personal protective equipment required to be worn.

6.0 HAZARD ASSESSMENT and EQUIPMENT SELECTION

6.1 An assessment of the facility shall be performed to determine if hazards are present, or likely to be present, which necessitate the use of PPE. The workplace hazard assessment shall be documented through a written certification (Appendix A - Personal Protective Equipment Hazard Assessment).

6.2 All personal protective clothing and equipment will be of safe design and construction for the work to be performed and shall be maintained in a sanitary and reliable condition.

Document No.: EHS-WI-001	Revision Date: 2/2/2022	Revision No.: 003	
Document Title: PERSONAL PROTECTIVE EQUIPMENT PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/2/2022	

Only those items of protective clothing and equipment that meets NIOSH, ANSI and/or ASTM standards, or their equivalent, will be procured or accepted for use. The selection guide used to assist in choosing the correct personal protective equipment can be found at www.safetyequipment.org.

7.0 EYE AND FACE PROTECTION


- 7.1 Safety eyewear shall be worn in those areas, as determined appropriate by the organization through the hazard assessment. At the present time safety eyewear is required to be worn by employees whenever they become present within the warehouse. This includes office employees, visitors, guests, vendors, contractor and other personal that may be come present within the warehouses. In addition, safety goggles may be required when working directly with chemicals that may present a higher hazard. Safety eyewear shall be issued to all driver's operating transportation vehicles should they become present at a site for which eye protection is required. Safety eyewear shall comply with the American National Standard for Eyewear Protection (ANSI Z87.1-2010).
- 7.2 Safety eyewear shall be provided by the organization which complies with the American National Standard for Personal Protection - Eyewear Protection (ANSI Z87.1-2010) shall be deemed appropriate safety eyewear by the organization. Employees requiring prescription eyewear may receive reimbursement benefits from the organization on a case-by-case basis.
- 7.3 Emergency showers and eyewash units meeting the requirements of American National Standard for Emergency Eyewash and Drench Showers (ANSI Z358.1) shall be provided in areas where the eyes of an employee may be exposed to hazardous materials. All such emergency facilities will be located where they are easily accessible in an emergency situation.

8.0 HEAD PROTECTION

- 8.1 Under normal circumstances, head protection is not required. However, head protection shall be issued to all driver's operating transportation vehicles should they become present at a site for which head protection is required. Head protection shall comply with the American National Standard for Head Protection (ANSI Z89.1-1986).

9.0 FOOT PROTECTION

- 9.1 Safety footwear shall be worn in those areas, as determined appropriate by the organization through the hazard assessment. At the present time safety footwear is required to be worn by employees conducting work within the warehouse and by driver's operating transportation vehicles. Office employees, visitors, guests, vendors and other personal are not required to wear safety footwear provided they do not conduct physical work within the warehouse or operate transportation vehicles.
- 9.2 Employees required to wear safety footwear shall receive reimbursement benefits from the organization as outline within the Safety Footwear Reimbursement Policy and Form (Appendix B). Safety footwear which complies with the American National Standard for Personal Protection - Protective Footwear (ANSI Z41.1-1991) or American Society of Testing Materials - Specification for Performance Requirements for Foot Protection (ASTM F2413-05) shall be deemed appropriate safety footwear by the organization and subject to reimbursement.

Document No.: EHS-WI-001	Revision Date: 2/2/2022	Revision No.: 003	
Document Title: PERSONAL PROTECTIVE EQUIPMENT PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/2/2022	

10.0 HAND PROTECTION

- 10.1 Hand protection shall be worn when required to provide protection from chemicals, cuts, lacerations, and/or abrasions. Glove selection shall be based on the performance characteristics of the gloves, conditions, duration of use and hazards present. See Appendix D: Glove Selection Guide (Appendix D) for assistance.
- 10.2 At the present time gloves are not required to be worn by employees conducting routine warehouse activities. However, any time a container is open or there is any interaction (i.e., consolidation or bulking activities) with chemicals, gloves are required. This includes non-route events such as cleaning up chemical leaks and spills. Gloves are provided by the organization for employee's use. In addition, gloves shall be issued to all transportation drivers should they be needed at a site for loading or unloading activities. Since there are no ANSI standards for gloves, selection shall be based upon the performance characteristics of the glove in relation to the task(s) to be performed.

11.0 BODY PROTECTION


- 11.1 Body protection shall be used when required to provide protection from non-hazardous and hazardous waste. At the present time, disposal Tyvek coveralls are required to be worn when there is exposure to non-hazardous particulates (waste, oil, grease, lubricants) and liquid splashing. Disposal Tychem coveralls are required to be worn when there is exposure to hazardous dry powders and solids (dry pharma chemicals), light chemical splashes and aerosol (inorganic acids and bases) and moderate liquid chemical splashes (organic solvents).
- 11.2 Cotton uniforms are provided as part of the Uniform Policy (WI-HR-003) and are required to be worn within specific departments to provide for uniformity, reflect good appearance and provide ease of recognition and/or identification for organizational employees to both internal and external parties. The cotton uniforms are not regarded as personal protective equipment. If body protection is required from hazard present, the appropriate disposal Tyvek or Tychem coverall should be worn.

12.0 CLEANING AND MAINTENANCE

- 12.1 Cleaning and Maintenance. PPE should be inspected, cleaned, and maintained at regular intervals to ensure that the personal protective equipment provides the requisite protection. Personal protective equipment should not be shared between employees until it has been properly cleaned and sanitized. Personal protective equipment will be distributed for individual use whenever possible. Contaminated personal protective equipment, which cannot be decontaminated, shall be disposed of in a manner that protects employees from exposure to hazards.
- 12.2 Damaged or Malfunctioning Equipment. Equipment shall only be used as intended and when the PPE has become damaged, broken, or otherwise it shall be discarded. It is the responsibility of the wearer to discard damaged PPE. Extra personal protective equipment stocks are maintained and damaged PPE shall be replaced.

13.0 INVENTORY

- 13.1 An inventory of personal protective equipment will be readily available which will include:
- Safety Glasses with Side Shields
 - Safety Goggles
 - Face Shield
 - General Purpose Work Gloves
 - Chemical Resistant Boots/Covers
 - Tyvek and Tychem Coveralls
 - Dust Mask (separate program)
 - Respirator Cartridges (separate program)

Document No.: EHS-WI-001	Revision Date: 2/2/2022	Revision No.: 003	
Document Title: PERSONAL PROTECTIVE EQUIPMENT PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/2/2022	

- Leather Gloves
- Chemical Resistant Gloves
- Ear Plugs
- Insulated Gloves (for cold weather)

13.2 Personalized and specialized personal protective equipment is issued to employees on an individual basis (e.g., safety shoes, safety glasses, air-purifying respirators).

14.0 TRAINING

14.1 All employees within the organization must complete personal protective equipment training before conducting work. This training will ensure that employees are knowledgeable on the use of personal protective equipment while performing their specific duties.

15.0 RELATED DOCUMENTS


- 15.1 Appendix A - Personal Protective Equipment Hazard Assessment
- 15.2 Appendix B - Safety Footwear Reimbursement Policy and Form
- 15.3 Appendix C - Glove Selection Guide
- 15.4 Appendix D - Personal Protective Equipment Training Protocol

16.0 REFERENCED DOCUMENTS

- 16.1 Personal Protective Equipment - General Requirements (OSHA 29 CFR 1910.132)
- 16.2 Personal Protective Equipment - Eye and Face Protection (OSHA 29 CFR 1910.133)
- 16.3 Personal Protective Equipment - Head Protection (OSHA 29 CFR 1910.135)
- 16.4 Personal Protective Equipment - Feet Protection (OSHA 29 CFR 1910.136)
- 16.5 Personal Protective Equipment - Hand Protection (OSHA 29 CFR 1910.138)
- 16.6 Hazard Communication Standard (OSHA 29 CFR 1910.1200)
- 16.7 American National Standard for Hand Protection (ANSI Z87.1-1986)
- 16.8 American National Standard for Emergency Eyewash and Drench Showers (ANSI Z358.1)
- 16.9 American National Standard for Head Protection (ANSI Z89.1-1986).
- 16.10 American National Standard for Personal Protection - Protective Footwear (ANSI Z41.1-12.11 1991) American Society of Testing Materials - Specification for Performance Requirements for Foot Protection (ASTM F2413-05)
- 16.11 Uniform Policy (HR-WI-004)


17.0 REVISION SUMMARY


Date	Revisions	Revised By
8/31/2016	New Document	D. Zellmer
4/11/2019	Reviewed and Revised PPE Assessment as Needed	D. Zellmer
9/3/2021	WDNR requested changes.	D. Zellmer
2/2/2022	Reviewed and updated to provide clarification of PPE required to be worn.	D. Zellmer


Document No.: EHS-WI-001	Revision Date: 2/2/2022	Revision No.: 003	
Document Title: PERSONAL PROTECTIVE EQUIPMENT PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/2/2022	


**APPENDIX A
PERSONAL PROTECTIVE EQUIPMENT CERTIFICATION OF HAZARD ASSESSMENT –
LABORATORY – CHEMISTS AND TECHNICIANS**


The primary risk when working in the laboratory is dealing with hazardous chemicals that come in as samples for analysis. Various characterization tests are performed which may expose those in the room to chemical splashes, projectiles, fires, vapor formation, or other hazards. For this reason, the correct PPE is necessary.


BODY HAZARD and PROTECTION				
	Hazard		Required Protection	
	Impact: Flying Objects	No	Long Sleeves	N/A
	Electrical Static Discharge	No	Static Control Shirt/Pants	N/A
	Chemical Exposure: Nuisance	Yes	Tyvek Laboratory Coat	Required
	Chemical Exposure: Other	Yes	Tyvek Suit	N/A


EYE/FACE HAZARD and PROTECTION				
	Hazard		Required Protection	
	Nuisance Dust	Yes	Safety Glasses with Side-Shield	Required
	Impact: Flying Objects/Debris	Yes	Safety Glasses with Side-Shield	N/A
	Chemical: Irritating Mists	Yes	Safety Glasses with Side-Shield	Required
	Chemical: Splashing	Yes	Safety Goggles	As Needed


HAND HAZARD and PROTECTION				
	Hazard		Required Protection	
	Penetration: Rough Objects	Yes	General Purpose Work Gloves	As Needed
	Penetration: Sharp Objects	Yes	Leather Gloves	As Needed
	Chemicals	Yes	Chemical Resistant Gloves	As Needed
	Extreme Cold	Yes	Insulated Gloves	As Needed


HEAD HAZARD and PROTECTION				
	Hazard		Required Protection	
	Falling Objects	No	Protective Helmet: Class B	N/A
	Low Fixed Objects	No	Protective Helmet: Class C	N/A
	Low Hanging Pipe/Beams	No	Protective Helmet: Class C	N/A

Document No.: EHS-WI-001	Revision Date: 2/2/2022	Revision No.: 003	
Document Title: PERSONAL PROTECTIVE EQUIPMENT PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/2/2022	

FOOT HAZARD and PROTECTION				
	Hazard		Required Protection	
	Impact: Heavy Objects	Yes	Steel Toe Safety Shoes	Required
	Compression: Vehicle Roll Over	No	Steel Toes with Metatarsal Shoes	N/A
	Penetration: Sharp Objects	No	Puncture Resistant Shoes	N/A
	Electrical Hazard	No	Electrical Hazard Shoes	N/A
	Explosive Atmosphere	No	Static Dissipative Shoes	N/A
	Penetration: Chemicals	Yes	Chemical Resistant Boots/Covers	As Needed
	Slippery Surfaces	No	Slip-Resistant Soles	N/A
	Exposure to Extreme Cold	Yes	Insulated Boots or Shoes	N/A

RESPIRATORY HAZARD and PROTECTION				
	Hazard		Required Protection	
	Particulates/Dust	Yes	Dust Mask	As Needed
	Chemical: Vapors	Yes	Air-Purifying Respirator	As Needed
	Chemical: Gases	No	Powered Air-Purifying Respirator	N/A
	Chemical: Specific Chemical	No	Self-Contained Breathing Apparatus	N/A


PERSONAL PROTECTIVE EQUIPMENT CERTIFICATION	
	I certify that the personal protective equipment hazard assessment has been performed to the best of my knowledge and ability based upon the hazards present at the time the assessment was performed.
	Workplace Evaluated: Enviro-Safe Resource Recovery
	Assessor's Name and Title: Dawn Zellmer, CEO
	Date of the Assessment: February 2, 2022

Document No.: EHS-WI-001	Revision Date: 2/2/2022	Revision No.: 003	
Document Title: PERSONAL PROTECTIVE EQUIPMENT PLAN			
Certified By: CEO/OPERATION MANAGER	Certified Date: 2/2/2022		


**APPENDIX A
PERSONAL PROTECTIVE EQUIPMENT CERTIFICATION OF HAZARD ASSESSMENT
RECEIVING**

The primary risk when conducting receiving operations is the exposure to chemical splashes, vapors, dust, and other hazards while conducting sampling and other receiving activities. For this reason, the correct PPE is necessary.


BODY HAZARD and PROTECTION

	Hazard		Required Protection	
	Impact: Flying Objects	No	Long Sleeves	N/A
	Electrical Static Discharge	No	Static Control Shirt/Pants	N/A
	Chemical Exposure: Nuisance	Yes	Tyvek Coveralls - Tyvek 400	As Needed
	Chemical Exposure: Other	Yes	Tyvek Coveralls - Tyvek 400	As Needed


EYE/FACE HAZARD and PROTECTION


	Hazard		Required Protection	
	Nuisance Dust	Yes	Safety Glasses with Side-Shield	Required
	Impact: Flying Objects/Debris	Yes	Safety Glasses with Side-Shield	Required
	Chemical: Irritating Mists	Yes	Safety Glasses with Side-Shield	Required
	Chemical: Splashing	Yes	Safety Goggles	As Needed

HAND HAZARD and PROTECTION


	Hazard		Required Protection	
	Penetration: Rough Objects	Yes	General Purpose Work Gloves	As Needed
	Penetration: Sharp Objects	Yes	Leather Gloves	As Needed
	Chemicals	Yes	Chemical Resistant Gloves	As Needed
	Extreme Cold	Yes	Insulated Gloves	As Needed

HEAD HAZARD and PROTECTION


	Hazard		Required Protection	
	Falling Objects	No	Protective Helmet: Class B	N/A
	Low Fixed Objects	No	Protective Helmet: Class C	N/A
	Low Hanging Pipe/Beams	No	Protective Helmet: Class C	N/A

Document No.: EHS-WI-001	Revision Date: 2/2/2022	Revision No.: 003	
Document Title: PERSONAL PROTECTIVE EQUIPMENT PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/2/2022	


FOOT HAZARD and PROTECTION


	Hazard		Required Protection	
	Impact: Heavy Objects	Yes	Steel Toe Safety Shoes	Required
	Compression: Vehicle Roll Over	No	Steel Toes with Metatarsal Shoes	N/A
	Penetration: Sharp Objects	No	Puncture Resistant Shoes	N/A
	Electrical Hazard	No	Electrical Hazard Shoes	N/A
	Explosive Atmosphere	No	Static Dissipative Shoes	N/A
	Penetration: Chemicals	Yes	Chemical Resistant Boots/Covers	As Needed
	Slippery Surfaces	No	Slip-Resistant Soles	N/A
	Exposure to Extreme Cold	Yes	Insulated Boots or Shoes	N/A

RESPIRATORY HAZARD and PROTECTION

	Hazard		Required Protection	
	Particulates/Dust	Yes	Dust Mask	As Needed
	Chemical: Vapors	Yes	Air-Purifying Respirator	As Needed
	Chemical: Gases	No	Powered Air-Purifying Respirator	N/A
	Chemical: Specific Chemical	No	Self-Contained Breathing Apparatus	N/A


PERSONAL PROTECTIVE EQUIPMENT CERTIFICATION


	I certify that the personal protective equipment hazard assessment has been performed to the best of my knowledge and ability based upon the hazards present at the time the assessment was performed.	
	Workplace Evaluated:	Enviro-Safe Resource Recovery
	Assessor's Name and Title:	Dawn Zellmer, CEO
	Date of the Assessment:	February 2, 2022


Document No.: EHS-WI-001	Revision Date: 2/2/2022	Revision No.: 003	
Document Title: PERSONAL PROTECTIVE EQUIPMENT PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/2/2022	


**APPENDIX A
PERSONAL PROTECTIVE EQUIPMENT CERTIFICATION OF HAZARD ASSESSMENT
SOLID WASTE - CONSOLIDATION, BULKING, LAB PACK/DEPACKING**


The primary risk when working with solid waste during consolidation, bulking and lab pack/depacking operations is the exposure to chemical splashes, vapors, dust, and other hazards. For this reason, the correct PPE is necessary.


BODY HAZARD and PROTECTION				
	Hazard		Required Protection	
	Impact: Flying Objects	No	Long Sleeves	N/A
	Electrical Static Discharge	No	Static Control Shirt/Pants	N/A
	Chemical Exposure: Nuisance	Yes	Tyvek Coveralls - Tyvek 400	Required
Chemical Exposure: Other	Yes	Tyvek Coveralls - Tyvek 400	Required	


EYE/FACE HAZARD and PROTECTION				
	Hazard		Required Protection	
	Nuisance Dust	Yes	Safety Glasses with Side-Shield	Required
	Impact: Flying Objects/Debris	Yes	Safety Glasses with Side-Shield	Required
	Chemical: Irritating Mists	Yes	Safety Glasses with Side-Shield	Required
Chemical: Splashing	Yes	Safety Goggles	Required	


HAND HAZARD and PROTECTION				
	Hazard		Required Protection	
	Penetration: Rough Objects	Yes	General Purpose Work Gloves	N/A
	Penetration: Sharp Objects	Yes	Leather Gloves	N/A
	Chemicals	Yes	Chemical Resistant Gloves	Required
Extreme Cold	Yes	Insulated Gloves	N/A	


HEAD HAZARD and PROTECTION				
	Hazard		Required Protection	
	Falling Objects	No	Protective Helmet: Class B	N/A
	Low Fixed Objects	No	Protective Helmet: Class C	N/A
Low Hanging Pipe/Beams	No	Protective Helmet: Class C	N/A	

Document No.: EHS-WI-001	Revision Date: 2/2/2022	Revision No.: 003	
Document Title: PERSONAL PROTECTIVE EQUIPMENT PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/2/2022	

FOOT HAZARD and PROTECTION				
	Hazard		Required Protection	
	Impact: Heavy Objects	Yes	Steel Toe Safety Shoes	Required
	Compression: Vehicle Roll Over	No	Steel Toes with Metatarsal Shoes	N/A
	Penetration: Sharp Objects	No	Puncture Resistant Shoes	N/A
	Electrical Hazard	No	Electrical Hazard Shoes	N/A
	Explosive Atmosphere	No	Static Dissipative Shoes	N/A
	Penetration: Chemicals	Yes	Chemical Resistant Boots/Covers	As Needed
	Slippery Surfaces	No	Slip-Resistant Soles	N/A
	Exposure to Extreme Cold	Yes	Insulated Boots or Shoes	N/A


RESPIRATORY HAZARD and PROTECTION				
	Hazard		Required Protection	
	Particulates/Dust	Yes	Dust Mask	As Needed
	Chemical: Vapors	Yes	Air-Purifying Respirator	As Needed
	Chemical: Gases	No	Powered Air-Purifying Respirator	N/A
	Chemical: Specific Chemical	No	Self-Contained Breathing Apparatus	N/A


PERSONAL PROTECTIVE EQUIPMENT CERTIFICATION	
	I certify that the personal protective equipment hazard assessment has been performed to the best of my knowledge and ability based upon the hazards present at the time the assessment was performed.
	Workplace Evaluated: Enviro-Safe Resource Recovery
	Assessor's Name and Title: Dawn Zellmer, CEO
	Date of the Assessment: February 2, 2022


Document No.: EHS-WI-001	Revision Date: 2/2/2022	Revision No.: 003	
Document Title: PERSONAL PROTECTIVE EQUIPMENT PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/2/2022	


**APPENDIX A
PERSONAL PROTECTIVE EQUIPMENT CERTIFICATION OF HAZARD ASSESSMENT
HAZARDOUS WASTE - CONSOLIDATION, BULKING LAB PACK/DEPACKING, ELEMENTRY
NEUTRALIZATION AND AEROSOL CAN PUNCTURING**


The primary risk when working with hazardous waste during consolidation, bulking, lab pack/depacking, elementary neutralization and aerosol can puncturing operations is the exposure to chemical splashes, vapors, dust, and other hazards. For this reason, the correct PPE is necessary.


BODY HAZARD and PROTECTION				
	Hazard		Required Protection	
	Impact: Flying Objects	No	Long Sleeves	N/A
	Electrical Static Discharge	No	Static Control Shirt/Pants	N/A
	Chemical Exposure: Nuisance	Yes	Tyvek Coverall - Tychem 2000 or 4000	Required
	Chemical Exposure: Other	Yes	Tyvek Coverall - Tychem 2000 or 4000	Required


EYE/FACE HAZARD and PROTECTION				
	Hazard		Required Protection	
	Nuisance Dust	Yes	Safety Glasses with Side-Shield	N/A
	Impact: Flying Objects/Debris	Yes	Safety Glasses with Side-Shield	N/A
	Chemical: Irritating Mists	Yes	Safety Glasses with Side-Shield	N/A
	Chemical: Splashing	Yes	Safety Goggles	Required


HAND HAZARD and PROTECTION				
	Hazard		Required Protection	
	Penetration: Rough Objects	Yes	General Purpose Work Gloves	N/A
	Penetration: Sharp Objects	Yes	Leather Gloves	N/A
	Chemicals	Yes	Chemical Resistant Gloves	Required
	Extreme Cold	Yes	Insulated Gloves	N/A


HEAD HAZARD and PROTECTION				
	Hazard		Required Protection	
	Falling Objects	No	Protective Helmet: Class B	N/A
	Low Fixed Objects	No	Protective Helmet: Class C	N/A
	Low Hanging Pipe/Beams	No	Protective Helmet: Class C	N/A

Document No.: EHS-WI-001	Revision Date: 2/2/2022	Revision No.: 003	
Document Title: PERSONAL PROTECTIVE EQUIPMENT PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/2/2022	

FOOT HAZARD and PROTECTION				
	Hazard		Required Protection	
	Impact: Heavy Objects	Yes	Steel Toe Safety Shoes	Required
	Compression: Vehicle Roll Over	No	Steel Toes with Metatarsal Shoes	N/A
	Penetration: Sharp Objects	No	Puncture Resistant Shoes	N/A
	Electrical Hazard	No	Electrical Hazard Shoes	N/A
	Explosive Atmosphere	No	Static Dissipative Shoes	N/A
	Penetration: Chemicals	Yes	Chemical Resistant Boots/Covers	As Needed
	Slippery Surfaces	No	Slip-Resistant Soles	N/A
	Exposure to Extreme Cold	Yes	Insulated Boots or Shoes	N/A

RESPIRATORY HAZARD and PROTECTION				
	Hazard		Required Protection	
	Particulates/Dust	Yes	Dust Mask	As Needed
	Chemical: Vapors	Yes	Air-Purifying Respirator	As Needed
	Chemical: Gases	No	Powered Air-Purifying Respirator	N/A
Chemical: Specific Chemical	No	Self-Contained Breathing Apparatus	N/A	


PERSONAL PROTECTIVE EQUIPMENT CERTIFICATION		
	I certify that the personal protective equipment hazard assessment has been performed to the best of my knowledge and ability based upon the hazards present at the time the assessment was performed.	
	Workplace Evaluated:	Enviro-Safe Resource Recovery
	Assessor's Name and Title:	Dawn Zellmer, CEO
	Date of the Assessment:	February 2, 2022

Document No.: EHS-WI-001	Revision Date: 2/2/2022	Revision No.: 003	
Document Title: PERSONAL PROTECTIVE EQUIPMENT PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/2/2022	


**APPENDIX A
PERSONAL PROTECTIVE EQUIPMENT CERTIFICATION OF HAZARD ASSESSMENT
HAZARDOUS WASTE - FUEL BLENDING**

The primary risk when working with hazardous waste during fuel blending operations is the exposure to chemical splashes, vapors, and other hazards. For this reason, the correct PPE is necessary.


BODY HAZARD and PROTECTION

	Hazard		Required Protection	
	Impact: Flying Objects	No	Long Sleeves	N/A
	Electrical Static Discharge	No	Static Control Shirt/Pants	N/A
	Chemical Exposure: Nuisance	Yes	Tyvek Coveralls - Tyvek 4000	Required
	Chemical Exposure: Other	Yes	Tyvek Coveralls - Tychem 4000	Required


EYE/FACE HAZARD and PROTECTION


	Hazard		Required Protection	
	Nuisance Dust	Yes	Safety Glasses with Side-Shield	N/A
	Impact: Flying Objects/Debris	Yes	Safety Glasses with Side-Shield	N/A
	Chemical: Irritating Mists	Yes	Safety Glasses with Side-Shield	N/A
	Chemical: Splashing	Yes	Safety Goggles	Required

HAND HAZARD and PROTECTION


	Hazard		Required Protection	
	Penetration: Rough Objects	Yes	General Purpose Work Gloves	N/A
	Penetration: Sharp Objects	Yes	Leather Gloves	N/A
	Chemicals	Yes	Chemical Resistant Gloves	Required
	Extreme Cold	Yes	Insulated Gloves	N/A

HEAD HAZARD and PROTECTION


	Hazard		Required Protection	
	Falling Objects	No	Protective Helmet: Class B	N/A
	Low Fixed Objects	No	Protective Helmet: Class C	N/A
	Low Hanging Pipe/Beams	No	Protective Helmet: Class C	N/A

Document No.: EHS-WI-001	Revision Date: 2/2/2022	Revision No.: 003	
Document Title: PERSONAL PROTECTIVE EQUIPMENT PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/2/2022	


FOOT HAZARD and PROTECTION


	Hazard		Required Protection	
	Impact: Heavy Objects	Yes	Steel Toe Safety Shoes	Required
	Compression: Vehicle Roll Over	No	Steel Toes with Metatarsal Shoes	N/A
	Penetration: Sharp Objects	No	Puncture Resistant Shoes	N/A
	Electrical Hazard	No	Electrical Hazard Shoes	N/A
	Explosive Atmosphere	No	Static Dissipative Shoes	N/A
	Penetration: Chemicals	Yes	Chemical Resistant Boots/Covers	Required
	Slippery Surfaces	No	Slip-Resistant Soles	N/A
	Exposure to Extreme Cold	Yes	Insulated Boots or Shoes	N/A

RESPIRATORY HAZARD and PROTECTION

	Hazard		Required Protection	
	Particulates/Dust	Yes	Dust Mask	As Needed
	Chemical: Vapors	Yes	Air-Purifying Respirator	As Needed
	Chemical: Gases	No	Powered Air-Purifying Respirator	N/A
	Chemical: Specific Chemical	No	Self-Contained Breathing Apparatus	N/A


PERSONAL PROTECTIVE EQUIPMENT CERTIFICATION


	I certify that the personal protective equipment hazard assessment has been performed to the best of my knowledge and ability based upon the hazards present at the time the assessment was performed.	
	Workplace Evaluated:	Enviro-Safe Resource Recovery
	Assessor's Name and Title:	Dawn Zellmer, CEO
	Date of the Assessment:	February 2, 2022


Document No.: EHS-WI-001	Revision Date: 2/2/2022	Revision No.: 003	
Document Title: PERSONAL PROTECTIVE EQUIPMENT PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/2/2022	


**APPENDIX A
PERSONAL PROTECTIVE EQUIPMENT CERTIFICATION OF HAZARD ASSESSMENT
STRAIGHT TRUCK/SEMI-TRUCK DRIVERS**


The primary risk while working as a straight truck driver is handling of containers as they are loaded and unloaded from the transportation vehicle. The driver ensures the containers are not compromised prior to loading, ensures the loads are secure during actual transportation and ensure no damage has occurred to the containers during transportation during unloading activities. During handling the containers can fall or tip, which can cause exposure to chemicals. For these reasons the proper PPE is required.

BODY HAZARD and PROTECTION				
	Hazard		Required Protection	
	Impact: Flying Objects	No	Long Sleeves	N/A
	Electrical Static Discharge	No	Static Control Shirt/Pants	N/A
	Chemical Exposure: Nuisance	Yes	Tyvek Coveralls	N/A
	Chemical Exposure: Other	No	Tyvek Coveralls	N/A


EYE/FACE HAZARD and PROTECTION				
	Hazard		Required Protection	
	Nuisance Dust	Yes	Safety Glasses with Side-Shield	As Needed
	Impact: Flying Objects/Debris	No	Safety Glasses with Side-Shield	N/A
	Chemical: Irritating Mists	No	Safety Glasses with Side-Shield	N/A
	Chemical: Splashing	No	Safety Goggles	N/A


HAND HAZARD and PROTECTION				
	Hazard		Required Protection	
	Penetration: Rough Objects	Yes	General Purpose Work Gloves	As Needed
	Penetration: Sharp Objects	Yes	Leather Gloves	As Needed
	Chemicals	No	Chemical Resistant Gloves	N/A
	Extreme Cold	No	Insulated Gloves	N/A


HEAD HAZARD and PROTECTION				
	Hazard		Required Protection	
	Falling Objects	No	Protective Helmet: Class B	N/A
	Low Fixed Objects	No	Protective Helmet: Class C	N/A
	Low Hanging Pipe/Beams	No	Protective Helmet: Class C	N/A


Document No.: EHS-WI-001	Revision Date: 2/2/2022	Revision No.: 003	
Document Title: PERSONAL PROTECTIVE EQUIPMENT PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/2/2022	

Other: Customer Requirements	Yes	Protective Helmet: Class C	Yes
------------------------------	-----	----------------------------	-----

FOOT HAZARD and PROTECTION				
	Hazard		Required Protection	
	Impact: Heavy Objects	Yes	Steel Toe Safety Shoes	Required
	Compression: Vehicle Roll Over	No	Steel Toes with Metatarsal Shoes	N/A
	Penetration: Sharp Objects	No	Puncture Resistant Shoes	N/A
	Electrical Hazard	No	Electrical Hazard Shoes	N/A
	Explosive Atmosphere	No	Static Dissipative Shoes	N/A
	Penetration: Chemicals	No	Chemical Resistant Boots/Covers	N/A
	Slippery Surfaces	No	Slip-Resistant Soles	N/A
	Exposure to Extreme Cold	No	Insulated Boots or Shoes	N/A


RESPIRATORY HAZARD and PROTECTION				
	Hazard		Required Protection	
	Particulates/Dust	Yes	Dust Mask	N/A
	Chemical: Vapors	Yes	Air-Purifying Respirator	N/A
	Chemical: Gases	No	Powered Air-Purifying Respirator	N/A
Chemical: Specific Chemical	No	Self-Contained Breathing Apparatus	N/A	


PERSONAL PROTECTIVE EQUIPMENT CERTIFICATION		
	I certify that the personal protective equipment hazard assessment has been performed to the best of my knowledge and ability based upon the hazards present at the time the assessment was performed.	
	Workplace Evaluated:	Enviro-Safe Resource Recovery
	Assessor's Name and Title:	Dawn Zellmer, CEO
	Date of the Assessment:	February 2, 2022


Document No.: EHS-WI-001	Revision Date: 2/2/2022	Revision No.: 003	
Document Title: PERSONAL PROTECTIVE EQUIPMENT PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/2/2022	


**APPENDIX A
PERSONAL PROTECTIVE EQUIPMENT CERTIFICATION OF HAZARD ASSESSMENT
TANKER TRUCK DRIVERS**


The primary risk while working as a tanker truck driver is exposure to chemicals during the loading and unloading of material or waste from the transportation vehicle. The driver affixes and removes all hoses and other attachments from the transportation vehicle to the above ground storage tanks when loading or unloading material of waste. While conducting connections or unconnecting equipment, leaks or spills can occur causing exposure to chemicals. For these reasons the proper PPE is required for the safety of all those in the warehouse.

BODY HAZARD and PROTECTION				
	Hazard		Required Protection	
	Impact: Flying Objects	No	Long Sleeves	N/A
	Electrical Static Discharge	No	Static Control Shirt/Pants	N/A
	Chemical Exposure: Nuisance	Yes	Tyvek Coveralls - Tychem 4000	As Needed
	Chemical Exposure: Other	Yes	Tyvek Suit - Tychem 4000	As Needed


EYE/FACE HAZARD and PROTECTION				
	Hazard		Required Protection	
	Nuisance Dust	Yes	Safety Glasses with Side-Shield	As Needed
	Impact: Flying Objects/Debris	No	Safety Glasses with Side-Shield	N/A
	Chemical: Irritating Mists	Yes	Safety Glasses with Side-Shield	As Needed
	Chemical: Splashing	Yes	Goggles	As Needed


HAND HAZARD and PROTECTION				
	Hazard		Required Protection	
	Penetration: Rough Objects	Yes	General Purpose Work Gloves	As Needed
	Penetration: Sharp Objects	Yes	Leather Gloves	As Needed
	Chemicals	Yes	Chemical Resistant Gloves	As Needed
	Extreme Cold	Yes	Insulated Gloves	As Needed


HEAD HAZARD and PROTECTION				
	Hazard		Required Protection	
	Falling Objects	No	Protective Helmet: Class B	N/A
	Low Fixed Objects	No	Protective Helmet: Class C	N/A
	Low Hanging Pipe/Beams	No	Protective Helmet: Class C	N/A


Document No.: EHS-WI-001	Revision Date: 2/2/2022	Revision No.: 003	
Document Title: PERSONAL PROTECTIVE EQUIPMENT PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/2/2022	

Other: Customer Requirement	Yes	Protective Helmet: Class C	As Needed
-----------------------------	-----	----------------------------	-----------

FOOT HAZARD and PROTECTION				
	Hazard		Required Protection	
	Impact: Heavy Objects	Yes	Steel Toe Safety Shoes	Required
	Compression: Vehicle Roll Over	No	Steel Toes with Metatarsal Shoes	N/A
	Penetration: Sharp Objects	No	Puncture Resistant Shoes	N/A
	Electrical Hazard	No	Electrical Hazard Shoes	N/A
	Explosive Atmosphere	No	Static Dissipative Shoes	N/A
	Penetration: Chemicals	No	Chemical Resistant Boots/Covers	N/A
	Slippery Surfaces	No	Slip-Resistant Soles	N/A
	Exposure to Extreme Cold	Yes	Insulated Boots or Shoes	As Needed

RESPIRATORY HAZARD and PROTECTION				
	Hazard		Required Protection	
	Particulates/Dust	Yes	Dust Mask	N/A
	Chemical: Vapors	Yes	Air-Purifying Respirator	N/A
	Chemical: Gases	No	Powered Air-Purifying Respirator	N/A
Chemical: Specific Chemical	No	Self-Contained Breathing Apparatus	N/A	

PERSONAL PROTECTIVE EQUIPMENT CERTIFICATION		
	I certify that the personal protective equipment hazard assessment has been performed to the best of my knowledge and ability based upon the hazards present at the time the assessment was performed.	
	Workplace Evaluated:	Enviro-Safe Resource Recovery
	Assessor's Name and Title:	Dawn Zellmer, CEO
	Date of the Assessment:	February 2, 2022

Document No.: EHS-WI-001	Revision Date: 2/2/2022	Revision No.: 003	
Document Title: PERSONAL PROTECTIVE EQUIPMENT PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/2/2022	

**APPENDIX B
SAFETY FOOTWEAR REIMBURSEMENT POLICY AND FORM**

Due to the nature of the operations conducted, designated operation, and transportation (drivers) employees are required to wear safety shoes and therefore, are eligible for reimbursement for safety footwear.


Safety footwear is defined as boots or shoes that conforms to the ASTM F2412-05 or ASTM F2413-05 (previously ANSI Z41-1999) standard and which the employing department requires to be worn while carrying out the duties of the employee's position.

Such reimbursement is subject to the following conditions:

1. Reimbursement for designated operation and transportation (drivers) personnel shall be for the actual cost of the safety footwear plus tax, not to exceed \$90.00 once every 12-months. Reimbursement for non-designated operation employees shall be for the actual cost of the safety footwear plus tax, not to exceed \$90.00 once every 36-months. Shoes damaged at work, other than normal wear and tear, may be replaced in kind at no cost to the employee at the discretion of their manager.
2. If the employee selects safety footwear for which the total cost (including sales tax) exceeds this allowance, the difference must be paid by the employee at the time of purchase. Reimbursement shall be paid within two weeks of approval.
3. Reimbursement will only be authorized for safety footwear that conforms to the ASTM F2412-05 or ASTM F2413-05 standard. The ASTM designation must appear on the shoe tag or the box.
4. Reimbursement shall be authorized and payable after the 90-day orientation period upon the completion of a safety shoes reimbursement form with original receipt attached and returned to the employee's respective manager for approval.

Other employees within the organization may become eligible for reimbursement of safety footwear or be provided with additional monies at the discretion of their manager.

Exception: Visitors (i.e. salesmen, customers, auditors) whose visit is cursory in nature and for a limited period are not required to wear safety footwear provided that the person(s) are not conducting physical work and remains in designated aisles.

Document No.: EHS-WI-001	Revision Date: 2/2/2022	Revision No.: 003	
Document Title: PERSONAL PROTECTIVE EQUIPMENT PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/2/2022	

**APPENDIX B
SAFETY FOOTWEAR REIMBURSEMENT POLICY AND FORM**

This is a request for reimbursement for safety footwear purchased under the safety footwear program.

The **original receipt** for purchase is attached.

Amount to be reimbursed \$ _____ (purchase price including tax). Maximum reimbursement amount not-to-exceed \$90.00 (safety footwear plus tax) within the specific approved time period.


I understand reimbursement will be authorized and payable after my 90-day orientation period.

Employee's Name (Printed)

Employee's Signature

Date


Manager's Signature

Document No.: EHS-WI-001	Revision Date: 2/2/2022	Revision No.: 003	
Document Title: PERSONAL PROTECTIVE EQUIPMENT PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/2/2022	

APPENDIX C GLOVE SELECTION GUIDE

Below is a summary of the various types of gloves available and their intended use.


Glove Material	Intended Use	Advantages and Disadvantages	Example
Latex (natural rubber)	Incidental Contact	Poor for organic solvents. Little chemical protection. Hard to detect puncture holes. May cause or trigger latex allergies.	
Nitrile	Incidental contact or extended contact (thicker reusable glove).	Excellent general use glove. Good for solvents, oils, greases, and some acids and bases. Clear indication of tears and breaks.	
Butyl Rubber	Extended Contact	Good for ketones and esters. Poor for gasoline and aliphatic, aromatic and halogenated hydrocarbons.	
Neoprene	Extended Contact	Good for acids, bases, alcohols, fuels, peroxides, hydrocarbons, and phenols. Poor for halogenated and aromatic hydrocarbons. Good for most hazardous chemicals.	
Viton	Extended Contact	Good for chlorinated and aromatic solvents. Good resistant to cuts and abrasions. Poor for ketones.	
Kevlar or Leather	Cut-Resistant	Good when moving materials around or working with cardboard, drums, or other containers.	

Document No.: EHS-WI-001	Revision Date: 2/2/2022	Revision No.: 003	
Document Title: PERSONAL PROTECTIVE EQUIPMENT PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/2/2022	

**APPENDIX D
PERSONAL PROTCTIVE EQUIPMENT TRIANING PROTOCOL**

PURPOSE	To ensure employees conducting work are properly protected from the hazards associated with the task being performed or the environment present.
SCOPE	Employees conducting work in areas that have been identified as requiring specific personal protective equipment.
REQUIREMENT	Training is required at the initial time of use. No reoccurring training is required.
EQUIPMENT	<p>Employees shall be knowledgeable in personal protective equipment including, but not limited to:</p> <ul style="list-style-type: none"> • Safety Glasses/Goggles/Face Shields • Safety Shoes • Gloves (Various Types) • Hearing Protection (Various Types) • Tyvek/Tychem Coveralls (Various Types)
TRAINING MATERIALS	<p>The below materials should be used to meet the training requirements:</p> <ul style="list-style-type: none"> • PPE Training Video • PPE Training Video Quiz
TRAINING TOPICS	<p>The elements covered within the training program includes:</p> <ul style="list-style-type: none"> • When is personal protective equipment necessary? • The type of personal protective equipment necessary. • The proper use of personal protective equipment. • The limitations of personal protective equipment. • The proper care and maintenance of personal protective equipment. • The proper useful life and disposal of personal protective equipment.
DOCUMENTATION	Maintain the sign-in sheet and completed quiz as documentation of training and comprehension.
ADDITIONAL COMMENTS	<p>It should be noted that training for dust mask and air-purifying respirators are addressed under separate training. In addition, it has been determined that a hearing conservation program is not required at the organization and therefore, hearing protection is only provided on a voluntary basis for employee use.</p> <p>Situations may occur during non-routine tasks when additional personal protective equipment may be required. These will be addressed on a case-by-case basis.</p>

Enviro-Safe Resource Recovery
Appendix M-02 - Respiratory Protection Plan

Document No.: EHS-WI-017	Revision Date: 2/1/2022	Revision No.: 002	
Document Title: RESPIRATOR PROTECTION - VOLUNTARY USE PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/1/2022	

1.0 PURPOSE

- 1.1 The purpose of this plan is to ensure the protection of employee's health even though it has been determined that respirators including filtering face pieces (dust masks) are not required to be used at the organization.
- 1.2 Engineering controls such as ventilation and substitution for less toxic materials are the first line of defense within the organization. However, when engineering controls are not feasible or do not completely control the identified hazards, respiratory protection maybe required.

2.0 SCOPE

- 2.1 This program applies to all employees who choose to wear a respirator or filtering face piece (dust mask) on a voluntary basis.
- 2.2 Employees participating in the respiratory protection program do so at no cost to them. The expense associated with medical evaluations, training, fit testing and respiratory protection equipment will be borne by the organization.

3.0 LEGAL COMPLIANCE

- 3.1 This program has been prepared in accordance with OSHA 29 CFR 1910.134 governing the use of respirators within the workplace.

4.0 DEFINITIONS


- 4.1 Air-Purifying Respirator. A respirator with an air-purifying filter, cartridge, or canister that removes specific air contaminants by passing ambient air through the air-purifying element.
- 4.2 Filtering Facepiece (Dust Mask). A negative pressure particulate respirator with a filter as an integral part of the facepiece or with the entire facepiece composed of the filtering medium.

5.0 ORGANIZATION AND PERSONNEL RESPONSIBILITIES

- 5.1 Operation Manager. The Operation Manager shall be the designated Program Administrator, along with Technical Service Manager, shall be responsible for implementing and enforcing the respirator protection requirements at the facility. This includes providing the appropriate respiratory protection, ensuring user are medically cleared to use such equipment, ensuring they have been property fit-tested when necessary, and training employees in their use.
- 5.2 Technical Service Manager. The Technical Service Manager, along with Operation Manager, shall be responsible for implementing and enforcing the respirator protection requirements at the facility. This includes providing the appropriate respiratory protection, ensuring user are medically cleared to use such equipment, ensuring they have been property fit-tested when necessary, and training employees in their use.
- 5.3 Employees. Employees are responsible for following the requirements of the respiratory protection program, which include, but are not limited to, wearing their respirator in the manner in which they were trained, care for and maintain their respirators as instructed, and store their respirator appropriately.

6.0 VOLUTARY USE OF RESPIRATORS

- 6.1 Employees who voluntarily wear filtering face pieces (dust masks) are not subject to the medical evaluation or fit-testing provisions of this program. However, the Dust Mask Voluntary Respirator Training Protocol must be followed which includes the acknowledgement of the Dust Mask Voluntary Use Information.

Document No.: EHS-WI-017	Revision Date: 2/1/2022	Revision No.: 002	
Document Title: RESPIRATOR PROTECTION - VOLUNTARY USE PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/1/2022	

6.2 The Program Administrator shall authorize voluntary use of all other respiratory protective equipment, as requested by employee's, on a case-by-case basis. Authorization will depend on specific workplace conditions and the results of the employee's medical evaluation. Voluntary respiratory users are subject to all elements of this Respirator Protection Program.

6.0 HAZARD EXPOSURE ASSESSMENT

6.1 A hazard assessment has been conducted and it has been determined that respirators including filtering face pieces (dust masks) are not required for any activities conducted on-site. However, the organization will allow the use of air-purifying respirators and filtering face pieces (dust masks) on a voluntary use basis by employees.

6.2 The hazardous assessment and determination was based upon effective engineering controls established within the workplace, knowledge of the work being performed, chemicals and materials handled, and actual industrial hygiene air monitoring test results. The hazard assessment shall be reviewed when changes become present within the workplace.

7.0 RESPIRATOR SELECTION PROCEDURE

7.1 The appropriate air-purifying and filtering face piece (dust mask) to be used by employees shall be selected by organization on a voluntary basis.

7.2 The below listed respirators have been selected for use at the organization:

Respirator	Required or Voluntary	Contaminate	Respirator Selection
Filtering Face Piece (Disposal Dust Mask)	Voluntary	Particulate Matter (Dust)	3M 8271 P95 Particulate
Half-Mask Air-Purifying Respirator	Voluntary	Organic Vapors and Particulate Matter	3M 6000 Series Half-Mask Air-Purifying Respirator with Vapor Organic Cartridge and N95 Filter


7.3 All respirators used shall be certified by the National Institute for Occupational Safety and Health (NIOSH) and shall be used in accordance with the terms of that certification. Also, all filters, cartridges, and canisters must be labeled with the appropriate NIOSH approval label. The label must not be removed or defaced at any time while it is in use. The respirators and filtering face piece (dust mask) will be made available to employees at no cost.

8.0 MEDICAL EVALUATION

8.1 Employees who choose to wear an air-purifying respirator voluntarily must pass a medical evaluation prior to being permitted to wear a respirator while performing work. Employees are not permitted to wear respirators until a physician has determined that they are medically able to do so. Any employee refusing the medical evaluation will not be allowed to work in an area requiring respirator use.

8.2 A licensed physician will provide the medical evaluations. Medical evaluation procedures are as follows:

- The medical evaluation will be conducted using a questionnaire compliant with the Respiratory Protection standard. The organization shall provide a copy of this questionnaire to all employees to be completed and routed to the consulting physician. Employees will be permitted to complete the questionnaire on company time.

Document No.: EHS-WI-017	Revision Date: 2/1/2022	Revision No.: 002	
Document Title: RESPIRATOR PROTECTION - VOLUNTARY USE PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/1/2022	

- To the extent feasible, the organization shall assist employees who are unable to read the questionnaire (providing help in reading the questionnaire). When this is not possible, the employee will be sent directly to the physician for medical evaluation.
- Follow-up medical exams will be granted to employees as required by the standard, and/or as deemed necessary by the consulting physician.
- All employees will be granted the opportunity to speak with the physician about their medical evaluation, if requested.

8.3 The person scheduling the appointment shall ensure the consulting physician is provided with a copy of the written program, a copy of the respiratory protection standard, identification of hazardous substance exposure, and for each employee requiring evaluation:

- their area or job title,
- proposed respirator type and weight, length of time required to wear respirator,
- expected physical work load (light, moderate, or heavy),
- potential temperature and humidity extremes, and
- any additional protective clothing required.

8.4 After an employee has received clearance and begun to wear their respirator, additional medical evaluations will be provided under the following circumstances:

- Employee reports signs and/or symptoms related to their ability to use a respirator, such as shortness of breath, dizziness, chest pains, or wheezing.
- The consulting physician or their direct supervisor informs the V.P. of Operations and Compliance that the employee needs to be reevaluated.
- Information from this program, including observations made during fit testing and program evaluation, indicates a need for re-evaluation.
- A change occurs in workplace conditions that may result in an increased physiological burden on the employee.


8.5 All examinations and questionnaires are to remain confidential between the employee and the physician. A Medical Clearance Form for each employee will be the only documentation provided to the organization by the consulting physician.

9.0 FIT TESTING

9.1 Fit testing is required for employees voluntarily wearing air-purifying respirators.

9.2 Employees who voluntarily wear air-purifying respirators shall be fit tested prior to being allowed to wear any respirator with a tight-fitting face piece and annually thereafter. A new fit test is also required when there are changes in the employee's physical condition that could affect respiratory fit (e.g., obvious change in body weight, facial scarring, etc.).

9.3 Employees shall be fit tested with the make, model, and size of respirator that they will actually wear. Employees will be provided with several models and sizes of respirators so that they may find an optimal fit.

Document No.: EHS-WI-017	Revision Date: 2/1/2022	Revision No.: 002	
Document Title: RESPIRATOR PROTECTION - VOLUNTARY USE PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/1/2022	

9.3 The CEO, or their designate, will conduct fit tests following an OSHA or state approved method.

10.0 RESPIRATOR USE

10.1 Normal Use. Employees shall use their respirators under conditions specified by this program, and in accordance with the training received on the use of each particular model. In addition, the respirator shall not be used in a manner for which it is not certified by NIOSH or by its manufacturer.

Employees shall conduct user seal checks each time that they wear their respirator. Employees shall use either the positive or negative pressure check (depending on which test works best for them) specified in Appendix B-1 of the Respiratory Protection standard. Employees are not permitted to wear any items that may interfere with the face piece-to face seal.

10.2 Emergency Procedures. No foreseeable emergency conditions that would result in employee exposures to hazardous substances are expected to occur since employees are not allowed to respond to emergencies involving hazardous chemicals. In the event a hazardous substance is involved in an emergency situation, employees are to evacuate the area immediately and call 911. The organization's Emergency Management Plan should be consulted for specific emergency response procedures.

10.3 Respirator Malfunction. For any malfunction of an air purifying respirator, such as vapor breakthrough, face leakage, or improperly working valve, the respirator wearer shall leave the area where the hazard is present immediately. The respirator shall not be used until properly functioning.


10.4 IDLH Procedures. Although respirators provide protection from exposure to air contaminants, employees are prohibited from entering any work area in which conditions exist that are immediately dangerous to life and health, including rescue operations.

11.0 CLEANING, MAINTENANCE AND CHANGE SCHEDULE AND STORAGE

11.1 Cleaning. Respirators are to be regularly cleaned and disinfected. Respirators issued for the exclusive use of an employee shall be cleaned as often as necessary, but at least once after each shift.

When cleaning and disinfecting respirators, conduct the following:

- Disassemble respirator, removing any filters, canisters, or cartridges.
- Wash the face piece and associated parts with mild detergent with warm water. Do not use organic solvents.
- Rinse completely in clean, warm water.
- Wipe the respirator with disinfectant wipes (70% Isopropyl Alcohol) to kill germs.
- Air-dry in a clean area.
- Reassemble the respirator and replace any defective parts.
- Place in a clean, dry, plastic bag or other airtight container.

Document No.: EHS-WI-017	Revision Date: 2/1/2022	Revision No.: 002	
Document Title: RESPIRATOR PROTECTION - VOLUNTARY USE PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/1/2022	

Note: The Operation Manager shall ensure an adequate supply of appropriate cleaning and disinfecting materials are available for employee's use.

- 11.2 Maintenance. Respirators are to be properly maintained at all times in order to ensure that they function properly and adequately protect the employee. Maintenance involves a thorough visual inspection for cleanliness and defects. Worn or deteriorated parts will be replaced prior to use.

No components will be replaced or repairs made beyond those recommended by the manufacturer. Some of the items to check shall include the face piece, head straps, valves, filters, and cartridges.

Employees shall be permitted to leave the work area to maintain their respirator such as to clean their respirator if the respirator is impeding their ability to work or to change filters or cartridges, replace parts, or to inspect the respirator if it stops functioning as intended.


- 11.3 Change Schedules. If a cartridge air-purifying respirator is being used for protection against gases and/or vapors and does not have an End-Of-Service-Life Indicator (ESLI), then a cartridge change schedule must be established. The change schedule must be based on objective information that will ensure that the cartridges are changed before the end of their service life. The data and information relied upon to establish the schedule must be documented.
- 11.4 Storage. Respirators must be stored in a clean, dry area, and in accordance with manufacturer's recommendations. Each employee will clean and inspect their own respirator in accordance with the provisions of this program and will store their respirator in a plastic bag when not in immediate use. Each employee will have their name on the container and that container will only be used to store that employee's respirator.
- 11.5 Defective Respirators
Respirators that are defective or have defective parts shall be taken out of service immediately and discarded. The employee should contact the Operation Manager or Technical Service Manager to request a new respirator.

12.0 TRAINING

- 12.1 The Operation Manager, or their designate, will provide training to respirator users on the contents of the organization's Respiratory Protection Program, their responsibilities under the program, and on the OSHA Respiratory Protection Standard. Employees will be trained prior to using a respirator in the workplace.
- 12.2 The training shall include the Respiratory Protection Standard, elements of the organization's Respiratory Protection Program, respiratory hazards encountered and their health effects, proper selection and use of respirators, limitations of respirators, respirator donning and user seal checks, fit testing, emergency use procedure, maintenance and storage, and medical signs and symptoms limiting the effective use of a respirator.
- 12.3 Employees will be retrained annually or as needed (e.g., if they change departments and need to use a different respirator). Training shall be documented.

13.0 PROGRAM EVALUATION

- 13.1 The Operation Manager, or their designate, will conduct periodic evaluations of the workplace to ensure that the provisions of this program are being implemented. The evaluations will include regular consultations with employees who use respirators, site inspections, air monitoring, and/or a review of the records.

Document No.: EHS-WI-017	Revision Date: 2/1/2022	Revision No.: 002	
Document Title: RESPIRATOR PROTECTION - VOLUNTARY USE PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/1/2022	

13.2 Problems identified will be documented and a plan established to correct deficiencies in the respirator program and target dates for the implementation of those corrections.

14.0 DOCUMENTATION AND RECORDKEEPING

14.1 A written copy of this program and the standard shall be maintained electronically and available to all employees upon request. Employee medical clearance, fit-testing and training records shall be maintained in the in accordance with the records management procedure established within the organization.

15.0 RELATED DOCUMENTS


- 15.1 Appendix A - Industrial Air Monitoring Reports
- 15.2 Appendix B - Hazard Exposure Assessment
- 15.2 Appendix C - OSHA Voluntary Use Respirator Information (OSHA 1910.134 Appendix D)
- 15.3 Appendix D - Respirator Protection: Dust Mask Voluntary Use Training Protocol
- 15.4 Appendix E - Respirator Protection: Half-Mask Respirator Training Protocol
- 15.5 Appendix F - Manufacturer Respirator Information

16.0 REFERENCED DOCUMENTS

- 16.1 Respiratory Protection Standard (OSHA 1910.134)
- 16.2 Fit Testing Procedure (OSHA 1910.134 Appendix A)
- 16.3 User Seal Check Procedure (OSHA 1910.134 Appendix B-1)
- 16.4 Respiratory Cleaning Procedure (OSHA 1910.134 Appendix B-2)
- 16.5 Medical Evaluation Questionnaire (OSHA 1910.134 Appendix C)
- 16.6 Information for Employees Using Respirators When Not Required Under the Standard (OSHA 1910.134 Appendix D)

17.0 REVISIONS

Date	Revision	Revised By
3/28/2016	New Document	D. Zellmer
8/31/2017	Reviewed and updated to include the voluntary use of air-purifying respirators.	D. Zellmer
2/1/2022	Updated to reflect current responsibilities.	D. Zellmer

Document No.: EHS-WI-017	Revision Date: 2/1/2022	Revision No.: 002	
Document Title: RESPIRATOR PROTECTION - VOLUNTARY USE PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/1/2022	


**APPENDIX A
INDUSTRIAL AIR MONITORING REPORTS**

Industrial Air Monitoring Reports are maintained electronically and available upon request from the Operation Manager.

Wisconsin State Laboratory of Hygiene - Wisconsin OSHA
Consultation Program - November 10, 2015



2015 Industrial
Monitoring Report -

Document No.: EHS-WI-017	Revision Date: 2/1/2022	Revision No.: 002	
Document Title: RESPIRATOR PROTECTION - VOLUNTARY USE PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/1/2022	

**APPENDIX B
RESPIRATOR HAZARD EXPOSURE ASSESSMENT
LABORATORY - CHEMISTS AND TECHNICIANS**

The primary risk when working in the laboratory is dealing with hazardous chemicals that come in as samples for analysis. Various characterization tests are performed which may expose those in the room to chemical splashes, projectiles, fires, vapor formation, or other hazards. For this reason, respiratory protection may be required.

TYPICAL WORK ACTIVITIES:

<input checked="" type="checkbox"/> Sampling	<input type="checkbox"/> Haz Waste - Consolidation/Bulking	<input type="checkbox"/> Haz Waste - Aerosol Can Puncturing
<input type="checkbox"/> Solid Waste - Consolidation/Bulking	<input type="checkbox"/> Haz Waste - Elementary Neutralization	<input type="checkbox"/> Haz Waste - Fuel Blending
<input type="checkbox"/> Solid Waste - Labpack Depacking	<input type="checkbox"/> Haz Waste - Labpack Depacking	<input type="checkbox"/> Other

HAZARDOUS MATERIAL(S) USAGE/EXPOSURE:

<input type="checkbox"/> Mist	<input type="checkbox"/> Acid Gas Vapors	<input type="checkbox"/> Mercury Vapors
<input checked="" type="checkbox"/> Dust Particulate	<input type="checkbox"/> Ammonia	<input type="checkbox"/> Chlorine Gas
<input type="checkbox"/> Fumes	<input type="checkbox"/> Methylamine	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Organic Vapors	<input type="checkbox"/> Formaldehyde	

EXPECTED PHYSICAL WORK EFFORT:

<input type="checkbox"/> Heavy Work	<input type="checkbox"/> Moderate Work	<input checked="" type="checkbox"/> Light Work
-------------------------------------	--	--

TEMPERATURE AND HUMIDITY ENCOUNTERED:

<input type="checkbox"/> Extreme Heat	<input type="checkbox"/> Extreme Cold	<input type="checkbox"/> Light Work
---------------------------------------	---------------------------------------	-------------------------------------

HAZARD ENGINEERING CONTROLS:

<input checked="" type="checkbox"/> Fume Hood	<input type="checkbox"/> Gas Detection System	<input type="checkbox"/> Ventilation System (6-Air Exchanges)
---	---	---

RESPIRATOR USE:

IH TESTING CONDUCTED:

<input checked="" type="checkbox"/> Voluntary Use <input type="checkbox"/> Mandatory Use	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
--	---

RESPIRATOR TYPE (check all that apply):

<input checked="" type="checkbox"/> Dust Mask	<input checked="" type="checkbox"/> Full-Face Air Purifying Mask	Other:
<input type="checkbox"/> Half-Mask Air Purifying Mask	<input type="checkbox"/> Air Supplied Respirator	

RESPIRATOR CARTRIDGES (check all that apply):


<input checked="" type="checkbox"/> Organic Vapor (Black)	<input type="checkbox"/> Ammonia/Methylamine (Green)	<input type="checkbox"/> Mercury Vapor/Chlorine Gas (Orange)
<input type="checkbox"/> Acid Gases (White)	<input type="checkbox"/> Multi-Gas/Vapor (Olive)	<input type="checkbox"/> Formaldehyde/Organic Vapor
<input type="checkbox"/> Organic Vapor/Acid Gases (Yellow)	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Particulate Filter

DURATION AND FREQUENCY OF RESPIRATOR USE:

<input type="checkbox"/> Full Shift (4-8 hours/day)	<input type="checkbox"/> Moderate Use (1-4 hours/day)	<input type="checkbox"/> Low Use (<1 hour/day)
<input type="checkbox"/> High Use (daily or weekly)	<input checked="" type="checkbox"/> Moderate Use (monthly)	<input type="checkbox"/> Infrequent use (less than monthly)

CERTIFICATION

I certify that the respiratory protection hazard assessment has been performed to the best of my knowledge and ability based upon the hazards present at the time the assessment was performed.			
Name:	Dawn Zellmer	Date:	March 31, 2022

Document No.: EHS-WI-017	Revision Date: 2/1/2022	Revision No.: 002	
Document Title: RESPIRATOR PROTECTION - VOLUNTARY USE PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/1/2022	

**APPENDIX B
RESPIRATOR HAZARD EXPOSURE ASSESSMENT
OPERATOR - RECEIVING**

The primary risk when conducting receiving operations is the exposure to chemical splashes, vapors, dust, and other hazards while conducting sampling and other receiving activities. For this reason, respiratory protection may be required.

TYPICAL WORK ACTIVITIES:

<input checked="" type="checkbox"/> Sampling	<input type="checkbox"/> Haz Waste - Consolidation/Bulking	<input type="checkbox"/> Haz Waste - Aerosol Can Puncturing
<input type="checkbox"/> Solid Waste - Consolidation/Bulking	<input type="checkbox"/> Haz Waste - Elementary Neutralization	<input type="checkbox"/> Haz Waste - Fuel Blending
<input type="checkbox"/> Solid Waste - Labpack Depacking	<input type="checkbox"/> Haz Waste - Labpack Depacking	<input type="checkbox"/> Other

HAZARDOUS MATERIAL(S) USAGE/EXPOSURE:

<input type="checkbox"/> Mist	<input type="checkbox"/> Acid Gas Vapors	<input type="checkbox"/> Mercury Vapors
<input checked="" type="checkbox"/> Dust Particulate	<input type="checkbox"/> Ammonia	<input type="checkbox"/> Chlorine Gas
<input type="checkbox"/> Fumes	<input type="checkbox"/> Methylamine	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Organic Vapors	<input type="checkbox"/> Formaldehyde	

EXPECTED PHYSICAL WORK EFFORT:

<input type="checkbox"/> Heavy Work	<input type="checkbox"/> Moderate Work	<input checked="" type="checkbox"/> Light Work
-------------------------------------	--	--

TEMPERATURE AND HUMIDITY ENCOUNTERED:

<input type="checkbox"/> Extreme Heat	<input type="checkbox"/> Extreme Cold	<input type="checkbox"/> Light Work
---------------------------------------	---------------------------------------	-------------------------------------

HAZARD ENGINEERING CONTROLS:

<input type="checkbox"/> Fume Hood	<input type="checkbox"/> Gas Detection System	<input type="checkbox"/> Ventilation System (6-Air Exchanges)
------------------------------------	---	---

RESPIRATOR USE:

IH TESTING CONDUCTED:

<input checked="" type="checkbox"/> Voluntary Use <input type="checkbox"/> Mandatory Use	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
--	---

RESPIRATOR TYPE (check all that apply):

<input checked="" type="checkbox"/> Dust Mask	<input checked="" type="checkbox"/> Full-Face Air Purifying Mask	Other:
<input type="checkbox"/> Half-Mask Air Purifying Mask	<input type="checkbox"/> Air Supplied Respirator	

RESPIRATOR CARTRIDGES (check all that apply):


<input checked="" type="checkbox"/> Organic Vapor (Black)	<input type="checkbox"/> Ammonia/Methylamine (Green)	<input type="checkbox"/> Mercury Vapor/Chlorine Gas (Orange)
<input type="checkbox"/> Acid Gases (White)	<input type="checkbox"/> Multi-Gas/Vapor (Olive)	<input type="checkbox"/> Formaldehyde/Organic Vapor
<input type="checkbox"/> Organic Vapor/Acid Gases (Yellow)	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Particulate Filter

DURATION AND FREQUENCY OF RESPIRATOR USE:

<input type="checkbox"/> Full Shift (4-8 hours/day)	<input type="checkbox"/> Moderate Use (1-4 hours/day)	<input type="checkbox"/> Low Use (<1 hour/day)
<input type="checkbox"/> High Use (daily or weekly)	<input checked="" type="checkbox"/> Moderate Use (monthly)	<input type="checkbox"/> Infrequent use (less than monthly)

CERTIFICATION

I certify that the respiratory protection hazard assessment has been performed to the best of my knowledge and ability based upon the hazards present at the time the assessment was performed.			
Name:	Dawn Zellmer	Date:	March 31, 2022

Document No.: EHS-WI-017	Revision Date: 2/1/2022	Revision No.: 002	
Document Title: RESPIRATOR PROTECTION - VOLUNTARY USE PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/1/2022	

**APPENDIX B
RESPIRATOR HAZARD EXPOSURE ASSESSMENT
OPERATOR - SOLID WASTE**

The primary risk when working with solid waste during consolidation, bulking and lab pack/depacking operations is the exposure to dust particulate and potentially odorous waste. For this reason, respiratory protection may be required.

TYPICAL WORK ACTIVITIES:

<input checked="" type="checkbox"/> Sampling	<input type="checkbox"/> Haz Waste - Consolidation/Bulking	<input type="checkbox"/> Haz Waste - Aerosol Can Puncturing
<input checked="" type="checkbox"/> Solid Waste - Consolidation/Bulking	<input type="checkbox"/> Haz Waste - Elementary Neutralization	<input type="checkbox"/> Haz Waste - Fuel Blending
<input checked="" type="checkbox"/> Solid Waste - Labpack Depacking	<input type="checkbox"/> Haz Waste - Labpack Depacking	<input type="checkbox"/> Other

HAZARDOUS MATERIAL(S) USAGE/EXPOSURE:

<input type="checkbox"/> Mist	<input type="checkbox"/> Acid Gas Vapors	<input type="checkbox"/> Mercury Vapors
<input checked="" type="checkbox"/> Dust Particulate	<input type="checkbox"/> Ammonia	<input type="checkbox"/> Chlorine Gas
<input type="checkbox"/> Fumes	<input type="checkbox"/> Methylamine	<input type="checkbox"/> Other
<input type="checkbox"/> Organic Vapors	<input type="checkbox"/> Formaldehyde	

EXPECTED PHYSICAL WORK EFFORT:

<input type="checkbox"/> Heavy Work	<input checked="" type="checkbox"/> Moderate Work	<input type="checkbox"/> Light Work
-------------------------------------	---	-------------------------------------

TEMPERATURE AND HUMIDITY ENCOUNTERED:

<input type="checkbox"/> Extreme Heat	<input type="checkbox"/> Extreme Cold	<input type="checkbox"/> Light Work
---------------------------------------	---------------------------------------	-------------------------------------

HAZARD ENGINEERING CONTROLS:

<input type="checkbox"/> Fume Hood	<input type="checkbox"/> Gas Detection System	<input type="checkbox"/> Ventilation System (6-Air Exchanges)
------------------------------------	---	---

RESPIRATOR USE:

IH TESTING CONDUCTED:

<input checked="" type="checkbox"/> Voluntary Use <input type="checkbox"/> Mandatory Use	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
--	---

RESPIRATOR TYPE (check all that apply):

<input checked="" type="checkbox"/> Dust Mask	<input checked="" type="checkbox"/> Full-Face Air Purifying Mask	Other:
<input type="checkbox"/> Half-Mask Air Purifying Mask	<input type="checkbox"/> Air Supplied Respirator	

RESPIRATOR CARTRIDGES (check all that apply):


<input type="checkbox"/> Organic Vapor (Black)	<input type="checkbox"/> Ammonia/Methylamine (Green)	<input type="checkbox"/> Mercury Vapor/Chlorine Gas (Orange)
<input type="checkbox"/> Acid Gases (White)	<input type="checkbox"/> Multi-Gas/Vapor (Olive)	<input type="checkbox"/> Formaldehyde/Organic Vapor
<input type="checkbox"/> Organic Vapor/Acid Gases (Yellow)	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Particulate Filter

DURATION AND FREQUENCY OF RESPIRATOR USE:

<input type="checkbox"/> Full Shift (4-8 hours/day)	<input type="checkbox"/> Moderate Use (1-4 hours/day)	<input type="checkbox"/> Low Use (<1 hour/day)
<input type="checkbox"/> High Use (daily or weekly)	<input checked="" type="checkbox"/> Moderate Use (monthly)	<input type="checkbox"/> Infrequent use (less than monthly)

CERTIFICATION

I certify that the respiratory protection hazard assessment has been performed to the best of my knowledge and ability based upon the hazards present at the time the assessment was performed.			
Name:	Dawn Zellmer	Date:	March 31, 2022

Document No.: EHS-WI-017	Revision Date: 2/1/2022	Revision No.: 002	
Document Title: RESPIRATOR PROTECTION - VOLUNTARY USE PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/1/2022	

**APPENDIX B
RESPIRATOR HAZARD EXPOSURE ASSESSMENT
OPERATOR – HAZARDOUS WASTE**

The primary risk when working with hazardous waste during consolidation, bulking, lab pack/depacking, elementary neutralization and aerosol can puncturing operations is the exposure to chemical splashes, vapors, dust, and other hazards. For this reason, respiratory protection may be required.

TYPICAL WORK ACTIVITIES:

<input checked="" type="checkbox"/> Sampling	<input checked="" type="checkbox"/> Haz Waste - Consolidation/Bulking	<input checked="" type="checkbox"/> Haz Waste - Aerosol Can Puncturing
<input type="checkbox"/> Solid Waste - Consolidation/Bulking	<input checked="" type="checkbox"/> Haz Waste - Elementary Neutralization	<input checked="" type="checkbox"/> Haz Waste - Fuel Blending
<input type="checkbox"/> Solid Waste - Labpack Depacking	<input checked="" type="checkbox"/> Haz Waste - Labpack Depacking	<input type="checkbox"/> Other

HAZARDOUS MATERIAL(S) USAGE/EXPOSURE:

<input type="checkbox"/> Mist	<input checked="" type="checkbox"/> Acid Gas Vapors	<input type="checkbox"/> Mercury Vapors
<input checked="" type="checkbox"/> Dust Particulate	<input checked="" type="checkbox"/> Ammonia	<input type="checkbox"/> Chlorine Gas
<input type="checkbox"/> Fumes	<input type="checkbox"/> Methylamine	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Organic Vapors	<input type="checkbox"/> Formaldehyde	

EXPECTED PHYSICAL WORK EFFORT:

<input type="checkbox"/> Heavy Work	<input checked="" type="checkbox"/> Moderate Work	<input type="checkbox"/> Light Work
-------------------------------------	---	-------------------------------------

TEMPERATURE AND HUMIDITY ENCOUNTERED:

<input type="checkbox"/> Extreme Heat	<input type="checkbox"/> Extreme Cold	<input type="checkbox"/> Light Work
---------------------------------------	---------------------------------------	-------------------------------------

HAZARD ENGINEERING CONTROLS:

<input type="checkbox"/> Fume Hood	<input checked="" type="checkbox"/> Gas Detection System	<input checked="" type="checkbox"/> Ventilation System (6-Air Exchanges)
------------------------------------	--	--

RESPIRATOR USE:

IH TESTING CONDUCTED:

<input checked="" type="checkbox"/> Voluntary Use <input type="checkbox"/> Mandatory Use	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
--	---

RESPIRATOR TYPE (check all that apply):

<input checked="" type="checkbox"/> Dust Mask	<input checked="" type="checkbox"/> Full-Face Air Purifying Mask	Other:
<input type="checkbox"/> Half-Mask Air Purifying Mask	<input type="checkbox"/> Air Supplied Respirator	

RESPIRATOR CARTRIDGES (check all that apply):


<input checked="" type="checkbox"/> Organic Vapor (Black)	<input type="checkbox"/> Ammonia/Methylamine (Green)	<input type="checkbox"/> Mercury Vapor/Chlorine Gas (Orange)
<input checked="" type="checkbox"/> Acid Gases (White)	<input type="checkbox"/> Multi-Gas/Vapor (Olive)	<input type="checkbox"/> Formaldehyde/Organic Vapor
<input checked="" type="checkbox"/> Organic Vapor/Acid Gases (Yellow)	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Particulate Filter

DURATION AND FREQUENCY OF RESPIRATOR USE:

<input type="checkbox"/> Full Shift (4-8 hours/day)	<input type="checkbox"/> Moderate Use (1-4 hours/day)	<input type="checkbox"/> Low Use (<1 hour/day)
<input type="checkbox"/> High Use (daily or weekly)	<input checked="" type="checkbox"/> Moderate Use (monthly)	<input type="checkbox"/> Infrequent use (less than monthly)

CERTIFICATION

I certify that the respiratory protection hazard assessment has been performed to the best of my knowledge and ability based upon the hazards present at the time the assessment was performed.			
Name:	Dawn Zellmer	Date:	March 31, 2022

Document No.: EHS-WI-017	Revision Date: 2/1/2022	Revision No.: 002	
Document Title: RESPIRATOR PROTECTION - VOLUNTARY USE PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/1/2022	

**APPENDIX C
OSHA VOLUNTARY USE RESPIRATOR INFORMATION**

**Mandatory Information for Employees Using Respirators When Not Required
Under the Standard**

To the employee:

The following information is being provided, as required under the Respiratory Standard, for the voluntary use of respirators for protection against airborne contaminants. Employees using respirators on a voluntary basis are required to comply with the information provided within.

Respirators are an effective method of protection against designated hazards when properly selected and worn. Respirator use is encouraged, even when exposures are below the exposure limit, to provide an additional level of comfort and protection for workers. However, if a respirator is used improperly or not kept clean, the respirator itself can become a hazard to the worker. Sometimes, workers may wear respirators to avoid exposures to hazards, even if the amount of hazardous substance does not exceed the limits set by OSHA standards. If your employer provides respirators for your voluntary use, or if you provide your own respirator, you need to take certain precautions to be sure that the respirator itself does not present a hazard.


You should do the following:

1. Read and heed all instructions provided by the manufacturer on use, maintenance, cleaning and care, and warnings regarding the respirator's limitations.
2. Choose respirators certified for use to protect against the contaminant of concern. NIOSH, the National Institute for Occupational Safety and Health of the U.S. Department of Health and Human Services, certifies respirators. A label or statement of certification should appear on the respirator or respirator packaging. It will tell you what the respirator is designed for and how much it will protect you.
3. Do not wear your respirator into atmospheres containing contaminants for which your respirator is not designed to protect against. For example, a respirator designed to filter dust particles will not protect you against gases, vapors, or very small solid particles of fumes or smoke.
4. Keep track of your respirator so that you do not mistakenly use someone else's respirator.

Name


Signature

Date

Document No.: EHS-WI-017	Revision Date: 2/1/2022	Revision No.: 002	
Document Title: RESPIRATOR PROTECTION - VOLUNTARY USE PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/1/2022	


**APPENDIX D
RESPIRATOR PROTECTION: DUST MASK VOLUNTARY USE PROTOCOL**

PURPOSE	To ensure employees using dust masks on a voluntary basis are knowledgeable in their use, fit, storage and maintenance, as well as, limitations.
SCOPE	Exposure assessment, dust masks are used at the facility on a volunteer basis for protection against nuisance particles such as dust and debris at the discretion and upon the request of the employees.
REQUIREMENT	Training is required at the initial time of use. No reoccurring training is required.
EQUIPMENT	<p>Employees that are wear dust masks on a voluntary basis shall be issued the following equipment:</p> <ul style="list-style-type: none"> • 3M 8271 P95 Particulate • Dust Mask Storage Bag/Container
TRAINING MATERIALS	<p>The below materials should be used to meet the training requirements:</p> <ul style="list-style-type: none"> • Respirator Protection: Dust Mask Training Video • Respirator Protection: Dust Mask Training Video Quiz • Respirator Protection: Dust Mask Voluntary Use Acknowledgement • Respirator Protection: Wear It Right Handout
TRAINING TOPICS	<p>The elements covered within the training program includes:</p> <ul style="list-style-type: none"> • Why these guidelines are vital to your safety. • Your respiratory system. • Respiratory hazard. • Respirator selection, fit and inspection. • Respirator care, maintenance and storage.
DOCUMENTATION	Maintain the completed quiz and dust mask voluntary use acknowledgement form as documentation of training and comprehension.
ADDITIONAL COMMENTS	When an employee uses a respirator protection dust masks used on a voluntary basis, a medical evaluation and formal fit testing is not required.

Document No.: EHS-WI-017	Revision Date: 2/1/2022	Revision No.: 002	
Document Title: RESPIRATOR PROTECTION - VOLUNTARY USE PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/1/2022	

**APPENDIX E
RESPIRATOR PROTECTION - HALF MASK RESPIRATOR PROTOCOL**

- PURPOSE** To ensure employees using half-mask air-purifying respirators on a voluntary or mandatory basis are medically fit to wear the personal protective equipment, are equipped with a proper fitting respirator, and are knowledgeable in their use, fit, storage and maintenance.
- SCOPE** Based upon air monitoring data performed, half-mask air-purifying respirators with organic vapor and particulate filter cartridges are required when conducting paint spraying operations within the designated spray booths.
- REQUIREMENT** A medical evaluation is required prior to the use of a respirator and conduct thereafter based upon the recommendation of the treating physician (which is typically one year in duration). Fit testing and training is required at the initial time of use **AND** annually thereafter.
- EQUIPMENT** Employees that are required to conduct paint spraying operations within designated spray booths shall be issued the following equipment:
- 3M 6000 Series Half-Mask Air-Purifying Respirator
 - Organic Vapor Cartridge (Black) with N95 Filter
 - Respirator Storage Bag/Container
- MEDICAL EVALUATION** Prior to wearing respirator, employees must first be medically evaluated to determine under what conditions they can safely wear respirators using the mandatory questionnaire or an equivalent method. An appointment should be scheduled at:
- Concentra Medical Clinic
5500 W. Brown Deer Road, Suite 400
Milwaukee, WI 53223
Phone: (414) 355-4300
- Prior to the scheduled appointment, the employee should be provided and complete the **Concentra Respirator Medical Evaluation Form**.
- After the scheduled medical evaluation appointment, a determination will be provided stating if the employee is medically fit to wear a respirators and under what conditions. In addition, the next re-evaluation date will be established by the medical provider.
- RESPIRATOR FIT TEST** Prior to wearing a half-mask air-purifying respirator, a mask-to-face seal needs to be verified annually with a qualitative fit test procedure to determine whether the mask provides an acceptable fit to the employee.
- Fit testing will not be conducted on employees with facial hair that passes between the respirator seal and the face or interferes with valve function. Such facial hair includes stubble, beards and long sideburns.
- The fit testing shall be documented on the Fit Testing Record Form.

Document No.: EHS-WI-017	Revision Date: 2/1/2022	Revision No.: 002	
Document Title: RESPIRATOR PROTECTION - VOLUNTARY USE PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/1/2022	

TRAINING MATERIALS

The below materials should be used to meet the training requirements:

- Respirator Protection: Air-Purifying Training Video
- Respirator Protection: Air-Purifying Training Video Quiz
- OSHA General Respirator Protection Guidance Handout

TRAINING TOPICS

The elements covered within the training program includes:


- Why these guidelines are vital to your safety.
- Your respiratory system.
- Respiratory hazards and why it is necessary.
- Medical evaluations and recognized medical signs and symptoms related to respirator use.
- Respirator limitations and capabilities.
- Respirator selection, inspection, put on and remove, use and seal check.
- Respirator care, maintenance and storage.
- General requirements of the standard.

DOCUMENTATION

Maintain the medical clearance, fit testing confirmation, and completed quiz as documentation of compliance and training comprehension.



ADDITIONAL COMMENTS



Temporary employees who will conduct activities on-site that require the voluntary or mandatory use of a half-mask air-purifying respirator must comply with these requirements, as well.

Document No.: EHS-WI-017	Revision Date: 2/1/2022	Revision No.: 002	
Document Title: RESPIRATOR PROTECTION - VOLUNTARY USE PLAN			
Certified By: CEO/OPERATION MANAGER		Certified Date: 2/1/2022	

**APPENDIX F
MANUFACTURER RESPIRATOR INFORMATION and CHANGE SCHEDULE**

Below is information provided by the manufacturer for the use of the respirators being used within the organization, which includes a change-out schedule.

Respirator	Required or Voluntary	Respirator Selection	Manufacture Information
Filtering Face Piece (Disposal Dust Mask)	Voluntary	3M 8271 P95 Particulate	 Dust Mask Information.pdf
Full-Mask Air-Purifying Respirator	Voluntary	3M 6000 Series Half-Mask Air-Purifying Respirator with Vapor Organic Cartridge and N95 Filter	 Full Face Mask Information.pdf

Respirator	Required or Voluntary	Respirator Selection	Change Form
Filtering Face Piece (Disposal Dust Mask)	Voluntary	3M 8271 P95 Particulate	 Dust Mask Change Schedule.pdf
Full-Mask Air-Purifying Respirator	Voluntary	3M 6000 Series Half-Mask Air-Purifying Respirator with Vapor Organic Cartridge and N95 Filter	 Full-Mask Respirator Change S

APPENDIX N: APPENDIX INTENTIONALLY LEFT BLANK

Appendix intentionally left blank.

APPENDIX O: CERTIFICATE OF INSURANCE



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

7/29/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER R & R Insurance Services Inc N14 W23900 Stone Ridge Dr Waukesha WI 53188		CONTACT NAME: Deborah Madsen PHONE (A/C, No, Ext): (262)574-7000 FAX (A/C, No): (262)574-7080 E-MAIL ADDRESS: Debbie.Madsen@rrins.com	
INSURED Enviro Safe Consulting LLC d/b/a Enviro Safe Resource Recovery W130 N10500 Washington Dr Germantown WI 53022		INSURER(S) AFFORDING COVERAGE INSURER A: Starr Surplus Lines Insurance Company INSURER B: Starr Indemnity & Liability Company INSURER C: Encova Insurance INSURER D: INSURER E: INSURER F:	
		NAIC # 13604 38318 13331	

COVERAGES

CERTIFICATE NUMBER: CL2272931199

REVISION NUMBER:


THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:			1000067544221 CG2010 12-19 (AI Ongoing) CG2037 12-19 (AI-Comp Ops) SL 023 06-11 (PNC & WOS)	7/31/2022	7/31/2023	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 50,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000	
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			1000638046221 SICA-1017 09-19 (AI/PNC) SICA-1020 09-19 (WOS)	7/31/2022	7/31/2023	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$	
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$ 0			1000337735221 SL 100 10-08 (AI/PNC/WOS)	7/31/2022	7/31/2023	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000	
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	WCB1036286	7/31/2022	7/31/2023	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000	
A	Professional Liability			1000067544221	7/31/2022	7/31/2023	Each Wrongful Act	1,000,000
A	Transportation Pollution			1000067544221	7/31/2022	7/31/2023	Each Pollution Condition	1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Dawn Zellmer-Vilione & Jeffrey Vilione are Excluded from Workers Compensation Coverage

CERTIFICATE HOLDER**CANCELLATION**

For Information Only	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE Daniel Scheider/DM586 

© 1988-2014 ACORD CORPORATION. All rights reserved.

Additional Named Insureds

Other Named Insureds

Enviro Safe Transportation LLC

JDV Real Estate Holdings LLC

APPENDIX P: INCOMPATIBLE, REACTIVE AND IGNITABLE SEGREGATION AND COMPATIBILITY CHARTS

P-01 DOT Hazardous Material Load and Segregation Chart

P-02 Storage Compatibility Chart

Enviro-Safe Resource Recovery
Appendix P-01 – DOT Hazardous Material Load and Segregation Chart

HAZARDOUS MATERIALS LOAD AND SEGREGATION CHART

COMPATIBILITY TABLE FOR CLASS 1 (EXPLOSIVE) MATERIALS

COMPATIBILITY GROUP	A	B	C	D	E	F	G	H	J	K	L	N	S
A		X	X	X	X	X	X	X	X	X	X	X	X
B	X		X	X ⁽⁴⁾	X	X	X	X	X	X	X	X	4/5
C	X	X		2	2	X	6	X	X	X	X	3	4/5
D	X	X ⁽⁴⁾	2		2	X	6	X	X	X	X	3	4/5
E	X	X	2	2		X	6	X	X	X	X	3	4/5
F	X	X	X	X	X		X	X	X	X	X	X	4/5
G	X	X	6	6	6	X		X	X	X	X	X	4/5
H	X	X	X	X	X	X	X		X	X	X	X	4/5
J	X	X	X	X	X	X	X	X		X	X	X	4/5
K	X	X	X	X	X	X	X	X	X		X	X	4/5
L	X	X	X	X	X	X	X	X	X	X		1	X
N	X	X	3	3	3	X	X	X	X	X	X		4/5
S	X	4/5	4/5	4/5	4/5	4/5	4/5	4/5	4/5	4/5	X	4/5	

CLASS 1 EXPLOSIVE PLACARDS

DIVISIONS
1.1, 1.2 & 1.3



The Division number and compatibility group are printed in black ink where the * is shown. Placard any quantity of Division 1.1, 1.2 or 1.3 material.

* Division Numbers and Compatibility Group

- 1.1A 1.2B 1.2L
- 1.1B 1.2C 1.3C
- 1.1C 1.2D 1.3F
- 1.1D 1.2E 1.3G
- 1.1E 1.2F 1.3H
- 1.1F 1.2G 1.3J
- 1.1G 1.2H 1.3K
- 1.1J 1.2J 1.3L
- 1.1L 1.2K

DIVISION 1.4



The compatibility group is printed in black ink, where the * is shown. Placard 454 kg. (1,001 lbs.) or more of 1.4 Explosives.

* Compatibility Group

- B
- C
- D
- E
- F
- G
- S

§177.848

(g) Instructions for using the compatibility table for Class 1 (explosive) materials are as follows:

(1) A blank space in the Table indicates that no restrictions apply.

(2) The letter "X" in the Table indicates that explosives of different compatibility groups may not be carried on the same transport vehicle.

(3) The numbers in the Table mean the following:

(i) "1" means an explosive from compatibility group L shall only be carried on the same transport vehicle with an identical explosive.

(ii) "2" means any combination of explosives from compatibility groups C, D, or E is assigned to compatibility group E.

(iii) "3" means any combination of explosives from compatibility groups C, D, or E with those in compatibility group N is assigned to compatibility group D.

(iv) "4" means 'see §177.835(g)' when transporting detonators.

(v) "5" means Division 1.4S fireworks may not be loaded on the same transport vehicle with Division 1.1 or 1.2 (explosive) materials.

(vi) "6" means explosive articles in compatibility group G, other than fireworks and those requiring special handling, may be loaded, transported and stored with other explosive articles of compatibility groups C, D and E, provided that explosive substances (such as those not contained in articles) are not carried in the same transport vehicle.

(h) Except as provided in paragraph (i) of this section, explosives of the same compatibility group but of different divisions may be transported together provided that the whole shipment is transported as though its entire contents were of the lower numerical division (i.e., Division 1.1 being lower than Division 1.2). For example, a mixed shipment of Division 1.2 (explosive) materials and Division 1.4 (explosive) materials, both of compatibility group D, must be transported as Division 1.2 (explosive) materials.

(i) When Division 1.5 materials, compatibility group D, are transported in the same freight container as Division 1.2 (explosive) materials, compatibility group D, the shipment must be transported as Division 1.1 (explosive) materials, compatibility group D.

DIVISION 1.5



The compatibility group is D. Placard 454 kg. (1,001 lbs.) or more of 1.5 Blasting Agents.

DIVISION 1.6



The compatibility group is N. Placard 454 kg. (1,001 lbs.) or more of 1.6 Explosives.

PLACARDS NOT REQUIRED FOR:

1. Infectious substances (Division 6.2).
2. Combustible liquids in non-bulk packagings.
3. ORM-D materials.
4. Limited quantities identified on shipping papers or marked per §172.315.
5. Radioactive (Class 7) I or II labels.
6. Small quantities per §173.4.
7. Excepted quantities per §173.4a.
8. Class 9 materials in domestic transport.
9. Materials prepared per §173.13.



DANGEROUS PLACARD FOR MIXED LOADS

A freight container, unit load device, transport vehicle, or rail car which contains non-bulk packages with two or more categories of hazardous materials that require different placards, as specified in Table 2, may be placarded with a DANGEROUS placard instead of the separate placarding specified for each of the materials in Table 2. However, when 1,000 kg (2,205 pounds) aggregate gross weight or more of one category of material is loaded therein at one loading facility on a freight container, unit load device, transport vehicle, or rail car, the placard specified in Table 2 for that category must be applied.

- Division 1.4
- Division 1.5
- Division 1.6
- Division 2.1
- Division 2.2
- Class 3
- Combustible liquid
- Division 4.1



- Division 4.2
- Division 5.1
- Division 5.2, other than Type B, liquid or solid, temperature controlled
- Division 6.1, other than material poisonous by inhalation
- Class 8
- Class 9

§172.504(g) COMPATIBILITY GROUP LETTER

For shipments of Class 1 (explosive materials) by aircraft or vessel, the applicable compatibility group letter must be displayed on the placards, or labels when applicable, required by this section. When more than one compatibility group placard is required for Class 1 materials, only one placard is required to be displayed, as provided in paragraphs (g)(1) through (g)(4) of this section. For the purposes of paragraphs (g)(1) through (g)(4), there is a distinction between the phrases *explosive articles* and *explosive substances*. *Explosive article* means an article containing an explosive substance; examples include a detonator, flare, primer or fuse. *Explosive substance* means a substance contained in a packaging that is not contained in an article; examples include black powder and smokeless powder.

- (1) Explosive articles of compatibility groups C, D or E may be placarded displaying compatibility group E.
- (2) Explosive articles of compatibility groups C, D, or E, when transported with those in compatibility group N, may be placarded displaying compatibility group D.
- (3) Explosive substances of compatibility groups C and D may be placarded displaying compatibility group D.
- (4) Explosive articles of compatibility groups C, D, E or G, except for fireworks, may be placarded displaying compatibility group E.



§172.505 PLACARDING FOR SUBSIDIARY HAZARDS



(a) Each transport vehicle, freight container, portable tank, unit load device, or rail car that contains a poisonous material subject to the "Poison Inhalation Hazard" shipping description of §172.203(m) must be placarded with a POISON INHALATION HAZARD or POISON GAS placard, as appropriate, on each side and each end, in addition to any other placard required for that material in §172.504. Duplication of the POISON INHALATION HAZARD or POISON GAS placard is not required.

(b) In addition to the RADIOACTIVE placard which may be required by §172.504(e) of this subpart, each transport vehicle, portable tank or freight container that contains 454 kg (1,001 pounds) or more gross weight of non-fissile, fissile-excepted, or fissile uranium hexafluoride must be placarded with a CORROSIVE placard on each side and each end.

(c) Each transport vehicle, portable tank, freight container or unit load device that contains a material which has a subsidiary hazard of being dangerous when wet, as defined in §173.124 of this subchapter, shall be placarded with DANGEROUS WHEN WET placards, on each side and each end, in addition to the placards required by §172.504.

(d) Hazardous materials that possess secondary hazards may exhibit subsidiary placards that correspond to the placards described in this part, even when not required by this part (see also §172.519(b)(4) of this subpart).

Enviro-Safe Resource Recovery
Appendix P-02 - Storage Compatibility Chart

STORAGE COMPATIBILITY CHART









The below segregation chart was created based upon the DOT Hazardous Material Load and Segregation Chart (49 CFR 177.878) and includes only the applicable DOT classes of containers that will be accepted and stored at the facility. The Storage Locations listed on the chart below are depicted on Container Storage Map [G-08].







A = Indicates containers of either of these two materials are acceptable to be stored within the same designated storage location area (indicated below) with no restrictions.

O = Indicates containers of either of these two materials are acceptable to be stored within the same designated storage location area (indicated below) provided they are stored on separate containment pallets so in the event of leakage from the containers no commingling of hazardous materials would not occur. Class 8 (corrosive) liquids may not be stored above or adjacent Class 5 (oxidizing) materials.

X = Indicates containers of these two materials may not be stored in the same designated storage location area (indicated below).

L = Indicates containers of the DOT class on the left side of the table is only received in lab packs and therefore, the DOT storage segregation requirements (49 CFR 173.12(e)) will be followed. See special lab pack requirements below.

DOT Class	DOT Label(s)	Storage Location Area	2.1	2.2	2.3 Zone A	2.3 Zone B	3	4.1	4.2	4.3	5.1	5.2	6.1	8	9
2.1	Flammable Gases 	RM125-4 or RM 126	A	A	X	X	A	A	A	A	X	X	X	X	A
2.2	Non-Toxic Non-Flammable Gases  	RM125-4	A	A	X	X	A	A	A	A	X	X	X	X	A
2.3	Poisonous Gas Zone B 	RM125-2	L	L	L	L	L	L	L	L	L	L	X	L	L
3	Flammable Liquids 	RM125-4 or RM 126	A	A	X	X	A	A	A	A	X	X	X	X	A
4.1	Flammable Solids 	RM125-4 or RM 126	A	A	X	X	A	A	A	A	X	X	X	X	A
4.2	Spontaneously Combustible 	RM125-4 or RM 126	A	A	X	X	A	A	A	A	X	X	X	X	A
4.3	Dangerous When Wet Materials 	RM125-4 or RM 126	A	A	X	X	A	A	A	A	X	X	X	X	A

5.1	Oxidizers		RM125-3	X	X	X	X	X	X	X	X	X	A	A	X	O	X
5.2	Organic Peroxides	 	RM125-3	X	X	X	X	X	X	X	X	X	A	A	X	O	X
6.1	Poisonous Liquids PG I Zone A		RM125-2	A	A	A	A	A	A	L	A	L	L	A	L	A	
8	Corrosive Liquids		RM125-1	X	X	X	X	X	X	X	X	X	O	O	X	A	X
9	Environmentally Hazard		RM125-4 or RM 126	A	A	X	X	A	A	A	A	X	X	X	X	A	

1. Special Requirements for Storage of Lab Packs

Lab Pack Segregation Requirements. DOT Hazardous Material Load and Segregation Chart (49 CFR 177.878) segregation requirements are not applicable to waste lab packs provided the incompatible materials are separated by a minimum of 4 feet and the containers are stored on containment pallets. However, additional lab pack requirements are applicable, as stated below.

2. Waste Cyanides and Waste Acids. For cyanide (pure) lab pack stored with acids, the cyanide (pure) lab pack may not exceed 4.4 pounds per inner containers and the outer container may not exceed 22 pounds. For cyanide mixture lab pack stored with acids, the cyanide mixture may not exceed 0.6 gallons per inner containers and the outer container may not exceed 3 gallons. When stored with cyanide (pure) or cyanide (mixture), the acid must be packed as a lab pack or in a single packaging not to exceed 55-gallon capacity.

3. Spontaneous Combustibles (4.2) Lab Pack. For spontaneous combustibles lab pack stored with corrosive liquids (8), the spontaneous combustible lab pack may not exceed 4.4 pounds per inner containers and the outer container may not exceed 22 pounds. The corrosive liquid must be packed as a lab pack or in a single packaging not to exceed 55-gallon capacity.

4. Poisonous Liquids PG I Zone A (6.1) Lab Pack. For Poisonous Liquid PGI Zone lab pack being stored, they must be packaged in accordance with 49 CFR 173.226(c) and overpacked in a UN standard steel or plastic drum meeting Packaging Group I. If stored with corrosive liquids (8), the corrosive liquid must be a lab pack or in a single packaging not to exceed 55-gallon capacity. If stored with spontaneously combustible (4.2), the spontaneous combustible must be a lab pack may not exceed 4.4 pounds inner containers and the outer container may not exceed 22 pounds. If stored with oxidizer (5.1), the oxidizer lab pack may not exceed 4.4 pound per inner containers and the outer container may not exceed 22 pounds. The total oxidizers being stored in the lab pack area may not exceed 220 pounds. If stored with organic peroxide (5.2), the organic peroxide must be a lab pack not exceed 2.2 pounds inner container and the outer container may not exceed 11 pounds. If stored with organic peroxide Type B, the organic peroxide Type B must be a lab pack not exceeding 1.1 pound per inner containers and the outer container may not exceed 5.5 pounds. The total organic peroxide – Type B being stored in the lab pack area may not exceed 110 pounds.

5. Corrosive Liquids (8). Acids and bases should not be stored together on the same containment pallet or in the same row.

APPENDIX Q: ENDANGERED SPECIES REVIEW



State of Wisconsin / DEPARTMENT OF NATURAL RESOURCES

Tony Evers, Governor
Preston D. Cole, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

101 S. Webster St.
Box 7921
Madison, WI 53707-7921

February 29, 2020

Dawn Zellmer
Enviro-Safe Consulting, LLC
W130 N10500 Washington Drive
Germantown, WI 53002

SUBJECT: Endangered Resources Review (ERR Log # 20-124)

Proposed WDNR Hazardous Waste License, Ozaukee, Washington County, WI (T09N R21E S30, T09N R20E S25)

Dear Dawn Zellmer,

The Bureau of Natural Heritage Conservation has reviewed the proposed project described in the Endangered Resources (ER) Review Request received February 21, 2020. The complete ER Review for this proposed project is attached and follow-up actions are summarized below:

Required Actions: 0 species

Recommended Actions: 1 species

No Follow-Up Actions: 2 species

Additional Recommendations Specified: Yes

This ER Review may contain Natural Heritage Inventory data (<http://dnr.wi.gov/topic/NHI>), including specific locations of endangered resources, which are considered sensitive and are not subject to Wisconsin's Open Records Law. Information contained in this ER Review may be shared with individuals who need this information in order to carry out specific roles in the planning, permitting, and implementation of the proposed project. **Specific locations of endangered resources may not be released or reproduced in any publicly disseminated documents.**

The attached ER Review is for informational purposes and only addresses endangered resources issues. **This ER Review does not constitute DNR authorization of the proposed project and does not exempt the project from securing necessary permits and approvals from the DNR and/or other permitting authorities.**

Please contact me at 608-264-8968 or via email at anna.rossler@wi.gov if you have any questions about this ER Review.

Sincerely,

Anna Rossler

Endangered Resources Review Program

cc: Douglas Coenen

**Endangered Resources Review for the Proposed WDNR Hazardous Waste License, Ozaukee, Washington County
(ER Log # 20-124)**

Section A. Location and brief description of the proposed project

Based on information provided by the ER Review Request form and attached materials, the proposed project consists of the following:

Location	Ozaukee, Washington County - T09N R21E S30, T09N R20E S25
Project Description	The project is the addition onto an existing building on the current 5.61 acre property. the current building imprint is approximately 11,700 sq ft and the addition will add approximately 28,589 sq ft. The building currently resides in the Village of Germantown Industrial Park.
Project Timing	5/1/2020- 12/31/2020
Current Habitat	Currently located in the Village of Germantown Industrial Park. The property is 100% zoned industrial use. Aerial photos show open and wooded areas with wetlands and potential intermittent streams.
Impacts to Wetlands or Waterbodies	Wetlands and intermittent stream on property
Property Type	Private
Federal Nexus	No

It is best to request ER Reviews early in the project planning process. However, some important project details may not be known at that time. Details related to project location, design, and timing of disturbance are important for determining both the endangered resources that may be impacted by the project and any necessary follow-up actions. Please contact the ER Review Program whenever the project plans change, new details become available, or more than a year has passed to confirm if results of this ER Review are still valid.

Section B. Endangered resources recorded from within the project area and surrounding area

	Group	State Status	Federal Status
Least Bittern (<i>Ixobrychus exilis</i>)	Bird~	SC/M	
Blanchard's Cricket Frog (<i>Acris blanchardi</i>)	Frog~	END	
Bird Rookery	Other~	SC	

For additional information on the rare species, high-quality natural communities, and other endangered resources listed above, please visit our Biodiversity (<http://dnr.wi.gov/topic/EndangeredResources/biodiversity.html>) page. For further definitions of state and federal statuses (END=Endangered, THR=Threatened, SC=Special Concern), please refer to the Natural Heritage Inventory (NHI) Working List (<http://dnr.wi.gov/topic/nhi/Wlist.html>).

Section C. Follow-up actions

Actions that need to be taken to comply with state and/or federal endangered species laws: None

Actions recommended to help conserve Wisconsin's Endangered Resources:

- Least Bittern (*Ixobrychus exilis*) - Bird~

State Status: SC/M

Impact Type	Impact possible
--------------------	-----------------

Recommended Measures	Time of year restriction
Description of Recommended Measures	Suitable habitat may be present at the project site. While not required, it is recommended to avoid disturbance within 300 feet of all suitable habitat during the nesting season (15 May - 15 August) to avoid impacts to the species. Least Bittern (<i>Ixobrychus exilis</i>), Special Concern in Wisconsin, prefers freshwater marshes where cattails and reeds predominate in swamps and marshes and dense emergent vegetation. The recommended avoidance period is 15 May - 15 August.

Remember that although these actions are not required by state or federal endangered species laws, they may be required by other laws, permits, granting programs, or policies of this or another agency. Examples include the federal Migratory Bird Treaty Act, Bald and Golden Eagle Protection Act, State Natural Areas law, DNR Chapter 30 Wetland and Waterway permits, DNR Stormwater permits, and Forest Certification.

Additional Recommendations

The project site is located near wetlands and intermittent streams and we strongly recommend implementing erosion and runoff prevention measures during the course of the project.

Please note that erosion control netting (also known as erosion control blankets, erosion mats or erosion mesh netting) used to prevent erosion during the establishment of vegetation can have detrimental effects on local snake and other wildlife populations. Plastic netting without independent movement of strands can easily entrap snakes moving through the area, leading to dehydration, desiccation, and eventually mortality. Netting that contains biodegradable thread with the "leno" or "gauze" weave (contains strands that are able to move independently) appears to have the least impact on snakes and should be used in areas adjacent to or near any waterbody.

If erosion matting will be used for this project, use the following matting (or something similar): American Excelsior "FibreNet" or "NetFree" products; East Coast Erosion biodegradable jute products; Erosion Tech biodegradable jute products; ErosionControlBlanket.com biodegradable leno weave products; North American Green S75BN, S150BN, SC150BN or C125BN; or Western Excelsior "All Natural" products.

No actions are required or recommended for the following endangered resources:

- **Blanchard's Cricket Frog (*Acris blanchardi*) - Frog~**

State Status: END

Impact Type	No impact or no/low broad ITP/A
Reason	Other - Justification Required
Justification	Suitable habitat may be present at the project site. However, the Blanchard's cricket frog has been in decline over the past several decades throughout most of Wisconsin. Per the Blanchard's Cricket Frog Species Guidance Document, we do not believe cricket frogs are still present in this area, and the project does not need to be altered to avoid impacts to this species. However, if Blanchard's cricket frogs are observed on site during the course of the project, please contact the Endangered Resources Review Program (608-266-5241) immediately. Blanchard's Cricket Frog (<i>Acris blanchardi</i>), listed as Endangered in Wisconsin, prefers ponds, lakes, and a variety of habitats along and adjacent to streams and rivers including, marshes, fens, sedge meadows, low prairies, and exposed mud flats.

- **Bird Rookery - Other~**

State Status: SC

Impact Type	No impact or no/low broad ITP/A
Reason	Lack of Suitable Habitat within Project Boundary
Justification	The known bird rookery is not within or adjacent to the project site. No impacts are anticipated. A Bird Rookery is an area where more than one pair of birds nest in a group.

Section D. Next Steps

1. Evaluate whether the 'Location and brief description of the proposed project' is still accurate. All recommendations in this ER Review are based

on the information supplied in the ER Review Request. If the proposed project has changed or more than a year has passed and you would like your letter renewed, please contact the ER Review Program to determine if the information in this ER Review is still valid.

2. Determine whether the project can incorporate and implement the **'Follow-up actions'** identified above:

- 'Actions that need to be taken to comply with state and/or federal endangered species laws' represent the Department's best available guidance for complying with state and federal endangered species laws based on the project information that you provided and the endangered resources information and data available to us. If the proposed project has not changed from the description that you provided us and you are able to implement all of the 'Actions that need to be taken to comply with state and/or federal endangered species laws', your project should comply with state and federal endangered species laws. Please remember that if a violation occurs, the person responsible for the taking is the liable party. Generally this is the landowner or project proponent. For questions or concerns about individual responsibilities related to Wisconsin's Endangered Species Law, please contact the ER Review Program.
- If the project is unable to incorporate and implement one or more of the 'Actions that need to be taken to comply with state and/or federal endangered species laws' identified above, the project may potentially violate one or more of these laws. Please contact the ER Review Program immediately to assist in identifying potential options that may allow the project to proceed in compliance with state and federal endangered species laws.
- 'Actions recommended to help conserve Wisconsin's Endangered Resources' may be required by another law, a policy of this or another Department, agency or program; or as part of another permitting, approval or granting process. Please make sure to carefully read all permits and approvals for the project to determine whether these or other measures may be required. Even if these actions are not required by another program or entity for the proposed project to proceed, the Department strongly encourages the implementation of these conservation measures on a voluntary basis to help prevent future listings and protect Wisconsin's biodiversity for future generations.

3. No federally-protected species or habitats are involved.

Section E. Standard Information to help you better understand this ER Review

Endangered Resources (ER) Reviews are conducted according to the protocols in the guidance document *Conducting Proposed Endangered Resources Reviews: A Step-by-Step Guide for Wisconsin DNR Staff*.

How endangered resources searches are conducted for the proposed project area: An endangered resources search is performed as part of all ER Reviews. A search consists of querying the Wisconsin Natural Heritage Inventory (NHI) database for endangered resources records for the proposed project area. The project area evaluated consists of both the specific project site and a buffer area surrounding the site. A 1 mile buffer is considered for terrestrial and wetland species, and a 2 mile buffer for aquatic species. Endangered resources records from the buffer area are considered because most lands and waters in the state, especially private lands, have not been surveyed. Considering records from the entire project area (also sometimes referred to as the search area) provides the best picture of species and communities that may be present on your specific site if suitable habitat for those species or communities is present.

Categories of endangered resources considered in ER Reviews and protections for each: Endangered resources records from the NHI database fall into one of the following categories:

- Federally-protected species include those federally listed as Endangered or Threatened and Designated Critical Habitats. Federally-protected animals are protected on all lands; federally-protected plants are protected only on federal lands and in the course of projects that include federal funding (see Federal Endangered Species Act of 1973 as amended).
- Animals (vertebrate and invertebrate) listed as Endangered or Threatened in Wisconsin are protected by Wisconsin's Endangered Species Law on all lands and waters of the state (s. 29.604, Wis. Stats.).
- Plants listed as Endangered or Threatened in Wisconsin are protected by Wisconsin's Endangered Species Law on public lands and on land that the person does not own or lease, except in the course of forestry, agriculture, utility, or bulk sampling actions (s. 29.604, Wis. Stats.).
- Special Concern species, high-quality examples of natural communities (sometimes called High Conservation Value areas), and natural features (e.g., caves and animal aggregation sites) are also included in the NHI database. These endangered resources are not legally protected by state or federal endangered species laws. However, other laws, policies (e.g., related to Forest Certification), or granting/permitting processes may require or strongly encourage protection of these resources. The main purpose of the Special Concern classification is to focus attention on species about which some problem of abundance or distribution is suspected before they become endangered or threatened.
- State Natural Areas (SNAs) are also included in the NHI database. SNAs protect outstanding examples of Wisconsin's native

landscape of natural communities, significant geological formations, and archeological sites. Endangered species are often found within SNAs. SNAs are protected by law from any use that is inconsistent with or injurious to their natural values (s. 23.28, Wis. Stats.).

Please remember the following:

1. This ER Review is provided as information to comply with state and federal endangered species laws. By following the protocols and methodologies described above, the best information currently available about endangered resources that may be present in the proposed project area has been provided. However, the NHI database is not all inclusive; systematic surveys of most public lands have not been conducted, and the majority of private lands have not been surveyed. As a result, NHI data for the project area may be incomplete. Occurrences of endangered resources are only in the NHI database if the site has been previously surveyed for that species or group during the appropriate season, and an observation was reported to and entered into the NHI database. As such, absence of a record in the NHI database for a specific area should not be used to infer that no endangered resources are present in that area. Similarly, the presence of one species does not imply that surveys have been conducted for other species. Evaluations of the possible presence of rare species on the project site should always be based on whether suitable habitat exists on site for that species.
2. This ER Review provides an assessment of endangered resources that may be impacted by the project and measures that can be taken to avoid negatively impacting those resources based on the information that has been provided to ER Review Program at this time. Incomplete information, changes in the project, or subsequent survey results may affect our assessment and indicate the need for additional or different measures to avoid impacts to endangered resources.
3. This ER Review does not exempt the project from actions that may be required by Department permits or approvals for the project. Information contained in this ER Review may be shared with individuals who need this information in order to carry out specific roles in the planning, permitting, and implementation of the proposed project.

Dawn Zellmer

From: White, Angela L - DNR <AngelaL.White@wisconsin.gov>
Sent: Monday, February 24, 2020 8:11 AM
To: Dawn Zellmer
Cc: Rossler, Anna C - DNR
Subject: ER Review Request

Dear Dawn:

On 2/21/20, the Bureau of Natural Heritage Conservation received your request for an Endangered Resources Review for the proposed WDNR Hazardous Waste License project in Washington County, WI.

Our response to you will entail a letter listing any rare species, high-quality natural communities, and other significant natural resources that have been found at or near the proposed project area. The review will also detail any specific measures required for the project to be in compliance with Wisconsin Endangered Species Laws, as well as recommendations to further enhance potential conservation measures.

We recommend that you include a copy of this review letter with any applications for permits or formal approvals for the project that you submit to other DNR programs.

Your project has been assigned an ERR Log # 20-124. Please reference this log number in any correspondence or inquiries to us regarding this project.

Please contact me with any questions.

Angela

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Angela White

ER Certification Program Coordinator
Bureau of Natural Heritage Conservation
Wisconsin Department of Natural Resources
Phone: 608-266-5241
AngelaL.White@Wisconsin.gov



dnr.wi.gov



Notice: Pursuant to s. 23.27(3)(b), Wis. Stats., this form must be completed and submitted to the Department of Natural Resources (DNR) to request an Endangered Resources (ER) Review of proposed development, management, planning or similar type of project. An ER Review provides the requester with information from Wisconsin's Natural Heritage Inventory (NHI) database and other sources on rare plants and animals, high quality natural communities, and other endangered resources that may be impacted by the proposed project. The ER Review will also include specific recommendations and requirements to help projects comply with Wisconsin's Endangered Species Law (s. 29.604, Wis. Stats.) and other laws and regulations protecting endangered resources. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31-19.39, Wis. Stats.).

Instructions: The following materials are required to process this request. Submit all materials by mail to the address above or email (DNRERReview@wisconsin.gov). Do not include payment with this form.

- Completed, signed form
- Map(s) delineating the project area, preferably an aerial photo

Submission of the following materials are strongly encouraged and will facilitate review of your project:

- [NHI Public Portal Preliminary Assessment Printout](#)
- Photographs that clearly show the project area, including natural features and vegetation present on site
- Additional relevant information and reports (e.g., detailed project and habitat descriptions, wetland delineation, and site plans)

Section 1: Requester Information (ER Review, correspondence and invoice will be sent to this person)

Name		Organization	
Enviro-Safe Consulting, LLC. (dBa Enviro-Safe Resource Recove			
Mailing Address		City	State ZIP Code
W130 N10500 Washington Drive		Germantown	WI 53022
Telephone Number		Email Address	
(262) 790-2500		dzellmer@enviro-safe.com	

Section 2: Landowner Information (if different than Section 1)

Name		Organization	
JDV Real Estate			
Mailing Address		City	State ZIP Code
W130 N10500 Washington Drive		Germantown	WI 53022
Telephone Number		Email Address	
(262) 790-2500		dzellmer@enviro-safe.com	

Section 3: Project Information

Project Name	Project Address (if applicable)
WDNR Hazardous Waste License	W130 N10500 Washington Drive, Germantown, WI 53022

Project Types:

Residential
 Commercial
 Industrial
 Utility/Energy
 Transportation (roads, railroads, trails, harbors, airports)
 NRCS
 Other: _____

PSC Approval (Utility/Energy only)	DOT or FHWA Administered
<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown

Start Date (on-site disturbance)	End Date (on-site disturbance)	Federal Land, Funding or Permit
5/1/2020	12/31/2020	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown

County	<input type="radio"/> City <input type="radio"/> Town <input checked="" type="radio"/> Village of:	Land Types (Select all that apply)
Washington	Germantown	<input checked="" type="checkbox"/> Private <input type="checkbox"/> Public (e.g. road ROWs, schools, city/county land, etc.)

Township	Range	Direction	Section	Additional Comments on TRS Location (attach additional information if necessary)
09 N	20	<input checked="" type="radio"/> E <input type="radio"/> W	25	
N		<input type="radio"/> E <input type="radio"/> W		

Endangered Resources Review Request

Form 1700-047 (R 12/17)

Page 2 of 2

Section 3: Project Information, *continued*

Provide a detailed description of the proposed project and associated disturbance, including acres to be disturbed. Attach additional pages as needed.

The project is the addition onto an existing building on the current 5.61 acre property (244,196 sq. ft.). The current building imprint is approximately 11,700 sq. ft. and the addition will add approximately 28,589 sq. ft. The building current resides in the Village of Germantown Industrial Park.

Provide a detailed description of the habitat types and current land use within the limits of the project area (e.g., 50% in active agriculture-currently corn, 20% floodplain forest, 15% industrial area, 10% hardwood swamp dominated by black ash, 5% fallow field - in active agriculture until one year ago). Attach additional pages as needed.

Currently located in the Village of Germantown Industrial Park. The property is 100% zoned industrial use.

List all wetlands and waterbodies (e.g., rivers, intermittent streams, lakes, marshes) within or adjacent to the project area. List any known or suspected impacts of the proposed project to these wetlands and waterbodies. Indicate the location(s) of any point source discharge(s) into wetlands or waterbodies.

See attached report.

List any reports or correspondence concerning endangered resources or habitat that may be impacted by the proposed project (e.g., wetland delineation, endangered resources reviews, habitat assessments, and rare species surveys). Attach copies if available.

None

Section 4: Related Permits, Licenses or Regulatory Approvals (DNR or other state/federal agency)

Permit, License or Approval	Permitting Agency Contact Person	Status
Hazardous Waste TSD License	Douglas Coenen Phone: (608) 264-9258	<input checked="" type="checkbox"/> will be applying for <input type="checkbox"/> have applied for <input type="checkbox"/> have received
		<input type="checkbox"/> will be applying for <input type="checkbox"/> have applied for <input type="checkbox"/> have received

Section 5: Terms and Conditions

The requested ER Review may contain NHI data and information (including specific locations of endangered resources) which are considered sensitive and are not subject to Wisconsin's Open Records Law (per s. 23.27, Wis. Stats.). The information contained in the ER Review is solely for planning and implementation of the proposed project. As such, the information contained in the ER Review shall only be shared with individuals who need this information to carry out specific roles in the planning, permitting, and implementation of the proposed project. The requester must agree to not reproduce or disseminate the ER Review or the specific locations of endangered resources contained in the ER Review to any other parties or individuals without prior written permission from the DNR Bureau of Natural Heritage Conservation. (Contact the Endangered Resources Review Program at 608-267-0862 if you have any questions about sharing information contained in the ER Review.)

Section 6: Certification by Requester

I agree to pay, within 30 days of receipt of an invoice, the \$75/hour fee charged by the Department per s. NR 29.04(1), Wis. Adm. Code, for this ER review. I am the owner, authorized representative of the owner, or utility representative of the property for which I am requesting an Endangered Resources (ER) Review. I accept the terms and conditions outlined in Section 5 (above). To the best of my knowledge, the information I have provided is complete and accurate.


Signature of Requester

2/17/2020
Date Signed

Dawn Zellmer
Printed Name

WIDNR - Natural Heritage Inventory (NHI) Public Portal

Results

A search was conducted of the NHI Portal within a 1-mile buffer (for terrestrial and wetland species) and a 2-mile buffer (for aquatic species) of the project area. Based on these search results, below are your follow-up actions.

Further actions are required to ensure compliance with Wisconsin's Endangered Species Law (s. 29.604 Wis. Stats.) and the Federal Endangered Species Act (16 USC ss 1531-43). One or more of the following situations apply:

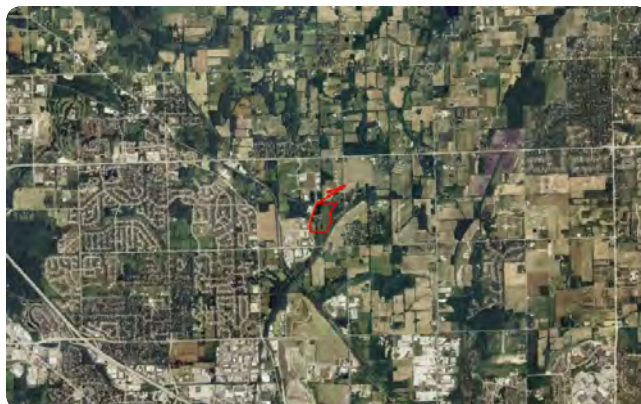
- The species recorded are state or federal threatened or endangered animals.
- The project site overlaps the Karner Blue Butterfly High Potential Range.
- The project overlaps the Rusty Patched Bumble Bee High Potential Zone.
- The species recorded are state threatened or endangered plants on public land.
- The species recorded are federal threatened or endangered plants on federal land or involve federal funds or a federal permit.

Therefore you should request an Endangered Resources Review

<https://dnr.wi.gov/topic/ERReview/Review.html>

(<https://dnr.wi.gov/topic/ERReview/Review.html>). An ER Review is the mechanism to ensure compliance with Wisconsin's Endangered Species Law (s. 29.604 Wis. Stats.) and the Federal Endangered Species Act (16 USC ss 1531-43). The ER Review will list the endangered resources that have been recorded within the vicinity of the project area and follow-up actions may be necessary.

A copy of this document can be kept on file and submitted with any other necessary DNR permit applications to show that the need for an ER Review has been met. This notice only addresses endangered resources issues. This notice does not constitute DNR authorization of the proposed project and does not exempt the project from securing necessary permits and approvals from the DNR and/or other permitting authorities.



The information shown on these maps has been obtained from various sources, and is of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. Users of these maps should confirm the ownership of land through other means in order to avoid trespassing. No warranty, expressed or implied, is made regarding accuracy, applicability for a particular use, completeness, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: <http://dnr.wi.gov/legal/> (<http://dnr.wi.gov/legal/>).

Print/Save Results (print)

Start over (start)

The information shown on these maps has been obtained from various sources, and is of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. Users of these maps should confirm the ownership of land through other means in order to avoid trespassing. No warranty, expressed or implied, is made regarding accuracy, applicability for a particular use, completeness, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: <http://dnr.wi.gov/legal/> (<http://dnr.wi.gov/legal/>).



Endangered Resources Preliminary Assessment

Created on **12/17/2019**. This report is good for one year after the created date.

Results

A search was conducted of the NHI Portal within a 1-mile buffer (for terrestrial and wetland species) and a 2-mile buffer (for aquatic species) of the project area. Based on these search results, below are your follow-up actions.

Further actions are required to ensure compliance with Wisconsin’s Endangered Species Law (s. 29.604 Wis. Stats.) and the Federal Endangered Species Act (16 USC ss 1531-43). One or more of the following situations apply:

- The species recorded are state or federal threatened or endangered animals.
- The project site overlaps the Karner Blue Butterfly High Potential Range.
- The project overlaps the Rusty Patched Bumble Bee High Potential Zone.
- The species recorded are state threatened or endangered plants on public land.
- The species recorded are federal threatened or endangered plants on federal land or involve federal funds or a federal permit.

Therefore you should request an Endangered Resources Review <https://dnr.wi.gov/topic/ERReview/Review.html>. An ER Review is the mechanism to ensure compliance with Wisconsin’s Endangered Species Law (s. 29.604 Wis. Stats.) and the Federal Endangered Species Act (16 USC ss 1531-43). The ER Review will list the endangered resources that have been recorded within the vicinity of the project area and follow-up actions may be necessary.

A copy of this document can be kept on file and submitted with any other necessary DNR permit applications to show that the need for an ER Review has been met. This notice only addresses endangered resources issues. This notice does not constitute DNR authorization of the proposed project and does not exempt the project from securing necessary permits and approvals from the DNR and/or other permitting authorities.

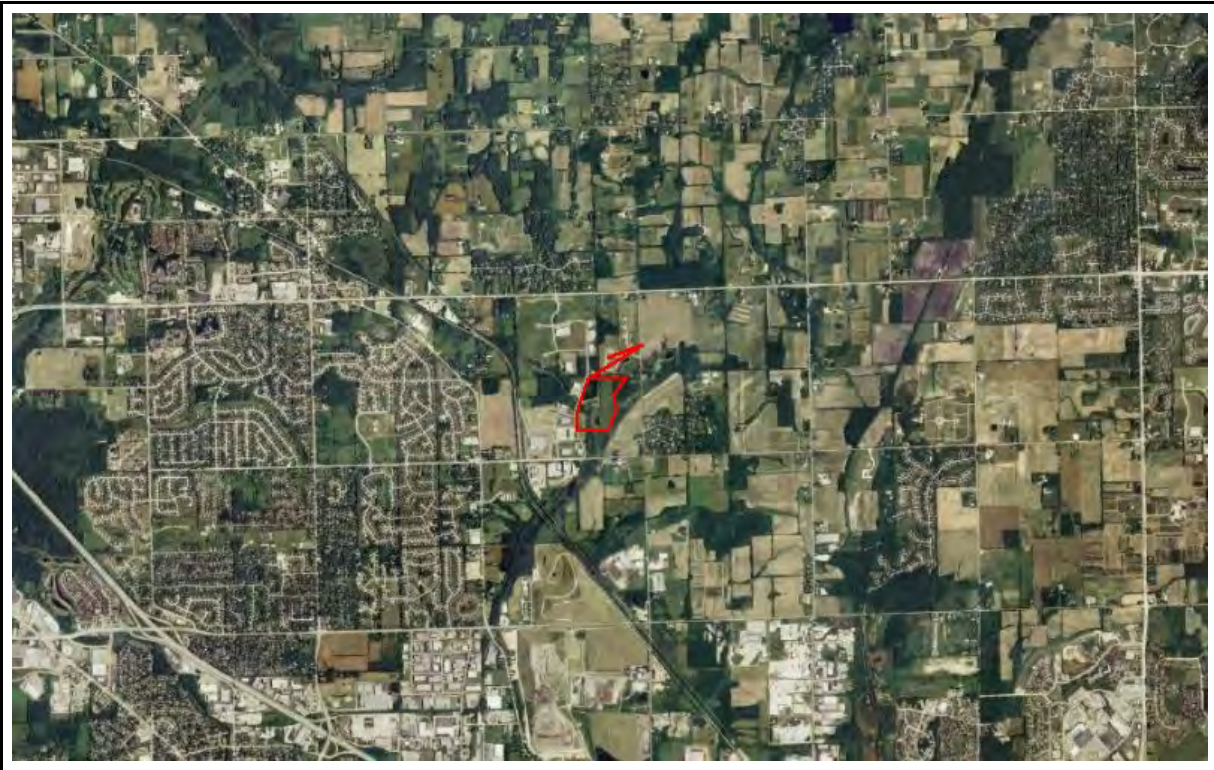
Project Information

Landowner name	JDV Real Estate
Project address	W130 N10500 Washington Drive, Germantown, WI 53022
Project description	Submittal for a WDNR Hazardous Waste License at the existing property location. Includes an addition to the existing building.

Project Questions

Does the project involve a public property?	No
Is there any federal involvement with the project?	No
Is the project a utility, agricultural, forestry or bulk sampling (associated with mining) project?	No
Is the project property in Managed Forest Law or Managed Forest Tax Law?	No
Project involves tree removal?	Yes
Does project have urban/residential habitat?	No

Does project have manicured lawn?	Yes
Does project have artificial/paved surface?	Yes
Does project involve agricultural land?	No
Does project have areas covered in crushed stone or gravel?	No
Is project near (within 300 ft) a waterbody or a shoreline?	Yes
Is project within a waterbody or along the shoreline?	Yes



The information shown on these maps has been obtained from various sources, and is of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. Users of these maps should confirm the ownership of land through other means in order to avoid trespassing. No warranty, expressed or implied, is made regarding accuracy, applicability for a particular use, completeness, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: <http://dnr.wi.gov/legal/>.

<https://dnrx.wisconsin.gov/nhiportal/public>

101 S. Webster Street . PO Box 7921 . Madison, Wisconsin 53707-7921

**APPENDIX R: WETLAND DELINEATION REPORT (STANTEC - SEPT-2018) AND
VILLAGE OF GERMANTOWN ARTIFICIAL WETLAND DETERMINATION LETTER**

R-01 Wetland Delineation Report (Stantec - Sept-2018)

R-02 Village of Germantown Artificial Wetland Determination (Jun-2020)

**Enviro-Safe Resource Recovery
Appendix R-01 - Wetland Delineation Report**

Dawn Zellmer

From: Microsoft Outlook
To: calvin.lawrence@wisconsin.gov
Sent: Monday, May 3, 2021 10:22 AM
Subject: Relayed: Enviro-Safe - Wetland Delineation Report -

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

calvin.lawrence@wisconsin.gov (calvin.lawrence@wisconsin.gov)

Subject: Enviro-Safe - Wetland Delineation Report -

Dawn Zellmer

From: Microsoft Outlook
To: Gunderson-Inden, Kristen
Sent: Monday, May 3, 2021 10:22 AM
Subject: Relayed: Enviro-Safe - Wetland Delineation Report -

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

[Gunderson-Inden, Kristen \(Kristen.Gunderson-Inden@stantec.com\)](mailto:Kristen.Gunderson-Inden@stantec.com)

Subject: Enviro-Safe - Wetland Delineation Report -

Dawn Zellmer

From: Dawn Zellmer
Sent: Monday, May 3, 2021 10:22 AM
To: calvin.lawrence@wisconsin.gov
Cc: Gunderson-Inden, Kristen
Subject: Enviro-Safe - Wetland Delineation Report -
Attachments: Attachment N - Wetland Delineation Report.pdf; 193706367_wetlands.zip

Hi Calvin,

In September-2018 a Wetland Delineation Report was completed by Stantec Consulting Services on the behalf of Enviro-Safe located in Germantown, Wisconsin (report attached).

In the response of receipt of this report by the WDNR in the letter dated November 21, 2018, the WDNR requested that the department be supplied with a polygon shapefile of the wetland boundaries delineated with the project area (attached). Neither Enviro-Safe or Stantec could find confirmation that this information was submitted as required under Chapter 23.321 and therefore, it is being sent again at this time. If you previously received this information, please disregard. However, if you have not we apologize for this oversight and hope this fulfills the requirement at this time.

If you have any questions, please do not hesitate to contact me at any time.

Thank-you.

Dawn Zellmer
CEO/Operations
Enviro-Safe Resource Recovery
Enviro-Safe Consulting, LLC.
W130 N10500 Washington Drive
Germantown, WI 53022

T: (262) 790-2500
F: (262) 790-2560
C: (262) 613-2542

enviro-safe.com



Expanding our Capabilities while Continuing to Provide More Sustainable Solutions



Call for a Tour of our State-of-the-Art Resource Recovery Facility!

Minimizing Waste to Maximize Our Resources!

This message may be communication between a consultant and client and, as such, be considered privileged and confidential. If the reader of this message is not the intended recipient or any agent responsible for delivering the message to the intended recipient, you are hereby notified that you have received this document in error, and any review, dissemination, distribution or copying of this message is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone at (262) 790-2500 and return the original message to us in the mail at our expense.



November 21, 2018

WIC-SE-2018-67-03412

Enviro-Safe Consulting, LLC
Attention: Jeff Vilione
W130 N10500 Washington Drive
Germantown, WI 53022

RE: Wetland Delineation Confirmation for 5.59 Acre Property located in the SW1/4 of the SE1/4 of Section 25, Township 09 North, Range 20 East, Village of Germantown, Washington County

Dear Mr. Vilione:

We have reviewed the wetland delineation report from Stantec Consulting Services, Inc. prepared for the above-mentioned site. This letter will serve as confirmation that the wetland boundaries as shown on the enclosed wetland delineation figure are acceptable. This finding is based upon a 10/17/2018 field visit by the Department's Wetland Identification Specialist, Neil Molstad. Any filling or grading within these areas may require DNR approvals. Our wetland confirmation is valid for five years. Be sure to send a copy of the report, as well as any approved revisions, to the U.S. Army Corps of Engineers.

In order to comply with Chapter 23.321, State Statutes, please supply the department with a polygon shapefile of the wetland boundaries delineated within the project area. Please do not include data such as parcel boundaries, project limits, wetland graphic representation symbols, etc. If internal upland polygons are found within a wetland polygon, then please label as UPLAND. The shapefile should utilize a State Plane Projection and be overlain onto recent aerial photography. If a different projection system is used, please indicate what system the data are projected to. In the correspondence sent with the shapefile, please supply a brief description of each wetland's plant community (eg: wet meadow, floodplain forest, etc.). Please send these data to Calvin Lawrence (608-266-0756, or calvin.lawrence@wisconsin.gov).

If you are planning development on the property, you are required to avoid take of endangered and threatened species, or obtain an incidental take authorization, to comply with the state's Endangered Species Law. To insure compliance with the law, you should submit an endangered resources review form (Form 1700-047), available at <https://dnr.wi.gov/topic/ERReview/Review.html>. The Endangered Resources Program will provide a review response letter identifying any endangered and threatened species and any conditions that must be followed to address potential incidental take.

In addition to contacting WDNR, be sure to contact your local zoning office and U.S. Army Corps of Engineers to determine if any local or federal permits may be required for your project.

If you have any questions, please contact me at (715) 839-1638 or email Travis.Holte@wisconsin.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Travis Holte', written over a horizontal line.

Travis Holte
Wetland Identification Specialist

Enclosure: Wetland Delineation Figure

CC (via email):

April Marcangeli, Project Manager, U.S. Army Corps of Engineers
Jeffrey Retzlaff, Village of Germantown
Michelle Scott, DNR Water Management Specialist
Brian Lennie, Stantec Consulting Services, Inc.



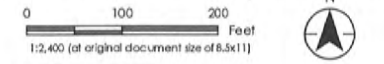
- Legend**
- Approximate Project Boundary
 - 2ft Elevation Contour
 - Sample Point
 - Field Delineated Wetland
 - DNR 24k Hydrography
 - ~ Perennial Stream
 - - - Intermittent Stream
 - Waterbody

Figure No. **5**

Field Collected Data

Client/Project
 Enviro-Safe Consulting, LLC.
 5.6 Acre Parcel Wetland Delineation

Project Location: TN, R20E, S2S, V. of Germantown, Washington Co., WI
 Prepared by MEH on 2018-09-07
 Technical Review by AS on 2018-09-10
 Independent Review by BSL on 2018-09-21



Notes

1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet
2. Data Sources Include: Stantec, WisDOT, WDNR
3. Orthophotography: 2017 NAIP

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



September 28, 2018

WIC-SE-2018-67-03412

Enviro-Safe Consulting, LLC
Jeff Vilione
W130 N10500 Washington Drive
Germantown, WI 53022

Dear Mr. Vilione:

This acknowledges receipt of your request for a Wetland Delineation Confirmation for a project area located in the Village of Germantown in Washington County. The property in question is located in the SW1/4 of the SE1/4 of Section 25, Township 09 North, Range 20 East.

Our field staff are currently reviewing your request, and we will be contacting you for permission to access the above mentioned property in the near future to perform a field evaluation.

If you would like to know more about this project or would like to see the application and plans, please visit the Department's permit tracking website at <https://permits.dnr.wi.gov/water/SitePages/Permit%20Search.aspx> and search for WP-WDC-SE-2018-67-X09-21T14-16-05.

If you have any questions, please contact your local Wetland Identification Specialist, Neil Molstad at (608) 261-6430 or email Neil.Molstad@wisconsin.gov.

Sincerely,



Evan Hunsader
Waterway and Wetland Permit Intake Specialist

cc: Neil Molstad, Wetland Identification Specialist

Wetland Delineation Report

5.6 Acre Parcel Wetland Delineation
Village of Germantown,
Washington County, Wisconsin

Lead Delineator: Brian Lennie



Prepared for:

Jeff Vilione
Enviro-Safe Consulting, LLC
W130N10500 Washington Drive
Germantown, WI 53022

Prepared by:

Stantec Consulting Services Inc.
12075 North Corporate Parkway,
Suite 200
Mequon, Wisconsin 53092

Stantec Project #: 193706367

September 24, 2018

WETLAND DELINEATION REPORT

5.6 Acre Parcel Wetland Delineation
September 24, 2018

Table of Contents

1.0	INTRODUCTION	1.2
2.0	METHODS.....	2.3
2.1	WETLANDS.....	2.3
2.2	WATERWAYS	2.3
3.0	RESULTS	3.4
3.1	SITE DESCRIPTION	3.4
3.2	WETLANDS.....	3.5
3.3	UPLANDS	3.5
3.4	WATERWAYS	3.5
3.5	OTHER ENVIRONMENTAL CONSIDERATIONS	3.5
4.0	CONCLUSION	4.7
5.0	REFERENCES.....	5.8

LIST OF APPENDICES

APPENDIX A	- FIGURES.....	A.1
APPENDIX B	- WETLAND DETERMINATION DATA FORMS.....	B.2
APPENDIX C	- SITE PHOTOGRAPHS	C.3
APPENDIX D	- WETS ANALYSIS.....	D.4
APPENDIX E	- QUALIFICATIONS	E.5

WETLAND DELINEATION REPORT

5.6 Acre Parcel Wetland Delineation
September 24, 2018

1.0 INTRODUCTION

Stantec Consulting Services Inc. (Stantec) completed a wetland investigation on a 5.59-acre Parcel (the "Property") located on Washington Road, in the Village of Germantown, Wisconsin. The Property is comprised of two parcels with the parcel ID numbers GTNV254280 and GTNV25481, more specifically located in Section 25, Township 9 North, Range 20 East, Village of Germantown, Washington County, Wisconsin. The Property location is shown on Figure 1 (Appendix A).

The purpose and objective of this investigation was to identify the extent and spatial arrangement of wetlands within the Property. The investigation was completed by Brian Lennie of Stantec on September 11, 2018. Two wetland areas were identified on the Property.

Wetlands and waterways that are considered Waters of the U.S. are subject to regulation under Section 404 of the Clean Water Act (CWA) and the jurisdictional regulatory authority lies with the USACE. Additionally, the WDNR has regulatory authority over wetlands, navigable waters, and adjacent lands under Chapters 30 and 281 Wisconsin State Statutes and Wisconsin Administrative Codes NR 103, 299, 350, and 353. Finally, counties, townships, and municipalities may have local zoning authority over certain types of wetlands and waterways. Stantec recommends this report be submitted to local authorities, WDNR, and USACE for final jurisdictional review and concurrence.

WETLAND DELINEATION REPORT

5.6 Acre Parcel Wetland Delineation
September 24, 2018

2.0 METHODS

2.1 WETLANDS

Wetland determinations were based on the criteria and methods outlined in the *U.S. Army Corps of Engineers Wetlands Delineation Manual*, Technical Report Y-87-1 (1987) and subsequent guidance documents (USACE 1991, 1992), and the applicable Regional Supplement to the *Corps of Engineers Wetland Delineation Manual*.

The wetland determination involved the use of available resources to assist in the assessment such as U.S. Geological Survey (USGS) topographic maps, U.S. Department of Agriculture Natural Resources Conservation Service (NRCS) soil survey, WDNR Surface Water Web Viewer Wisconsin Wetland Inventory (WWI) mapping, and aerial photography.

On-site wetland determinations were made using the three criteria (vegetation, soil, and hydrology) and the technical approach defined in the USACE 1987 Manual and applicable Regional Supplement. According to procedures described in the 1987 Manual and applicable Regional Supplement areas that, under normal circumstances, reflect a predominance of hydrophytic vegetation, hydric soils, and wetland hydrology (e.g., inundated or saturated soils) are considered wetlands.

Additionally, as climate plays an important role in the formation and identification of wetlands, the antecedent precipitation in the months leading up to the field investigation was reviewed. The current year's precipitation data were compared to long-term (30-year) precipitation averages and standard deviation to determine if precipitation was normal, wet, or dry for the area using a WETS analysis, as developed by the NRCS (Appendix D).

Wetland determination sample points were identified and surveyed using a Global Positioning System (GPS) capable of sub-meter accuracy and mapped using Geographical Information System (GIS) software.

2.2 WATERWAYS

Prior to field work, waterways in the vicinity of the Property were reviewed on existing maps and available aerial photographs. During the field work, evidence of channels, ditches, streams, ponds, or other water bodies that may be regulated by the USACE or WDNR within the parcel, were investigated as they relate to the wetlands mapped.

WETLAND DELINEATION REPORT

5.6 Acre Parcel Wetland Delineation
September 24, 2018

3.0 RESULTS

3.1 SITE DESCRIPTION

The Property that was investigated is comprised of a mowed lawn in an existing business park, a storm water pond and the wetlands. The Property is bordered to the north and east by wetlands, to the west by Washington Road and the business park, and to the south by a storm water pond. The Property is gradually sloped from north to south, with under 20 feet of grade difference. The wetlands on the Property have an elevation of approximately 795 feet above mean sea level (msl). The Property is approximately 802 feet above msl near the northern edge of the property, sloping down to 794 feet above msl in the southern edge of the Property.

According to the NRCS Web Soil Survey, (Appendix A, Figures 2 and 3), five soil types are present within the Property, soil types are also described in the table below.

MzkA: Mussey loam, 0 to 3 percent slopes	Mussey	100	Depressions on outwash plains, drainageways on outwash plains	Yes	2,3
DuB: Ozaukee silt loam, high carbonate substratum, 2 to 6 percent slopes	Ozaukee-High carbonate substratum	92-100	End moraines, ground moraines	No	-
	Ashkum-Drained	0-5	End moraines, ground moraines	Yes	2
	Orthents, clayey	0-3	Ground moraines	No	-
	Urban land	0-3	Ground moraines	No	-
DuB2: Ozaukee silt loam, high carbonate substratum, 2 to 6 percent slopes, eroded	Ozaukee-High carbonate substratum, eroded	92-100	End moraines, ground moraines	No	-
	Ashkum-Drained	0-5	End moraines, ground moraines	Yes	2
	Urban land	0-3	Ground moraines	No	-
	Orthents, clayey	0-3	Ground moraines	No	-
SeA: St. Charles silt loam, gravelly substratum, 0 to 2 percent slopes	St. Charles-Gravelly substratum	80-95	Outwash plains	No	-
	Fox	3-13	Outwash plains	No	-
	Mayville	2-7	Outwash plains	No	-
VsA: Virgil silt loam, gravelly substratum, 0 to 3 percent slopes	Virgil-Gravelly substratum	85-95	Outwash plains	No	-
	Drummer-Drained	2-6	Outwash plains	Yes	2
	Sebewa	2-5	Outwash plains	Yes	2,3
	Sable	1-4	Outwash plains	Yes	2

The WWI Map identifies wetlands on the Property (Appendix A, Figure 4) in the same general size and location as field delineated wetlands W1 and W2.

Average precipitation for the investigation area was obtained from the Germantown National Weather Service (NWS) weather station (GERW3) and used for the WETS analysis. A total of 16.06

WETLAND DELINEATION REPORT

5.6 Acre Parcel Wetland Delineation
September 24, 2018

inches of precipitation occurred in the three-month time period from February to April 2018, compared to 30-year average of 12.13 inches. Based on the WETS analysis, conditions were considered “normal” (Appendix D). However, 9.45 inches of rain had fallen in August with an additional 4.25 inches of rain in September prior to field work.

3.2 WETLANDS

Two wetlands were identified within the Property. Four wetland determination data forms were completed for the wetland and adjacent upland area and are included in Appendix B. The wetland and sample point locations are shown on Figure 5 (Appendix A).

Wetland W1

Wetland W1 is approximately 0.32 acres in size and consists of a fresh wet meadow wetland located in the eastern edge of the Property bordering the storm water pond, as shown in Figure 5. The wetland is identified on the WWI Map as an open water, standing water palustrine, excavated (W0Hx) wetland. Soils at the wetland sample point P2 met the Depleted Below Dark Surface (A11) hydric soil indicator. Hydrophytic vegetation was dominated by sandbar willow (*Salix interior*, FACW), black willow (*Salix nigra*, OBL), stalk-grain sedge (*Carex stipata*, OBL), and dark-green bulrush (*Scirpus atrovirens*, OBL). The hydrology indicators of High Water Table (A2), Saturation (A3), Water-Stained Leaves (B9), Drainage Patterns (B10), and the FAC Neutral Test (D5) were observed, which met the wetland hydrology criterion. Because all three wetland criteria were met at sample point P2, W1 was determined to be wetland.

Wetland W2

Wetland W2 is approximately 0.007 acres in size and consists of a floodplain forest wetland located in the northern edge of the Property, as shown in Figure 5. The wetland is identified on the WWI Map as a forested broad-leaved deciduous wet soil, palustrine (T3K) wetland. Soils at the wetland sample point P4 met the Redox Dark Surface (F6) hydric soil indicator. Hydrophytic vegetation was dominated by black willow, common buckthorn (*Rhamnus cathartica*, FAC). The hydrology indicators of Drift Deposits (B3), Drainage Patterns (B10), Geomorphic Position (D2), and the FAC Neutral Test (D5) were observed, which met the wetland hydrology criterion. Because all three wetland criteria were met at sample points P4, W2 was determined to be wetland.

3.3 UPLANDS

Uplands within the Property consisted of a business park with mowed upland lawn and some planted trees and shrubs. Dominant species present included, White oak (*Quercus alba*, FACU), common buckthorn, prickly ash (*Zanthoxylum americanum*, FACU), staghorn sumac (*Rhus typhina*, UPL), sideoats grama (*Bouteloua curtipendula*, UPL), Kentucky blue grass (*Poa pratensis*, FAC), and flat-stem blue grass (*Poa compressa*, FACU).

3.4 WATERWAYS

No waterways are identified by the WDNR Surface Water Web Viewer on the on the Property; and thus, no boundaries were marked in the field.

3.5 OTHER ENVIRONMENTAL CONSIDERATIONS

This report is limited to the identification of state and/or federally regulated wetlands within the Property. However, there may be other regulated environmental features within the Property, including, but not limited to, historical or archeological features, endangered or threatened species, jurisdictional waterways and/or floodplains, etc. Federal, state, and local units of government and regional planning organizations may have regulatory authority to control or

WETLAND DELINEATION REPORT

5.6 Acre Parcel Wetland Delineation
September 24, 2018

restrict land uses within or in close proximity to these features. Stantec can assist with identification and/or assessment of additional regulated resources at your request, to the extent that the work is within our range of expertise.

WETLAND DELINEATION REPORT

5.6 Acre Parcel Wetland Delineation
September 24, 2018

4.0 CONCLUSION

Stantec completed a wetland investigation on a 5.59-acre Parcel (the "Property") located on Washington Road, in the Village of Germantown, Wisconsin. The Property is comprised of two parcels with the parcel ID numbers GTNV254280 and GTNV25481, more specifically located in Section 25, Township 9 North, Range 20 East, Village of Germantown, Washington County, Wisconsin.

The investigation was completed by Brian Lennie of Stantec on September 11, 2018. Two wetlands were identified on the Property totaling 0.33 acres. Adjacent uplands were comprised of a developed lot with gradually sloped uplands and mowed lawn with some planted landscape trees.

The USACE has regulatory authority over Waters of the U.S., including adjacent wetlands, and the WDNR has regulatory authority over wetlands, navigable waters, and adjacent lands under Chapters 30 and 281 Wisconsin State Statutes and Wisconsin Administrative Codes NR 103, 299, 350, and 353. Finally, counties, townships, and municipalities may have local zoning authority over certain types of wetlands and waterways.

Prior to beginning work at this Property or disturbing or altering wetlands, waterways, or adjacent lands in any way, Stantec recommends that the owner obtain the necessary permits or other agency regulatory review and concurrence with regard to the proposed work to comply with applicable regulations. Stantec can assist with identification and/or assessment of additional regulated resources at your request, to the extent that the work is within our range of expertise.

The information provided by Stantec regarding wetland boundaries is a scientific-based analysis of the wetland and upland conditions present within the Study Area at the time of the fieldwork. The delineation was performed by experienced and qualified professionals using standard practices and sound professional judgment. The ultimate decision on wetland boundaries rests with the USACE and, in some cases, the WDNR or a local unit of government. As a result, there may be adjustments to boundaries based upon review by a regulatory agency. An agency determination can vary from time to time depending on various factors including, but not limited to, recent precipitation patterns and the season of the year. In addition, the physical characteristics of the Property can change over time depending on the weather, vegetation patterns, drainage activities on adjacent parcels, or other events. Any of these factors can change the nature and extent of wetlands within the Property.

WETLAND DELINEATION REPORT

5.6 Acre Parcel Wetland Delineation
September 24, 2018

5.0 REFERENCES

Cowardin, L.M., V. Carter, F. Golet, and E. LaRoe. (1979). *Classification of wetlands and deepwater habitats of the United States*. U.S. Department of the Interior, Fish and Wildlife Service, Washington, D.C. Jamestown, ND: Northern Prairie Wildlife Research Center Online. <http://www.fws.gov/wetlands/Documents/classwet/index.html> (Version 04DEC1998).

Eggers, S. D., & D. M. Reed, (2015). *Wetland Plants and Plant Communities of Minnesota and Wisconsin* (V. 3.2). U.S. Army Corps of Engineers, Regulatory Branch, St. Paul, MN District. Available at: <http://www.mvp.usace.army.mil/>.

Environmental Laboratory. (1987). "Corps of Engineers Wetlands Delineation Manual," Technical Report Y-87-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Lichvar, R.W., D.L. Banks, N.C. Melvin, and W. N. Kirchner. 2016. *The National Wetland Plant List: 2016 Update of Wetland Ratings*. Phytoneuron 2016-30: 1-17. Published 28 April 2016. ISSN 2153 733X <http://rsgisias.crrel.usace.army.mil/NWPL/>.

Minnesota Board of Water and Soil Resources, U.S. Army Corps of Engineers-St. Paul District, and University of Minnesota Department of Soil, Water and Climate. (2010). *Pocket Guide to Field Indicators of Hydric Soils in the United States – For use in Minnesota and Wisconsin*. (1st ed.). University of Minnesota Water Resources Center.

National Oceanic and Atmospheric Administration. (2015) Regional Climate Centers Applied Climate Information System. (2015). *WETS table*. Retrieved from <http://agacis.rcc-acis.org>.

Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Soil Survey Geographic (SSURGO) Database. Available online at <http://websoilsurvey.nrcs.usda.gov/> or <http://datagateway.nrcs.usda.gov/>.

Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Web Soil Survey. Available online at <http://websoilsurvey.nrcs.usda.gov/>.

U.S. Army Corps of Engineers (USACE) and Wisconsin Department of Natural Resources (WDNR). "Guidance for Submittal of Delineation Reports to the St. Paul District Army Corps of Engineers and the Wisconsin Department of Natural Resources", Issued March 4, 2015. Available online at <http://dnr.wi.gov/topic/wetlands/documents/FinalWisconsinDelineationGuidance.pdf>.

USACE. (2007). *Jurisdictional Determination Form Instructional Guidebook*. Retrieved from http://www.usace.army.mil/Portals/2/docs/civilworks/regulatory/cwa_guide/jd_guidebook_0512_07final.pdf.

USACE. 2016. National Wetland Plant List, version 3.3. USACE Engineer Research and Development Center, Cold Water Regions Research and Engineering Laboratory, Hanover, N.H. Retrieved from http://wetland_plants.usace.army.mil/.

WETLAND DELINEATION REPORT

5.6 Acre Parcel Wetland Delineation
September 24, 2018

USACE. 2010. *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region (Version 2.0)*, ed. J.S. Wakely, R.W. Lichvar, and C.V. Nobel. ERDC/EL TR-10-16. Vicksburg, MS: U.S. Army Engineer Research and Development Center.

U.S. Department of Agriculture, Natural Resource Conservation Service (USDA, NRCS). 2010. *Field Indicators of Hydric Soils in the United States*, Version 7.0. L.M. Vasilas, G.W. Hurt, and C.V. Noble (eds.). USDA, NRCS in cooperation with the National Technical Committee for Hydric Soils.

United States Geological Survey (USGS). *Wisconsin 7.5 Minute Series (Topographic) Maps*. 1:24,000. Reston, VA: United States Department of the Interior, USGS.

Wetland Training Institute, Inc. (2010). *Pocket guide to hydric soil field indicators*. (Robert J. Pierce, Ed.). (7th ed.). Glenwood, NM: Wetland Training Institute, Inc.

Wisconsin Department of Natural Resources (WDNR), Bureau of Watershed Management. (2010). [Digital inventory of Wisconsin wetlands]. *Wisconsin Wetland Inventory*.

WDNR, Division of Water. (2010). [24k hydrography geospatial data layer]. Available online: ftp://dnrftp01.wi.gov/geodata/hydro_24k/.

WDNR. (1992). *Wisconsin Wetland Inventory Classification Guide*. PUBL-WZ-WZ203. http://dnr.wi.gov/topic/wetlands/documents/WWI_Classification.pdf.

NRCS/USDA, Field Office Technical Guide. Regional Climate Centers Applied Climate Information System. Waukesha, WI WETS Table. <http://agacis.rcc-acis.org/fips=55133>

WETLAND DELINEATION REPORT

5.6 Acre Parcel Wetland Delineation
Appendix A – Figures
September 24, 2018

Appendix A – Figures

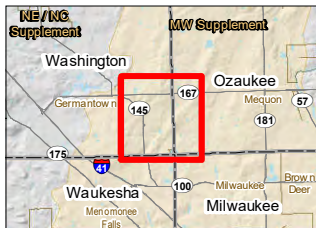
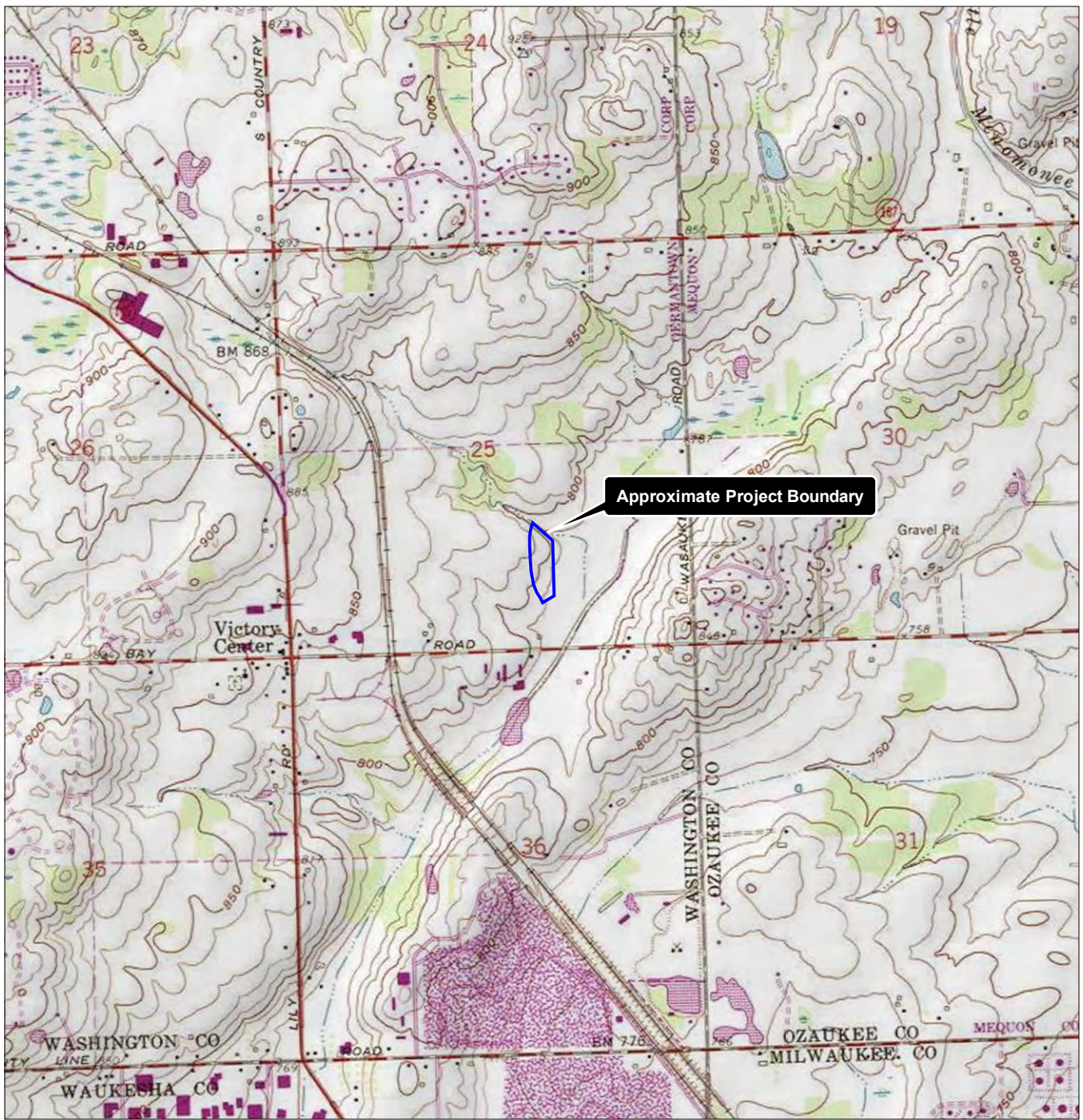
Figure 1. Project Location and Topography

Figure 2. NRCS Soil Survey Data – Hydric Ratings

Figure 3. NRCS Soil Survey Data – Wetland Indicator Soils

Figure 4. Wisconsin Wetland Inventory

Figure 5. Field Collected Data

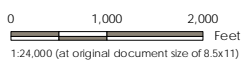


Legend
 Approximate Project Boundary

Figure No. **1**
 Title **Project Location and Topography**

Client/Project
 Enviro-Safe Consulting LLC.
 5.6 Acre Parcel Wetland Delineation

Project Location 19376367
 T9N, R20E, S25, Prepared by MEH on 2018-09-07
 V. of Germantown, Technical Review by AS on 2018-09-10
 Washington Co., WI Independent Review by BSL on 2018-09-20



- Notes**
1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet
 2. Data Sources Include: Stantec, WDOT, WDNR
 3. Background: USGS 7.5' Topographic Quadrangles

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.

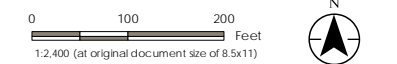




- Legend**
- Approximate Project Boundary
 - DNR 24k Hydrography
 - Perennial Stream
 - Intermittent Stream
 - Waterbody
 - NRCS Soil Survey Data
 - Wetland Indicator Soils
 - Poorly Drained
 - Somewhat Poorly Drained

Figure No. **3**
 Title: **NRCS Soil Survey Data Wetland Indicator Soils**
 Client/Project: **Enviro-Safe Consulting, LLC. 5.6 Acre Parcel Wetland Delineation**
 Project Location: 193706367
 T9N, R20E, S25, Prepared by MEH on 2018-09-07
 V. of Germantown, Technical Review by AS on 2018-09-10
 Washington Co., WI, Independent Review by BSL on 2018-09-20

Notes
 1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet
 2. Data Sources Include: Stantec, W&DOT, WDNR, NRCS
 3. Orthophotography: 2017 NAP

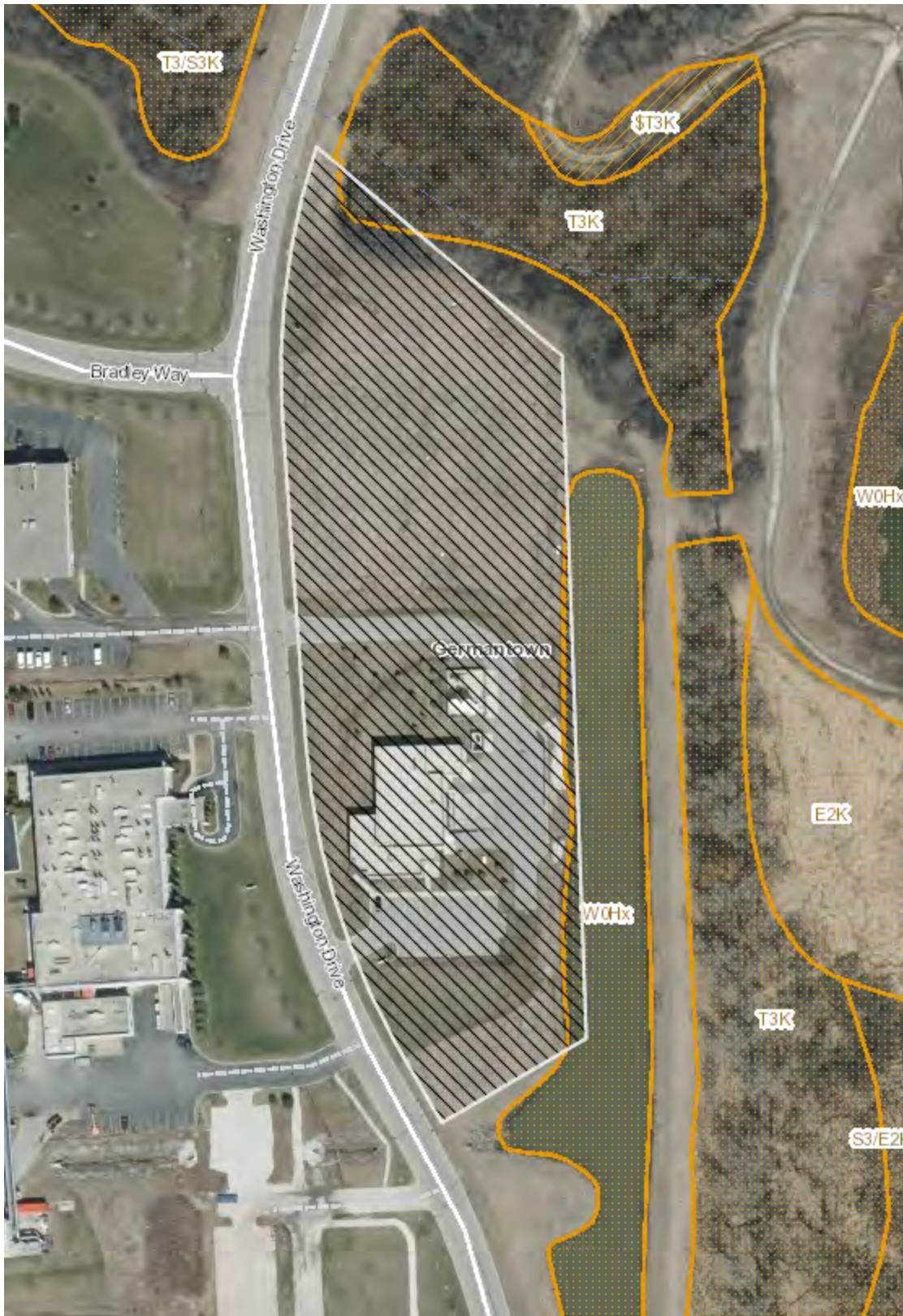


Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



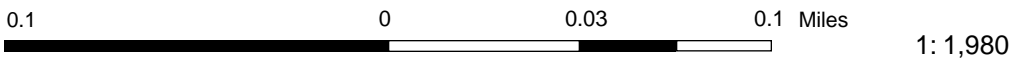


Figure 4 - Wisconsin Wetland Inventory



Legend

- ◆ Wetland Identifications and Confirmations
- Wetland Class Points**
 - ▲ Dammed pond
 - Excavated pond
 - Filled excavated pond
 - ▲ Filled/draind wetland
 - Wetland too small to delineate
- ▨ Filled Points
- Wetland Class Areas**
 - Wetland
 - Upland
- ▨ Filled Areas
- Wetland Class Points**
 - ▲ Dammed pond
 - Excavated pond
 - Filled excavated pond
 - ▲ Filled/draind wetland
 - Wetland too small to delineate
- ▨ Filled Points
- Wetland Class Areas**
 - Wetland
 - Upland
- ▨ Filled Areas
- Municipality
- State Boundaries
- County Boundaries
- Major Roads**
 - Interstate Highway
 - State Highway
 - US Highway
- County and Local Roads**
 - County HWY
 - Local Road
- + Railroads
- Tribal Lands
- Rivers and Streams
- Intermittent Streams



NAD_1983_HARN_Wisconsin_TM

DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. No warranty, expressed or implied, is made regarding accuracy, applicability for a particular use, completeness, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: <http://dnr.wi.gov/legal/>

Notes

WETLAND DELINEATION REPORT

5.6 Acre Parcel Wetland Delineation
Appendix B – Wetland Determination Data Forms
September 24, 2018

Appendix B – Wetland Determination Data Forms

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Enviro-Safe Resource Recovery City/County: Germantown Sampling Date: 9/11/18
 Applicant/Owner: Enviro-Safe Consulting, LLC. State: WI Sampling Point: P1
 Investigator(s): Brian Lennie Section, Township, Range: S25, T9N, R20E
 Landform (hillside, terrace, etc.): shoulder Local relief (concave, convex, none): none
 Slope (%): 6 Lat: N/A Long: N/A Datum: N/A
 Soil Map Unit Name: Ozaukee silt loam, high carbonate substratum, 2 to 6 percent slopes, eroded NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation X, Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No X
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u> Hydric Soil Present? Yes <u> </u> No <u>X</u> Wetland Hydrology Present? Yes <u> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
---	--

Remarks:
 WETS analysis indicates that antecedent precipitation is within the normal range. However, August was extremely wet and an additional 4.25 inches of rain fell in September prior to the sampling date. Mowed Lawn Area.

VEGETATION – Use scientific names of plants.

Tree Stratum	(Plot size: <u>30 ft radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status																																		
1.	_____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u> 1 </u> (A) Total Number of Dominant Species Across All Strata: <u> 2 </u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)																																	
2.	_____	_____	_____	_____																																		
3.	_____	_____	_____	_____																																		
4.	_____	_____	_____	_____																																		
5.	_____	_____	_____	_____																																		
		=Total Cover																																				
Sapling/Shrub Stratum	(Plot size: <u>15 ft radius</u>)																																					
1.	<u>Fraxinus pennsylvanica</u>	<u> 1 </u>	<u> No </u>	<u> FACW </u>	Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Total % Cover of:</td> <td style="text-align: right;">Multiply by:</td> <td></td> <td></td> </tr> <tr> <td>OBL species</td> <td><u> 0 </u></td> <td>x 1 =</td> <td><u> 0 </u></td> </tr> <tr> <td>FACW species</td> <td><u> 1 </u></td> <td>x 2 =</td> <td><u> 2 </u></td> </tr> <tr> <td>FAC species</td> <td><u> 70 </u></td> <td>x 3 =</td> <td><u> 210 </u></td> </tr> <tr> <td>FACU species</td> <td><u> 38 </u></td> <td>x 4 =</td> <td><u> 152 </u></td> </tr> <tr> <td>UPL species</td> <td><u> 0 </u></td> <td>x 5 =</td> <td><u> 0 </u></td> </tr> <tr> <td>Column Totals:</td> <td><u> 109 </u> (A)</td> <td></td> <td><u> 364 </u> (B)</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">Prevalence Index = B/A =</td> <td><u> 3.34 </u></td> </tr> </table>	Total % Cover of:	Multiply by:			OBL species	<u> 0 </u>	x 1 =	<u> 0 </u>	FACW species	<u> 1 </u>	x 2 =	<u> 2 </u>	FAC species	<u> 70 </u>	x 3 =	<u> 210 </u>	FACU species	<u> 38 </u>	x 4 =	<u> 152 </u>	UPL species	<u> 0 </u>	x 5 =	<u> 0 </u>	Column Totals:	<u> 109 </u> (A)		<u> 364 </u> (B)			Prevalence Index = B/A =		<u> 3.34 </u>
Total % Cover of:	Multiply by:																																					
OBL species	<u> 0 </u>	x 1 =	<u> 0 </u>																																			
FACW species	<u> 1 </u>	x 2 =	<u> 2 </u>																																			
FAC species	<u> 70 </u>	x 3 =	<u> 210 </u>																																			
FACU species	<u> 38 </u>	x 4 =	<u> 152 </u>																																			
UPL species	<u> 0 </u>	x 5 =	<u> 0 </u>																																			
Column Totals:	<u> 109 </u> (A)		<u> 364 </u> (B)																																			
		Prevalence Index = B/A =		<u> 3.34 </u>																																		
2.	_____	_____	_____	_____																																		
3.	_____	_____	_____	_____																																		
4.	_____	_____	_____	_____																																		
5.	_____	_____	_____	_____																																		
		=Total Cover																																				
Herb Stratum	(Plot size: <u>5 ft radius</u>)																																					
1.	<u>Poa pratensis</u>	<u> 70 </u>	<u> Yes </u>	<u> FAC </u>	Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u> </u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																																	
2.	<u>Poa compressa</u>	<u> 30 </u>	<u> Yes </u>	<u> FACU </u>																																		
3.	<u>Asclepias syriaca</u>	<u> 2 </u>	<u> No </u>	<u> FACU </u>																																		
4.	<u>Trifolium repens</u>	<u> 2 </u>	<u> No </u>	<u> FACU </u>																																		
5.	<u>Cichorium intybus</u>	<u> 2 </u>	<u> No </u>	<u> FACU </u>																																		
6.	<u>Cirsium arvense</u>	<u> 2 </u>	<u> No </u>	<u> FACU </u>																																		
7.	_____	_____	_____	_____																																		
8.	_____	_____	_____	_____																																		
9.	_____	_____	_____	_____																																		
10.	_____	_____	_____	_____																																		
		=Total Cover																																				
Woody Vine Stratum	(Plot size: <u>30 ft radius</u>)																																					
1.	_____	_____	_____	_____	Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>																																	
2.	_____	_____	_____	_____																																		
		=Total Cover																																				

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: P1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-7	10YR 2/2	100					Loamy/Clayey	
7-16	7.5YR 4/3	100					Loamy/Clayey	
16-20	7.5YR 3/3	100					Loamy/Clayey	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:	Indicators for Problematic Hydric Soils ³ :
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Coast Prairie Redox (A16)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Iron-Manganese Masses (F12)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Red Parent Material (F21)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Very Shallow Dark Surface (F22)
<input type="checkbox"/> Stratified Layers (A5)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> 2 cm Muck (A10)	
<input type="checkbox"/> Depleted Below Dark Surface (A11)	
<input type="checkbox"/> Thick Dark Surface (A12)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	
<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	
<input type="checkbox"/> Sandy Redox (S5)	
<input type="checkbox"/> Stripped Matrix (S6)	
<input type="checkbox"/> Dark Surface (S7)	
<input type="checkbox"/> Loamy Mucky Mineral (F1)	
<input type="checkbox"/> Loamy Gleyed Matrix (F2)	
<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Redox Depressions (F8)	

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
---	---

Remarks:
 This data form is revised from Midwest Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)

HYDROLOGY

Wetland Hydrology Indicators:	Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Gauge or Well Data (D9)	
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Other (Explain in Remarks)	

Field Observations: Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
---	---

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Enviro-Safe Resource Recovery City/County: Germantown Sampling Date: 9/11/18
 Applicant/Owner: Enviro-Safe Consulting, LLC. State: WI Sampling Point: P2
 Investigator(s): Brian Lennie Section, Township, Range: S25, T9N, R20E
 Landform (hillside, terrace, etc.): footslope Local relief (concave, convex, none): none
 Slope (%): 2 Lat: N/A Long: N/A Datum: N/A
 Soil Map Unit Name: Ozaukee silt loam, high carbonate substratum, 2 to 6 percent slopes, eroded NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>	Is the Sampled Area within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present? Yes <u>X</u> No <u> </u>	
Wetland Hydrology Present? Yes <u>X</u> No <u> </u>	

Remarks:
 WETS analysis indicates that antecedent precipitation is within the normal range. However, August was extremely wet and an additional 4.25 inches of rain fell in September prior to the sampling date.

VEGETATION – Use scientific names of plants.

<u>Tree Stratum</u> (Plot size: <u>30 ft radius</u>)	<u>Absolute % Cover</u>	<u>Dominant Species?</u>	<u>Indicator Status</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)	
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
=Total Cover				Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species <u>100</u> x 1 = <u>100</u> FACW species <u>25</u> x 2 = <u>50</u> FAC species <u>10</u> x 3 = <u>30</u> FACU species <u>0</u> x 4 = <u>0</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>135</u> (A) <u>180</u> (B) Prevalence Index = B/A = <u>1.33</u>	
<u>Sapling/Shrub Stratum</u> (Plot size: <u>15 ft radius</u>)	<u>Absolute % Cover</u>	<u>Dominant Species?</u>	<u>Indicator Status</u>		
1. <u>Salix interior</u>	<u>15</u>	<u>Yes</u>	<u>FACW</u>		
2. <u>Salix nigra</u>	<u>15</u>	<u>Yes</u>	<u>OBL</u>		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
=Total Cover					
<u>Herb Stratum</u> (Plot size: <u>5 ft radius</u>)	<u>Absolute % Cover</u>	<u>Dominant Species?</u>	<u>Indicator Status</u>	Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% <u>X</u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
1. <u>Carex stipata</u>	<u>30</u>	<u>Yes</u>	<u>OBL</u>		
2. <u>Scirpus atrovirens</u>	<u>30</u>	<u>Yes</u>	<u>OBL</u>		
3. <u>Typha angustifolia</u>	<u>20</u>	<u>No</u>	<u>OBL</u>		
4. <u>Carex blanda</u>	<u>10</u>	<u>No</u>	<u>FAC</u>		
5. <u>Symphytotrichum lateriflorum</u>	<u>5</u>	<u>No</u>	<u>FACW</u>		
6. <u>Epilobium coloratum</u>	<u>5</u>	<u>No</u>	<u>OBL</u>		
7. <u>Mentha arvensis</u>	<u>5</u>	<u>No</u>	<u>FACW</u>		
8. _____	_____	_____	_____		
9. _____	_____	_____	_____		
10. _____	_____	_____	_____		
=Total Cover					
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft radius</u>)	<u>Absolute % Cover</u>	<u>Dominant Species?</u>	<u>Indicator Status</u>	Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>	
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
=Total Cover					

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: P2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-6	10YR 2/1	100					Loamy/Clayey	
6-14	10YR 4/2	50	10YR 4/6	10	C	M	Loamy/Clayey	Prominent redox concentrations
	10YR 3/1	40						mixed matrix
14-21	10YR 5/3	90	10YR 5/6	10	C	M	Loamy/Clayey	Distinct redox concentrations

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:	Indicators for Problematic Hydric Soils ³ :
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Coast Prairie Redox (A16)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Iron-Manganese Masses (F12)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Red Parent Material (F21)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Very Shallow Dark Surface (F22)
<input type="checkbox"/> Stratified Layers (A5)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> 2 cm Muck (A10)	
<input checked="" type="checkbox"/> Depleted Below Dark Surface (A11)	
<input type="checkbox"/> Thick Dark Surface (A12)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	
<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	
<input type="checkbox"/> Sandy Redox (S5)	
<input type="checkbox"/> Stripped Matrix (S6)	
<input type="checkbox"/> Dark Surface (S7)	
<input type="checkbox"/> Loamy Mucky Mineral (F1)	
<input type="checkbox"/> Loamy Gleyed Matrix (F2)	
<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Redox Depressions (F8)	

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
---	---

Remarks:
 This data form is revised from Midwest Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)

HYDROLOGY

Wetland Hydrology Indicators:	Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input checked="" type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input checked="" type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Gauge or Well Data (D9)	
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Other (Explain in Remarks)	

Field Observations: Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u> 4 </u> Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u> 0 </u> (includes capillary fringe)	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
---	---

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Enviro-Safe Resource Recovery City/County: Germantown Sampling Date: 9/11/18
 Applicant/Owner: Enviro-Safe Consulting, LLC. State: WI Sampling Point: P3
 Investigator(s): Brian Lennie Section, Township, Range: S25, T9N, R20E
 Landform (hillside, terrace, etc.): summit Local relief (concave, convex, none): none
 Slope (%): 5 Lat: N/A Long: N/A Datum: N/A
 Soil Map Unit Name: Virgil silt loam, gravelly substratum, 0 to 3 percent slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation X, Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No X
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u> Hydric Soil Present? Yes <u> </u> No <u>X</u> Wetland Hydrology Present? Yes <u> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
---	--

Remarks:
 WETS analysis indicates that antecedent precipitation is within the normal range. However, August was extremely wet and an additional 4.25 inches of rain fell in September prior to the sampling date. Vegetation disturbed from mowing.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Quercus alba</u>	40	Yes	FACU	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33.3%</u> (A/B)																
2. _____																				
3. _____																				
4. _____																				
5. _____																				
40 = Total Cover																				
Sapling/Shrub Stratum (Plot size: <u>15 ft radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Rhamnus cathartica</u>	20	Yes	FAC	Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Total % Cover of:</td> <td style="text-align: center;">Multiply by:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>10</u></td> <td>x 2 = <u>20</u></td> </tr> <tr> <td>FAC species <u>20</u></td> <td>x 3 = <u>60</u></td> </tr> <tr> <td>FACU species <u>90</u></td> <td>x 4 = <u>360</u></td> </tr> <tr> <td>UPL species <u>90</u></td> <td>x 5 = <u>450</u></td> </tr> <tr> <td>Column Totals: <u>210</u> (A)</td> <td><u>890</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>4.24</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>10</u>	x 2 = <u>20</u>	FAC species <u>20</u>	x 3 = <u>60</u>	FACU species <u>90</u>	x 4 = <u>360</u>	UPL species <u>90</u>	x 5 = <u>450</u>	Column Totals: <u>210</u> (A)	<u>890</u> (B)	Prevalence Index = B/A = <u>4.24</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>10</u>	x 2 = <u>20</u>																			
FAC species <u>20</u>	x 3 = <u>60</u>																			
FACU species <u>90</u>	x 4 = <u>360</u>																			
UPL species <u>90</u>	x 5 = <u>450</u>																			
Column Totals: <u>210</u> (A)	<u>890</u> (B)																			
Prevalence Index = B/A = <u>4.24</u>																				
2. <u>Zanthoxylum americanum</u>	20	Yes	FACU																	
3. <u>Rhus typhina</u>	10	Yes	UPL																	
4. _____																				
5. _____																				
50 = Total Cover																				
Herb Stratum (Plot size: <u>5 ft radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Bouteloua curtipendula</u>	70	Yes	UPL	Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u> </u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
2. <u>Trifolium hybridum</u>	10	No	FACU																	
3. <u>Trifolium repens</u>	10	No	FACU																	
4. <u>Daucus carota</u>	10	No	UPL																	
5. <u>Elymus repens</u>	10	No	FACU																	
6. _____																				
7. _____																				
8. _____																				
9. _____																				
10. _____																				
110 = Total Cover																				
Woody Vine Stratum (Plot size: <u>30 ft radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Vitis riparia</u>	10	Yes	FACW	Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>																
2. _____																				
10 = Total Cover																				

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: P3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-4	10YR 3/3	100					Loamy/Clayey	
4-12	7.5YR 4/3	100					Loamy/Clayey	
12-14	7.5YR 4/4	70					Loamy/Clayey	
	10YR 7/4	30						Sandy

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:	Indicators for Problematic Hydric Soils³:
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Coast Prairie Redox (A16)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Iron-Manganese Masses (F12)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Red Parent Material (F21)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Very Shallow Dark Surface (F22)
<input type="checkbox"/> Stratified Layers (A5)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> 2 cm Muck (A10)	
<input type="checkbox"/> Depleted Below Dark Surface (A11)	
<input type="checkbox"/> Thick Dark Surface (A12)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	
<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	
<input type="checkbox"/> Sandy Redox (S5)	
<input type="checkbox"/> Stripped Matrix (S6)	
<input type="checkbox"/> Dark Surface (S7)	
<input type="checkbox"/> Loamy Mucky Mineral (F1)	
<input type="checkbox"/> Loamy Gleyed Matrix (F2)	
<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Redox Depressions (F8)	

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: <u> hard sandy clay </u> Depth (inches): <u> 14 </u>	Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
--	---

Remarks:
This data form is revised from Midwest Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)

HYDROLOGY

Wetland Hydrology Indicators:	Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Gauge or Well Data (D9)	
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Other (Explain in Remarks)	

Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <u> </u>	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <u> </u>	
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <u> </u>	
(includes capillary fringe)	

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Enviro-Safe Resource Recovery City/County: Germantown Sampling Date: 9/11/18
 Applicant/Owner: Enviro-Safe Consulting, LLC. State: WI Sampling Point: P4
 Investigator(s): Brian Lennie Section, Township, Range: S25, T9N, R20E
 Landform (hillside, terrace, etc.): terrace Local relief (concave, convex, none): none
 Slope (%): 2 Lat: N/A Long: N/A Datum: N/A
 Soil Map Unit Name: Mussey loam, 0 to 3 percent slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u> Hydric Soil Present? Yes <u>X</u> No <u>0</u> Wetland Hydrology Present? Yes <u>X</u> No <u> </u>	Is the Sampled Area within a Wetland? Yes <u>X</u> No <u> </u>
--	--

Remarks:
 WETS analysis indicates that antecedent precipitation is within the normal range. However, August was extremely wet and an additional 4.25 inches of rain fell in September prior to the sampling date.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Salix nigra</u>	<u>30</u>	Yes	OBL	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>80.0%</u> (A/B)																
2. _____																				
3. _____																				
4. _____																				
5. _____																				
<u>30</u> =Total Cover																				
Sapling/Shrub Stratum (Plot size: <u>15 ft radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Rhamnus cathartica</u>	<u>75</u>	Yes	FAC	Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Total % Cover of:</td> <td style="text-align: center;">Multiply by:</td> </tr> <tr> <td>OBL species <u>30</u></td> <td style="text-align: center;">x 1 = <u>30</u></td> </tr> <tr> <td>FACW species <u>30</u></td> <td style="text-align: center;">x 2 = <u>60</u></td> </tr> <tr> <td>FAC species <u>135</u></td> <td style="text-align: center;">x 3 = <u>405</u></td> </tr> <tr> <td>FACU species <u>10</u></td> <td style="text-align: center;">x 4 = <u>40</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td style="text-align: center;">x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>205</u> (A)</td> <td style="text-align: center;"><u>535</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>2.61</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>30</u>	x 1 = <u>30</u>	FACW species <u>30</u>	x 2 = <u>60</u>	FAC species <u>135</u>	x 3 = <u>405</u>	FACU species <u>10</u>	x 4 = <u>40</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>205</u> (A)	<u>535</u> (B)	Prevalence Index = B/A = <u>2.61</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>30</u>	x 1 = <u>30</u>																			
FACW species <u>30</u>	x 2 = <u>60</u>																			
FAC species <u>135</u>	x 3 = <u>405</u>																			
FACU species <u>10</u>	x 4 = <u>40</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>205</u> (A)	<u>535</u> (B)																			
Prevalence Index = B/A = <u>2.61</u>																				
2. <u>Ribes americanum</u>	<u>5</u>	No	FACW																	
3. _____																				
4. _____																				
5. _____																				
<u>80</u> =Total Cover																				
Herb Stratum (Plot size: <u>5 ft radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Rhamnus cathartica</u>	<u>60</u>	Yes	FAC	Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% <u>X</u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
2. <u>Thalictrum dasycarpum</u>	<u>5</u>	No	FACW																	
3. <u>Geum aleppicum</u>	<u>5</u>	No	FACW																	
4. <u>Symphotrichum lateriflorum</u>	<u>5</u>	No	FACW																	
5. _____																				
6. _____																				
7. _____																				
8. _____																				
9. _____																				
10. _____																				
<u>75</u> =Total Cover																				
Woody Vine Stratum (Plot size: <u>30 ft radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Parthenocissus quinquefolia</u>	<u>10</u>	Yes	FACU	Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>																
2. <u>Vitis riparia</u>	<u>10</u>	Yes	FACW																	
<u>20</u> =Total Cover																				

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: P4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-6	10YR 2/1	100					Loamy/Clayey	
6-18	10YR 3/1	98	10YR 4/6	2	C	M	Loamy/Clayey	Prominent redox concentrations
18-20	10YR 4/2	70	10YR 4/6	10	C	M	Loamy/Clayey	Prominent redox concentrations
	10YR 3/3	20						some sand and gravel

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:	Indicators for Problematic Hydric Soils ³ :
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Coast Prairie Redox (A16)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Iron-Manganese Masses (F12)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Red Parent Material (F21)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Very Shallow Dark Surface (F22)
<input type="checkbox"/> Stratified Layers (A5)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> 2 cm Muck (A10)	
<input type="checkbox"/> Depleted Below Dark Surface (A11)	
<input type="checkbox"/> Thick Dark Surface (A12)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	
<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	
<input type="checkbox"/> Sandy Redox (S5)	
<input type="checkbox"/> Stripped Matrix (S6)	
<input type="checkbox"/> Dark Surface (S7)	
<input type="checkbox"/> Loamy Mucky Mineral (F1)	
<input type="checkbox"/> Loamy Gleyed Matrix (F2)	
<input type="checkbox"/> Depleted Matrix (F3)	
<input checked="" type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Redox Depressions (F8)	

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: <u> </u> sand/gravel Depth (inches): <u> 20 </u>	Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
---	---

Remarks:
 This data form is revised from Midwest Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)

HYDROLOGY

Wetland Hydrology Indicators:	Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input checked="" type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input checked="" type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Gauge or Well Data (D9)	
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Other (Explain in Remarks)	

Field Observations: Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <u> </u> Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <u> </u> Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <u> </u> (includes capillary fringe)	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
---	---

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DELINEATION REPORT

5.6 Acre Parcel Wetland Delineation

Appendix C – Site Photographs

September 24, 2018

Appendix C – Site Photographs



Photo 1. Sample Point P1, sample pit



Photo 2. Sample Point P1, view east



Photo 3. Sample Point P2, sample pit



Photo 4. Sample Point P2, view south



Photo 5. Sample Point P3, sample pit



Photo 6. Sample Point P3, view north



Photo 7. Sample Point P4, sample pit



Photo 8. Sample Point P4, view north

WETLAND DELINEATION REPORT

5.6 Acre Parcel Wetland Delineation

Appendix D – WETS Analysis

September 24, 2018

Appendix D – WETS Analysis

WETS Analysis Worksheet

Project Name: Enviro-Safe CSM
 Project Number: 193706367
 Period of interest: June - August
 Station: Germantown, WI GERW3 (NWS LI)
 County: Washington County, WI

Long-term rainfall records (from WETS table)

	Month	3 years in 10 less than	Normal	3 years in 10 greater than
1st month prior:	August	2.71	3.98	4.75
2nd month prior:	July	2.68	3.88	4.62
3rd month prior:	June	2.62	4.27	5.16
		Sum =	12.13	

Site determination

Site Rainfall (in)	Condition Dry/Normal*/Wet	Condition** Value	Month Weight	Product
9.45	Wet	3	3	9
2.63	Dry	1	2	2
3.98	Normal	2	1	2
Sum =			Sum*** =	13

*Normal precipitation with 30% to 70% probability of occurrence

Determination: _____ Wet

**Condition value:

Dry = 1
 Normal = 2
 Wet = 3

***If sum is:

6 to 9 then period has been drier than normal
 10 to 14 then period has been normal
 15 to 18 then period has been wetter than normal

_____ Dry
X _____ Normal

Precipitation data source: <http://agacis.rcc-acis.org/?fips=55131>

Reference: Donald E. Woodward, ed. 1997. *Hydrology Tools for Wetland Determination*, Chapter 19. Engineering Field Handbook. U.S. Department of Agriculture, Natural Resources Conservation Service, Fort Worth, TX.

WETS Table

WETS Station: GERMANTOWN,
WI

Requested years: 1986 - 2018

Month	Avg Max Temp	Avg Min Temp	Avg Mean Temp	Avg Precip	30% chance precip less than	30% chance precip more than	Avg number days precip 0.10 or more	Avg Snowfall
Jan	27.6	11.5	19.6	1.50	0.91	1.82	4	13.4
Feb	30.8	13.6	22.2	1.32	0.77	1.60	3	12.1
Mar	42.0	23.7	32.9	1.91	1.19	2.31	5	6.4
Apr	54.7	34.2	44.4	3.75	2.57	4.47	7	1.7
May	66.7	44.7	55.7	3.78	2.41	4.55	7	0.3
Jun	76.7	54.1	65.4	4.27	2.62	5.16	7	0.0
Jul	80.8	59.1	69.9	3.88	2.68	4.62	6	0.0
Aug	79.0	57.6	68.3	3.98	2.71	4.75	7	0.0
Sep	72.2	49.4	60.8	3.42	1.96	4.16	6	0.0
Oct	59.3	38.1	48.7	2.45	1.60	2.94	6	0.1
Nov	45.4	28.0	36.7	2.09	1.19	2.54	5	2.2
Dec	32.4	17.2	24.8	1.78	0.99	2.16	4	11.9
Annual:					31.78	36.09		
Average	55.6	35.9	45.8	-	-	-	-	-
Total	-	-	-	34.12			67	48.2

GROWING SEASON DATES

Years with missing data:	24 deg = 1	28 deg = 1	32 deg = 1
Years with no occurrence:	24 deg = 0	28 deg = 0	32 deg = 0
Data years used:	24 deg = 32	28 deg = 32	32 deg = 32
Probability	24 F or higher	28 F or higher	32 F or higher
50 percent *	4/10 to 11/2: 206 days	4/27 to 10/14: 170 days	5/8 to 10/5: 150 days
70 percent *	4/4 to 11/8: 218 days	4/22 to 10/20: 181 days	5/3 to 10/10: 160 days

* Percent chance of the growing season occurring between the Beginning and Ending dates.

STATS TABLE - total precipitation (inches)

Yr	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annl
1944						4.36	1.62	1.89	3.07	0.33	2.26	1.25	14.78
1945	0.48	1.38	1.20	2.87	4.29	3.29	1.21	7.49	5.76	0.86	3.37	1.10	33.30
1946	2.00	0.90	3.03	1.21	2.38	3.48	0.18	1.31	2.49	1.25	2.50	1.65	22.38
1947	1.51	M1.20	1.10	3.70	M4.54	2.90	2.67	2.50	5.54	1.73	2.85	1.21	31.45
1948	M0.84	1.80	3.15	2.93	3.07	3.15	1.34	1.05	1.49	0.62	3.32	2.10	24.86
1949	1.75	1.49	1.93	1.43	1.35	6.72	4.65	2.47	1.45	1.79	0.38	1.67	27.08
1950	2.24	0.82	2.27	3.23	2.34	4.27	6.10	M2.38	2.86	0.57	0.90	1.85	29.83
1951	1.87	1.73	3.74	5.39	1.58	1.82	3.62	2.78	3.35	6.03	3.01	M0.99	35.91
1952	1.88	0.58	2.02	1.88	3.33	M2.36	7.99	3.98	0.	0.	3.57	1.44	29.

										55	04		62
1953	0.79	1.36	M0.63	2.83	3.66	5.79	2.15	2.13	1.44	0.79	0.43	1.37	23.37
1954	0.61	0.76	M0.19	3.85	1.98	9.36	4.76	4.98	3.26	4.21	0.60	1.14	35.70
1955	0.66	1.13	0.67	4.09	3.23	4.68	2.52	0.53	1.55	2.69	0.81	0.45	23.01
1956	0.27	0.91	1.62	2.58	4.11	1.46	6.01	3.82	0.59	0.23	1.68	0.80	24.08
1957	0.41	0.37	0.82	3.03	4.06	3.99	2.23	2.89	0.95	1.32	2.09	1.58	23.74
1958	0.42	0.07	0.26	1.57	2.52	2.49	1.37	4.14	4.38	3.11	3.20	0.12	23.65
1959	1.04	1.22	2.77	2.52	M1.20	1.68	2.56	2.50	2.94	4.85	1.77	M1.85	26.90
1960	2.39	1.48	1.65	3.35	4.59	3.39	5.06	7.57	6.35	M2.46	1.83	T	40.12
1961	0.10	0.61	2.81	2.37	1.28	2.05	1.86	2.55	6.84	3.50	2.38	1.12	27.47
1962	M0.80	0.98	1.17	0.95	1.67	1.59	4.29	1.51	2.01	1.91	1.36	0.57	18.81
1963	0.55	0.14	1.31	0.98	3.43	3.78	1.65	4.15	2.37	0.61	2.47	0.44	21.88
1964	1.48	0.09	1.76	4.50	2.20	1.02	10.11	2.50	2.17	0.23	2.56	0.49	29.11
1965	1.51	0.81	2.88	2.86	1.45	1.41	3.27	3.87	10.03	3.96	1.65	3.06	36.76
1966	1.24	1.03	2.45	2.39	2.00	1.10	1.19	2.95	1.67	1.92	1.53	2.18	21.65
1967	1.02	0.84	1.35	2.13	2.34	4.76	1.30	1.89	1.02	3.38	2.22	1.18	23.43
1968	0.59	0.35	0.39	4.36	4.04	5.56	2.86	3.10	3.84	1.35	1.92	1.94	30.30
1969	1.91	0.04	0.73	2.46	3.07	6.55	3.34	3.50	1.24	3.92	1.32	2.09	30.17
1970	0.63	0.19	1.46	1.30	5.20	2.67	4.84	1.12	6.37	2.41	1.71	1.76	29.66
1971	0.93	3.19	1.80	2.78	2.34	2.96	1.74	3.03	1.86	2.43	2.94	4.20	30.20
1972	0.51	0.32	1.21	1.47	2.61	3.07	4.70	7.45	8.90	2.70	1.12	2.39	36.45
1973	0.67	0.92	2.03	4.75	5.40	2.06	0.69	1.68	4.20	4.33	1.82	2.66	31.21
1974	2.01	1.25	2.78	3.46	3.08	4.46	3.54	3.30	1.12	2.34	1.90	1.83	31.07
1975	1.63	1.07	2.49	2.17	1.01	4.32	5.17	6.62	0.79	0.27	4.19	0.75	30.48
1976	1.09	1.48	4.64	3.26	2.71	1.75	2.06	1.11	0.78	1.97	0.50	0.27	21.62
1977	0.32	0.45	3.62	1.82	0.58	5.37	5.59	6.74	3.23	2.65	2.82	1.84	35.03
1978	0.80	0.26	0.36	2.63	4.43	6.16	4.49	1.53	5.38	1.63	2.35	1.46	31.48
1979	1.59	0.65	3.60	3.49	2.22	1.66	2.45	5.24	T	1.86	2.36	1.64	26.76
1980	1.11	0.50	0.46	3.20	1.75	3.40	3.48	7.27	5.15	1.17	1.12	0.95	29.56
1981	0.03	1.68	0.54	3.68	1.16	2.98	5.69	4.39	5.63	4.90	1.71	M0.63	33.02
1982	M1.22	0.12	1.92	3.69	3.94	2.89	2.66	3.19	1.08	2.05	M4.56	2.86	30.18
1983	M0.55	1.21	2.52	3.63	4.36	2.56	2.11	6.44	3.42	1.84	3.53	M1.85	34.02
1984	0.50	1.78	1.32	4.66	3.94	6.18	4.54	3.50	3.06	5.10	4.55	2.82	41.95
1985	1.32	2.00	2.43	1.76	1.62	1.81	3.39	2.95	4.81	4.79	6.70	2.04	35.62
1986	0.78	2.56	1.78	2.68	1.88	5.00	5.19	5.33	10.00	2.00	M1.00	0.36	39.00

										43	42	01	42
1987	1.03	T	2.65	4.08	2.49	2.19	4.64	4.54	4.45	1.42	2.76	4.27	34.52
1988	2.51	0.60	1.12	3.44	0.53	1.19	1.03	2.21	4.99	1.95	4.28	1.52	25.37
1989	0.37	0.43	2.09	1.16	3.79	2.68	6.10	6.17	3.29	1.47	0.66	0.27	28.48
1990	1.81	1.10	2.34	2.03	6.32	4.27	2.14	5.65	4.27	2.64	2.62	2.74	37.93
1991	1.00	0.25	3.32	3.79	3.28	4.23	4.66	3.46	3.97	5.47	M3.27	1.62	38.32
1992	M0.97	1.55	M2.76	M2.88	0.78	1.15	3.98	4.24	4.05	1.24	5.18	1.90	30.68
1993	M2.17	1.16	1.56	8.47	2.66	5.50	5.37	3.28	4.17	0.78	1.57	0.28	36.97
1994	M1.49	3.08	0.83	1.28	1.57	3.38	8.75	3.75	1.80	0.75	3.22	0.98	30.88
1995	1.56	0.13	2.11	4.04	3.40	0.97	2.28	9.03	1.20	4.17	3.00	0.69	32.58
1996	1.98	0.91	0.50	3.20	2.94	9.31	3.96	2.18	2.02	4.74	0.64	1.41	33.79
1997	1.80	2.73	1.37	1.23	4.12	9.61	5.41	4.39	1.86	1.41	M1.15	1.41	36.49
1998	3.25	2.09	4.18	4.48	2.76	4.32	2.02	3.77	1.40	3.04	2.11	0.84	34.26
1999	4.62	1.02	1.46	6.75	4.97	4.55	8.39	2.06	3.39	0.69	1.02	M1.53	40.45
2000	M0.93	1.47	1.71	2.96	8.28	4.60	5.05	3.79	5.29	1.33	M2.88	M5.01	43.30
2001	M1.45	M3.06	0.32	3.90	4.63	5.12	2.03	3.28	6.43	3.20	0.64	1.10	35.16
2002	1.25	M1.53	1.63	3.91	2.30	5.85	2.31	5.38	M3.67	2.90	M0.75	0.63	32.11
2003	0.45	0.75	1.14	2.11	6.38	2.31	2.59	3.69	2.11	M1.78	5.67	1.92	30.90
2004	M0.89	0.98	4.27	2.91	12.83	5.41	1.88	2.46	0.09	3.13	2.25	1.57	38.67
2005	3.48	2.14	1.22	1.09	M3.15	1.91	3.27	3.56	4.59	0.78	4.22	1.23	30.64
2006	M2.50	0.75	3.14	4.24	6.11	2.38	2.82	3.61	3.71	4.55	1.65	1.69	37.15
2007	1.17	1.54	3.01	3.26	2.34	1.82	6.38	10.77	1.92	2.30	0.21	M1.70	36.42
2008	1.82	M2.00	1.29	7.79	1.33	9.87	3.37	1.48	3.98	2.17	1.21	3.14	39.45
2009	0.73	1.19	3.20	4.55	2.90	2.77	1.13	3.04	1.89	4.35	1.16	3.52	30.43
2010	0.74	0.60	0.50	M5.01	3.28	6.50	8.61	1.71	2.26	1.80	0.91	1.41	33.33
2011	1.00	1.67	2.86	5.14	2.53	4.26	4.63	1.65	6.44	1.03	2.17	1.23	34.61
2012	1.04	0.84	2.88	2.46	3.65	0.38	2.85	3.51	1.32	M4.64	0.51	3.62	27.70
2013	2.70	2.49	1.12	6.70	5.62	4.88	2.58	0.82	2.46	1.77	2.55	0.89	34.58
2014	0.55	0.97	0.65	4.76	2.66	7.43	2.33	2.50	1.15	2.31	1.64	0.94	27.89
2015	0.35	0.26	0.64	5.79	3.23	2.39	3.12	3.89	5.40	1.26	3.24	5.36	34.93
2016	0.28	0.37	2.77	1.64	2.15	3.91	2.89	4.10	4.59	4.12	1.52	1.60	29.94
2017	1.86	1.16	2.00	4.36	4.97	6.63	3.76	2.50	0.80	2.80	1.11	0.45	32.40
2018	1.08	2.22	0.56	1.62	4.84	3.98	2.63	9.45	M4.25				30.63

Notes: Data missing in any month have an "M" flag. A "T" indicates a trace of precipitation.

WETLAND DELINEATION REPORT

5.6 Acre Parcel Wetland Delineation

Appendix E – Qualifications

September 24, 2018

Appendix E – Qualifications

Environmental Technology Center

certifies that

Brian Lennie

has successfully completed the

U.S. Army Corps of Engineers Wetland Delineation Certification Training Program

Issued Certificate No. 291 on this sixteenth day of August, 1996, in Oakbrook Terrace, Illinois

Richard Chinn, C.E.T., Director of Training
USACOE Certified Wetland Delineator

Environmental Technology Center
8413 Laurel Fair Circle, Suite 200, Tampa, FL 33610-7355
Ph: 813-621-8848 Fax: 813-621-0153



This training has been based in part on the U.S. Army Corps of Engineers Wetlands Delineation Manual, Technical Report Y-87-1 (1987 Manual), as provided for in the training materials developed in conjunction with Section 307(e) of the Water Resources Development Act of 1990 for the Wetland Delineator Certification Program.

Certificate of Attendance

University of Wisconsin-La Crosse

Brian Lennie

Has Completed: 19 Hours of

Advanced Wetland Delineation Training on this 31st day of August, 2001

Sponsored by

UW-La Crosse River Studies Center
and UW-La Crosse Continuing Education/Extension

in cooperation with

State of Wisconsin Department of Administration, Wisconsin Coastal Management Program
Southeastern Wisconsin Regional Planning Commission
United States Geological Survey
USDA-Natural Resources Conservation Service
Wisconsin Department of Natural Resources

Certificate of Attendance

University of Wisconsin-La Crosse

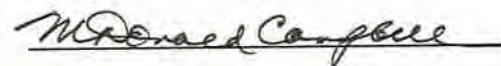
Brian Lennie

has completed 16 hours of advanced wetland delineation training sponsored by the River Studies Center and Continuing Education and Extension in cooperation with the Wisconsin Department of Administration, Wisconsin Coastal Management Council, Wisconsin Department of Natural Resources and UW-Extension, on this 18th day of August, 2000.



Mark Sandheinrich, Director

UW-La Crosse, River Studies Center



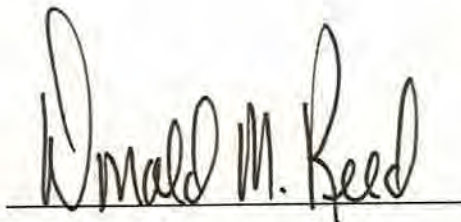
M. Donald Campbell, Director

UW-La Crosse, Continuing Education and Extension



Dea Larsen Converse, Program Manager

Wisconsin Coastal Management Program



Donald M. Reed, Chief Biologist

S.E. Wisconsin Regional Planning Commission



B. Dale Simon, Chief Biologist, Regulations Section

Wisconsin Department of Natural Resources



STORMWATER MANAGEMENT COMMISSION

**Lake County Stormwater Management
Commission**

grants the designation of

Certified Wetland Specialist #C-010

to

Brian Lennie

In fulfillment of the professional requirements approved by the Lake County Stormwater Management Commission under the Lake County Watershed Development Ordinance (rev. 8-14-02).

Handwritten signature of Michael D. Warner in black ink.

Michael D. Warner, Chief Engineer

April 30, 2002

Handwritten signature of Glenn H. Westman in black ink.

Glenn H. Westman, CWS Administrator



STORMWATER MANAGEMENT COMMISSION

August 24, 2017

Mr. Brian Lennie
Stantec
12075 Corporate Parkway, Suite 200
Mequon, WI 53092

RE: Lake County Certified Wetland Specialist # C-010– Re-Certification

Dear Brian:

The Lake County Stormwater Management Commission (SMC) is pleased to approve your re-certification as a *Certified Wetland Specialist (CWS)*, in accordance with the Lake County Watershed Development Ordinance (WDO). Your CWS certification is valid until September 17, 2020.

To maintain your certification, you will need to obtain a minimum of 24 hours of wetland-related training before the expiration date, including any designated SMC-mandatory training courses. If you are considering attending a training course and are not sure if will qualify as “wetland-related” training for your CWS certification, please provide us with information on the course (e.g., flyer, brochure, agenda, etc.) and we will advise you accordingly.

If you have any questions regarding your CWS certification, please call me at (847)377-7718 or e-mail me at gwestman@lakecountyil.gov.

Sincerely,

Lake County Stormwater Management Commission

A handwritten signature in black ink that reads "Glenn H. Westman".

Glenn H. Westman, P.W.S., CWS
Principal Wetland Specialist/CWS Program Administrator

McHenry County Certified Wetland Specialists

The following is a list of persons that have met the minimum requirements for being a Certified Wetland Specialist (CWS) as specified in the McHenry County Stormwater Management Ordinance (SMO). This list is provided as a courtesy for persons seeking Certified Wetland Specialist consulting expertise. The inclusion of a firm or person on this list does not constitute a recommendation, endorsement, or certification of performance. It is the responsibility of consultants to be knowledgeable of the professional qualifications necessary to provide such services and to obtain the requisite expertise. McHenry County personnel will not provide any recommendations. Those seeking professional services are advised to utilize independent judgment in evaluating the credentials of any firm or person appearing on this list.

FIRST NAME	LAST NAME	COMPANY	ADDRESS	PHONE	E-MAIL ADDRESS
Cheryl	Nash	AECOM	303 E. Wacker Dr., Suite 1400, Chicago, IL 60601	(312) 373-6808	cheryl.nash@aecom.com
Bryce	Pewonka	AECOM	207 N. Broadway, Suite 315, Billings, MT 59101	(406) 652-7481	
Teri	Radke	AECOM	303 E. Wacker Dr., Suite 1400, Chicago, IL 60601	(312) 373-7086	teri.radke@aecom.com
John	Larson	Applied Ecological Services	17921 Smith Rd., PO Box 256, Brodhead, WI 53520	(608) 897-8641	john@appliedeco.com
William	Stoll	Applied Ecological Services	120 W. Main St., #201, West Dundee, IL 60118	(847) 844-9385	
Steve	Zimmerman	Applied Ecological Services	120 W. Main St., #201, West Dundee, IL 60118	(847) 844-9385	stevez@appliedeco.com
Thomas	Ganfield	Baxter & Woodman, Inc.	256 S. Pine St., Burlington, WI 53105	(262) 763-7834	tganfield@baxterwoodman.com
Valerie	Jakobi	Bollinger Environmental, Inc.	4901 Forest Ave., Suite C, Downers Grove, IL 60515	(630) 968-1960	val.jakobi@gmail.com
Justin	Bailey	Burns & McDonnell	9400 Ward Pkwy., Kansas City, MO 64114	(816) 333-9400	jbailey@burnsmcd.com
Edward	Belmonte	Burns & McDonnell	1431 Opus Pl., Suite 400, Downers Grove, IL 60515	(630) 724-3393	ebelmonte@burnsmcd.com
Sarah	Gutman	Burns & McDonnell	1431 Opus Pl., Suite 400, Downers Grove, IL 60515	(630) 724-3200	sgutman@burnsmcd.com
Amy	Moon	Burns & McDonnell	1431 Opus Pl., Suite 400, Downers Grove, IL 60515	(630) 724-3200	amoon@burnsmcd.com
Marie	Russo	Burns & McDonnell	1431 Opus Pl., Suite 400, Downers Grove, IL 60515	(630) 724-3200	kmrusso@burnsmcd.com
Sarah	Soard	Burns & McDonnell	1431 Opus Pl., Suite 400, Downers Grove, IL 60515	(630) 724-3200	ssoard@burnsmcd.com
Kari	Harris	Canadian National	17641 S. Ashland Ave., Homewood, IL 60403	(708) 332-4543	kari.harris@cn.ca
Greg	Quartucci	Cardno, Inc.	6605 Steger Rd., Unit A, Monee, IL 60449	(708) 534-3450	gregquartucci@cardno.com
Dan	Salas	Cardno, Inc.	6140 Cottonwood Dr., Suite A, Fitchburg, WI 53719	(608) 661-2955	dan.salas@cardno.com
Nicole	Staskowski	Cardno, Inc.	6140 Cottonwood Dr., Suite A, Fitchburg, WI 53719	(608) 661-2955	nicole.staskowski@cardno.com
Joseph	Von Wahlde	Cardno, Inc.	6605 Steger Rd., Unit A, Monee, IL 60449	(708) 534-3450	joe.vonwahlde@cardno.com
Michele	Martzke	CB&I	1607 E. Main St., Suite E, St. Charles, IL 60174	(630) 762-1400	michele.martzke@cbi.com
Stephen	Chu	CH2M Hill, Inc.	135 South 84th St., Suite 400, Milwaukee, WI 53214	(414) 847-0265 x40265	stephen.chu@ch2m.com
Jedd	Anderson	Christopher B. Burke Engineering, Ltd.	9575 W. Higgins Rd., Suite 600, Rosemont, IL 60018	(847) 823-0500	jedd@cbbel.com
Megan	Briggs	Christopher B. Burke Engineering, Ltd.	9575 W. Higgins Rd., Suite 600, Rosemont, IL 60018	(847) 823-0500	mbriggs@cbbel.com
Julie	Gangloff	Christopher B. Burke Engineering, Ltd.	9575 W. Higgins Rd., Suite 600, Rosemont, IL 60018	(847) 823-0500	jgangloff@cbbel.com
Elizabeth	Gilson	Christopher B. Burke Engineering, Ltd.	9575 W. Higgins Rd., Suite 600, Rosemont, IL 60018	(847) 823-0500	egilson@cbbel.com
Eric	Japsen	Christopher B. Burke Engineering, Ltd.	9575 W. Higgins Rd., Suite 600, Rosemont, IL 60018	(847) 823-0500	ejapsen@cbbel.com
Thomas	Kehoe	Christopher B. Burke Engineering, Ltd.	9575 W. Higgins Rd., Suite 600, Rosemont, IL 60018	(847) 823-0500	tkehoe@cbbel.com
Travis	Kessler	Christopher B. Burke Engineering, Ltd.	9575 W. Higgins Rd., Suite 600, Rosemont, IL 60018	(847) 823-0500	tkessler@cbbel.com
Thomas	McArdle	Christopher B. Burke Engineering, Ltd.	9575 W. Higgins Rd., Suite 600, Rosemont, IL 60018	(847) 823-0500	tmcardle@cbbel.com
Ken	Fiske	Conservation Services	9313 Bull Valley Rd., Woodstock, IL 60098	(815) 338-0592	conserveone@aol.com
Alicia	Douglass	Davey Resource Group	700 McHenry Ave., Woodstock, IL 60098	(815) 334-8266	alicia.douglass@davey.com
Daniel	Krill	DK Environmental Services, Inc.	1422 Sunflower Ct., Grayslake, IL 60030	(847) 548-7458	dkenserv@sbglobal.net
Jason	Doland	Doland Engineering, LLC	334 E. Colfax St., Unit C-1, Palatine, IL 60067	(847) 991-5088	jdoland@dolandengineering.com
Susan	Rowley	ENCAP, Inc.	2585 Wagner Ct., DeKalb, IL 60115	(815) 748-4500	srowley@encapinc.net
Valerie	Scola	Enbridge	1409 Hammond Ave., Superior, WI 54880	(715) 398-4638	valerie.scola@enbridge.com
Erin	Pande	Engineering Resource Associates, Inc.	35701 West Ave., Suite 150, Warrenville, IL 60555	(630) 393-3060	epande@eraconsultants.com
Carl	Peterson	Gary R. Weber Associates, Inc.	212 S. Main St., Wheaton, IL 60187	(630) 668-7197	cpeterson@grwainc.com
Irma	Terry	Gewalt Hamilton Associates, Inc.	625 Forest Edge Dr., Vernon Hills, IL 60061	(847) 478-9700	iterry@gha-engineers.com
William	Santelik	GSG Consultants, Inc.	855 W. Adams St., Suite 200, Chicago, IL 60607	(312) 733-6262	wsantelik@gsg-consultants.com
Christina	Curry	Hampton, Lenzini and Renwick, Inc.	380 Shepard Dr., Elgin, IL 60123-7010	(847) 697-6700	ccurry@hlreng.com
Alicia	Dyner	Hampton, Lenzini and Renwick, Inc.	380 Shepard Dr., Elgin, IL 60123-7010	(847) 697-6700	advner@hlreng.com
Karen	Kase	Hampton, Lenzini and Renwick, Inc.	380 Shepard Dr., Elgin, IL 60123-7010	(847) 697-6700	kkase@hlreng.com
Randal	Newkirk	Hampton, Lenzini and Renwick, Inc.	380 Shepard Dr., Elgin, IL 60123-7010	(847) 697-6700	rnewkirk@hlreng.com
Erica	Spolar	Hampton, Lenzini and Renwick, Inc.	13335 Lakeside Dr., Unit 4, Romeoville, IL 60446	(847) 697-6700	espolars@hlreng.com
Sara	Paniagua	HDR	8550 W. Bryn Mawr Ave., Suite 900, Chicago, IL 60631	(773) 867-7217	sara.merchanpaniagua@hdrinc.com
Kelly	Burdick	Hey and Associates, Inc.	26575 W. Commerce Dr., Suite 601, Volo, IL 60073	(847) 740-0888	kburdick@hevassoc.com
Bob	Kerpec	Hey and Associates, Inc.	26575 W. Commerce Dr., Suite 601, Volo, IL 60073	(847) 740-0888	bkerpec@hevassoc.com
Jeff	Mengler	Hey and Associates, Inc.	26575 W. Commerce Dr., Suite 601, Volo, IL 60073	(847) 740-0888	jmengler@hevassoc.com
Vince	Mosca	Hey and Associates, Inc.	26575 W. Commerce Dr., Suite 601, Volo, IL 60073	(847) 740-0888	vmosca@hevassoc.com
Steve	Rauch	Hey and Associates, Inc.	26575 W. Commerce Dr., Suite 601, Volo, IL 60073	(847) 740-0888	srauch@hevassoc.com
Ted	McCaslin	HR Green, Inc.	2550 University Ave. West, Suite 400N, St. Paul, MN 55114	(651) 644-4389	tmccaslin@hrgreen.com

FIRST NAME	LAST NAME	COMPANY	ADDRESS	PHONE	E-MAIL ADDRESS
Alycia	Kluenenberg	Huff & Huff, Inc.	915 Harger Rd., Suite 330, Oak Brook, IL 60523	(630) 684-9100	akluenenberg@huffnhuff.com
Evan	Markowitz	Huff & Huff, Inc.	915 Harger Rd., Suite 330, Oak Brook, IL 60523	(630) 684-9100	emarkowitz@huffnhuff.com
Jim	Novak	Huff & Huff, Inc.	915 Harger Rd., Suite 330, Oak Brook, IL 60523	(630) 684-9100	jnovak@huffnhuff.com
Nikki	Pisula	Huff & Huff, Inc.	915 Harger Rd., Suite 330, Oak Brook, IL 60523	(630) 684-9100	npisula@huffnhuff.com
Lailah	Reich	Huff & Huff, Inc.	915 Harger Rd., Suite 330, Oak Brook, IL 60523	(630) 684-9100	lreich@huffnhuff.com
Sandy	Kubillus	Integrated Lakes Management, Inc.	120 LeBaron St., Waukegan, IL 60085	(847) 244-6662	skubillus@lakesmanagement.com
David	Koldoff	James J. Benes and Associates, Inc.	950 Warrenville Rd., Suite 101, Lisle, IL 60532	(630) 719-7570	dkoldoff@jibenes.com
Joe	Hmieleski	JH Wetco	1924 Elmwood Dr., Highland Park, IL 60035	(847) 681-1828	jhmieleski@jhwetco.com
Coilin	McConnell	McConnell Environmental	8608 W. Sunset Dr., Wonder Lake, IL 60097	(815) 728-7281	coilinmcconnell@yahoo.com
Randolph	Stowe	Natural Areas Ecosystem Management	10015 Wright Rd., Harvard, IL 60033	(815) 648-2252	ristowe@gmail.com
Julie	Paschal	Nicor Gas	1844 Ferry Rd., Naperville, IL 60563	(630) 388-3057	jpascha@agresources.com
Rebecca	Olson	Olson Ecological Solutions, LLC	P.O. Box 4631, Rockford, IL 61110	(815) 985-2689	rebecca@olsonecosolutions.com
Patrick	Hickey	Planning Resources, Inc.	402 W. Liberty Dr., Wheaton, IL 60187	(630) 668-3788	phickey@planres.com
Scott	Kuykendall	Planning Resources, Inc.	402 W. Liberty Dr., Wheaton, IL 60187	(630) 668-3788	scott@planres.com
Tina	Myers	R. A. Smith National, Inc.	16745 W. Bluemound Rd., Suite 200, Brookfield, WI 53005-5938	(262) 317-3389	tina.myers@rasmithnational.com
Donald	Raisanen	Raisanen & Associates, Inc.	3250 N. Arlington Heights Rd., Suite 106, Arlington Heights, IL 60004	(847) 870-7762 x12	draisanen@raisanen.com
Rick	Gundlach	SCI Engineering, Inc.	130 Point West Blvd., St. Charles, MO 63301	(636) 949-8200	
Susan	Knabe	Stantec, Inc.	954 Circle Dr., Green Bay, WI 54304	(920) 592-8440	susan.knabe@stantec.com
Brad	Kuykendall	Stantec, Inc.	209 Commerce Pkwy., PO Box 128, Cottage Grove, WI 53527	(608) 839-1998	brad.kuykendall@stantec.com
Brian	Lennie	Stantec, Inc.	12075 Corporate Pkwy., Suite 300, Mequon, WI 53092	(262) 643-9061	brian.lennie@stantec.com
Kate	Lund	Stantec, Inc.	209 Commerce Pkwy., PO Box 128, Cottage Grove, WI 53527	(608) 839-2036	kate.lund@stantec.com
Baron	Stuedemann	Stuedemann Environmental Consulting, LLC	0N419 Taylor Dr., Geneva, IL 60134	(331) 588-1805	bstuedemann@stuedenv.com
Kevin	Hammann	Tierra Ecological Consultants	4911 N. Keystone Ave., Chicago, IL 60630	(773) 685-6460	tierraecological@tierraecological.com
Laura	Giese	TRC Environmental Corporation	150 N. Patrick Blvd., Brookfield, WI 53045	(262) 227-6405	lgiese@trcsolutions.com
Marcy	Knysz	TRC Environmental Corporation	230 W. Monroe St., Suite 2300, Chicago, IL 60606	(312) 800-5909	mknysz@trcsolutions.com
Ron	Londre	TRC Environmental Corporation	150 N. Patrick Blvd., Brookfield, WI 53045	(262) 901-2139	rlondre@trcsolutions.com
E.J.	Varga	Varga & Associates	3806 IL Route 173, PO Box F, Richmond, IL 60071	(815) 678-2521	eivarga@e-varga.com
Scott	Brejcha	V3 Companies	7325 Janes Ave., Woodridge, IL 60517	(630) 724-9200	sbrejcha@v3co.com
Alicia	Metzger	V3 Companies	7325 Janes Ave., Woodridge, IL 60517	(630) 724-9200	ametzger@v3co.com
George	Milner	V3 Companies	7325 Janes Ave., Woodridge, IL 60517	(630) 724-9200	gmlner@v3co.com
Thomas	Slowinski	V3 Companies	7325 Janes Ave., Woodridge, IL 60517	(630) 724-9200	tslowinski@v3co.com
Carl	Dawes	Weaver Consultants Group	1813 N. Mill St., Suite A, Naperville, IL 60563	(630) 717-4848	cdawes@wccrp.com
Brent	Solinsky	Weaver Consultants Group	1813 N. Mill St., Suite A, Naperville, IL 60563	(630) 717-4848	bsolinsky@wccrp.com
Jeff	Moody	Williams Creek Consulting, Inc.	1530 S. Second St., St. Louis, MO 63104	(314) 644-5518	jmoody@williams creek.net
Natalie	Paver	Wills Burke Kelsey Associates, Ltd.	8 E. Galena Blvd., Suite 402, Aurora, IL 60506	(630) 701-2245	npaver@wbkengineering.com
Robert	Vanni	Wills Burke Kelsey Associates, Ltd.	116 W. Main St., Suite 201, St. Charles, IL 60174	(630) 443-7755	rvanni@wbkengineering.com
AGENCY/NO CONTACT INFORMATION					
Patrick	VerHalen	Kane County Division of Transportation		(630) 208-3138	verhalenpatrick@co.kane.il.us
Juli	Crane	Lake County SMC	500 W. Winchester Rd., Suite 201, Libertyville, IL 60048	(847) 377-7700	jcrane@lakecountvil.gov
Gabe	Powers	McHenry County Conservation District	18410 US Highway 14, Woodstock, IL 60098	(815) 338-6223	gpowers@mccdistrct.org
Spring	Duffey	McHenry-Lake SWCD	1648 S. Eastwood Dr., Woodstock, IL 60098	(815) 338-0099 x3	spring.duffey@il.nacdnet.net
Bob	Oja	McHenry-Lake SWCD	1648 S. Eastwood Dr., Woodstock, IL 60098	(815) 338-0099 x3	bob.oja@mchenryswcd.org
Andrew	Blackburn	USACE - Chicago District	231 LaSalle St., Suite 1500, Chicago, IL 60604-1437	(312) 846-5543	andrew.j.blackburn@usace.army.mil
Walter	Karla	RETIRED			
Rachel	Lang				
Joyce	Marzano				
Melissa	Skyer				
Renee	Wilde				



University of Wisconsin-La Crosse
Office of Continuing Education and Extension
Professional Transcript

For: Brian Lennie
12075 N. Corporate Parkway
Mequon WI 53092

<u>Event Date(s)</u>	<u>Event</u>	<u>Location</u>	<u>CE units</u>	<u>Contact hours</u>	<u>Type</u>
3/7/2018 - 3/7/2018	Critical Methods 2018	Radisson Hotel, Madison, Wis.	0.65	6.5000	UW-Ex CEUs

Continuing Education Units (CEUs) are a means of recognizing and recording satisfactory participation in non-degree programs. University of Wisconsin-Extension (UW-Ex) awards one CEU for each 10 contact hours in a continuing education experience. Actual contact hours are recorded.

UW-Ex CEUs fulfill continuing education requirements for many professionals, agencies and organizations. Professional associations may have specific licensing requirements. Individuals should contact their licensing association before assuming UW-Ex CEUs will fulfill all requirements.

Penny Tiadt



University of Wisconsin-La Crosse
Office of Continuing Education and Extension
Professional Transcript

For: Brian Lennie
12075 N. Corporate Parkway
Mequon WI 53092

<u>Event Date(s)</u>	<u>Event</u>	<u>Location</u>	<u>CE units</u>	<u>Contact hours</u>	<u>Type</u>
3/8/2017 - 3/8/2017	Critical Methods 2017	Crowne Plaza, Madison, Wis.	0.65	6.5000	CEU

Continuing Education Units (CEUs) are a means of recognizing and recording satisfactory participation in non-degree programs. University of Wisconsin-Extension (UW-Ex) awards one CEU for each 10 contact hours in a continuing education experience. Actual contact hours are recorded.

UW-Ex CEUs fulfill continuing education requirements for many professionals, agencies and organizations. Professional associations may have specific licensing requirements. Individuals should contact their licensing association before assuming UW-Ex CEUs will fulfill all requirements.



University of Wisconsin-La Crosse
Office of Continuing Education and Extension

Professional Transcript

Angie Coenen

Angie Coenen
Outreach Specialist
University of Wisconsin-La Crosse
Continuing Education & Extension

Brian Lennie, Stantec
12075 N. Corporate Parkway
Mequon WI 53092

<u>Event Date(s)</u>	<u>Event</u>	<u>CE units</u>	<u>Contact hours</u>	<u>Type</u>
3/9/2016 - 3/9/2016	Critical Methods Wetland Delineation, Madison, Wis.	0.65	6.5000	CEU

University of Wisconsin-La Crosse
Office of Continuing Education and Extension
Professional Transcript

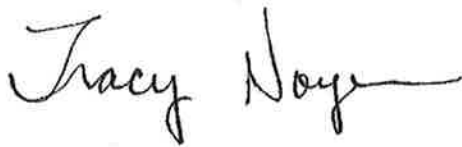
For: brian lennie
12075 corporate parkway
mequon WI 53092

<u>Event Date(s)</u>	<u>Event</u>	<u>Location</u>	<u>Credits</u>	<u>Type</u>
3/11/2015 - 3/11/2015	Critical Methods	Crowne Plaza, Madison, Wis.	0.65	CEU

NOTE:

Continuing Education Units (CEUs) are a means of recognizing and recording satisfactory participation in non-degree programs. University of Wisconsin-Extension (UW-Ex) awards one CEU for each 10 contact hours in a continuing education experience. Actual contact hours are recorded.

UW-Extension CEUs fulfill continuing education requirements for many professionals, agencies and organizations. Professional associations may have specific licensing requirements. Individuals should contact their licensing association before assuming UW-Extension CEUs will fulfill all requirements.



Tracy Noyes, Outreach Specialist
Office of Continuing Education & Extension
University of Wisconsin-La Crosse

608.785.6504 ☎
conted@uwlax.edu

The University of Wisconsin-La Crosse
Continuing Education and Extension
In Partnership with UW-Extension

Certify that:

Brian Lennie

has completed

**Critical Methods in Wetland Delineation
March 12, 2014
Madison, Wisconsin**

CEUs: 0.65 Contact Hours: 6.5

Sponsored by

UW-La Crosse River Studies Center and
UW-La Crosse Continuing Education/Extension

in cooperation with

State of Wisconsin Department of Administration, Wisconsin Coastal Management Program
Southeastern Wisconsin Regional Planning Commission
United States Geological Survey
USDA-Natural Resources Conservation Service
Wisconsin Department of Natural Resources
U.S. Army Corps of Engineers

The University of Wisconsin-La Crosse
Continuing Education and Extension
In Partnership with UW-Extension

Certify that:

Brian Lennie

has completed

**Critical Methods in Wetland Delineation
March 13, 2013
Madison, Wisconsin**

CEUs: 0.65 Contact Hours: 6.5

Sponsored by

UW-La Crosse River Studies Center and
UW-La Crosse Continuing Education/Extension

in cooperation with

State of Wisconsin Department of Administration, Wisconsin Coastal Management Program
Southeastern Wisconsin Regional Planning Commission
United States Geological Survey
USDA-Natural Resources Conservation Service
Wisconsin Department of Natural Resources
U.S. Army Corps of Engineers

Enviro-Safe Resource Recovery
Appendix R-02 - Village of Germantown Artificial Wetland Determination



Village of

Germantown
...Willkommen

Community Development Department

Jeffrey W. Retzlaff, AICP, Director
N112 W17001 Mequon Road P.O. Box 337
Germantown, WI 53022-0337
(262) 250-4735 direct line
(262) 253-8255 fax

JDV Real Estate Holdings LLC
c/o Jeff Vilione
W130 N10500 Washington Drive
Germantown, WI 53022

June 3, 2020

RE: Facility Expansion Approval; Condition No. 11 (Wetland Encroachment)

Mr. Vilione:

As you are aware, the Plan Commission approved your facility expansion site plan application with a condition (Condition No. 11) that requires you to obtain a conditional use permit for the proposed driveway encroachment into the 25' **wetland setback unless said wetland is determined** by either the DNR or Village of Germantown to be an "artificial wetland".

Section 24.03(17a) of the Village's **shoreland-Wetland** code defines "**artificial wetland**" as "*A landscape feature where hydrophytic vegetation may be present as a result of human modifications to the landscape or hydrology and for which there is no prior wetland or stream history.*"

Similarly, the DNR defines an artificial wetland as a landscape feature where hydrophytic vegetation may be present as a result of human modifications to the landscape or hydrology and for which the department has no definitive evidence showing a prior wetland or stream history existed before August 1, 1991, but does not include any wetland area that serves as a fish spawning area or a passage to a fish spawning area, or a wetland created as a result of a wetland mitigation requirement.

Based on a review of historical aerial photography, topographic mapping and various development plans for the Germantown Business Park, wherein your property and the abutting storm water management basin is located, I have determined that the wetland area located on the west side of the storm water basin that would be impacted by the proposed driveway extension shown on the approved site plans for your facility expansion (dated February 4, 2020) meets the Village's **definition of an "artificial wetland"**.

Historical photography and topographic maps clearly indicate that the area west of the navigable stream where the storm basin and associated wetland are now present were nothing more than tilled farm land prior to 1998 when the business park was developed by the Village and the storm basin installed.

Consequently, you are NOT required to obtain a conditional use permit under Condition No. 11.

Please contact me if you have questions or concerns.

Respectfully,
Jeffrey W. Retzlaff, AICP

COPIES: Harwood Engineering
Skyline Development Corp

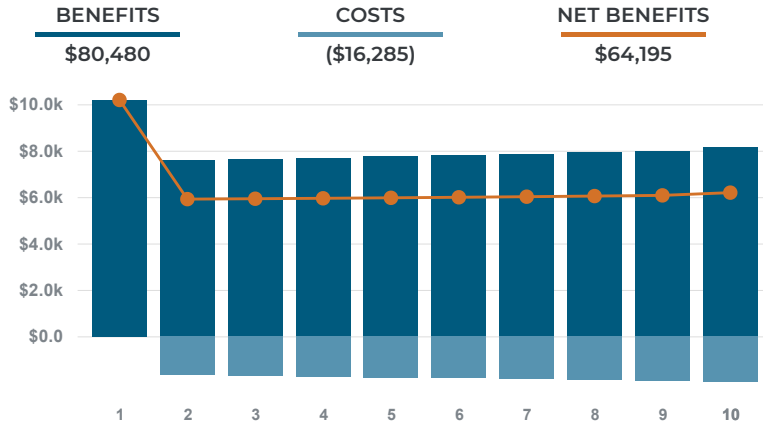
APPENDIX S: EDWC IMPACT REPORT



IMPACT REPORT
ENVIRO-SAFE

Facilities Consolidation-Draft pending receipt of FF&E financials

Washington County



JOBS

17.8 Total
10.0 Direct
7.8 Spin-off

SALARIES

\$48,840 Avg
\$53,747 Direct
\$42,567 Spin-off

CAPITAL INVEST.

\$3,035,792
Buildings + FF&E

RESIDENTIAL DEV.

0.3 Homes
2.1 Relocations

NET BENEFITS **\$64,195**
Present Value \$50,258

BENEFITS

Sales Taxes	\$10,096
Real Property Taxes	\$49,612
FF&E Property Taxes	\$4,813
New Residential Property Taxes	\$1,506
Building Permits and Fees	\$0
Miscellaneous Taxes and User Fees	\$14,453
Benefits Subtotal	\$80,480

COSTS

Cost of Government Services	(\$16,285)
Costs Subtotal	(\$16,285)

NET BENEFITS OVER 10 YEARS

COUNTY	\$64,195
MUNICIPALITY	\$107,255
SCHOOL DISTRICT	\$230,175
TECHNICAL COLLEGE	\$28,201





Enviro-Safe - Impact Report

Facilities Consolidation-Draft pending receipt of FF&E financials

Prepared By: EDWC

Purpose & Limitations

This report presents the results of an economic and fiscal analysis undertaken by EDWC using Impact Dashboard, a customized web application developed by Impact DataSource, LLC.

Impact Dashboard utilizes estimates, assumptions, and other information developed by Impact DataSource from its independent research effort detailed in a custom user guide prepared for EDWC.

This report, generated by the Impact Dashboard application, has been prepared by EDWC to assist economic development stakeholders in making an evaluation of the economic and fiscal impact of business activity in the community. This report does not purport to contain all of the information that may be needed to conclude such an evaluation. This report is based on a variety of assumptions and contains forward-looking statements concerning the results of operations of the subject firm. EDWC made reasonable efforts to ensure that the project-specific data entered into Impact Dashboard reflects realistic estimates of future activity. Estimates of future activity involve known and unknown risks and uncertainties that could cause actual results, performance, or events to differ materially from those expressed or implied in this report.

EDWC and Impact DataSource make no representation or warranty as to the accuracy or completeness of the information contained herein, and expressly disclaim any and all liability based on or relating to any information contained in, or errors or omissions from, this information or based on or relating to the use of this information.

Introduction

This report presents the results of an economic impact analysis performed using Impact Dashboard, a model developed by Impact DataSource. The report estimates the impact that a potential project will have on the local economy and estimates the costs and benefits for local taxing districts over a 10-year period.

Description of the Project

Enviro-Safe Resource Recovery is currently operating in a 15,000 sq. ft. building that was built in 2012. There proposed expansion is an additional 23,000 to 30,000 sq. ft. to the north of their current location. The tentative capital project budget is around \$2.6 million, as well as approximately \$400,000 in FF&E. By choosing to build they are looking to add an additional 10 full-time staff during the next 3 years with a total projected payroll increase of \$525,000. This impact analysis is considered a draft until final FF&E financial are received.

Economic Impact Overview

The table below summarizes the economic impact of the project over the first 10 years in terms of job creation, salaries paid to workers, and taxable sales.

SUMMARY OF ECONOMIC IMPACT OVER 10 YEARS IN WASHINGTON COUNTY			
IMPACT	DIRECT	SPIN-OFF	TOTAL
Permanent jobs created	10.0	7.8	17.8
Salaries or wages paid to workers	\$5,242,820	\$3,247,927	\$8,490,747
Taxable sales and purchases expected in Washington County	\$1,613,143	\$405,991	\$2,019,134

Totals may not sum due to rounding

The Project may result in new residents moving to the community and potentially new residential properties being constructed as summarized below.

SUMMARY OF POPULATION IMPACT OVER 10 YEARS IN WASHINGTON COUNTY			
IMPACT	DIRECT	SPIN-OFF	TOTAL
Workers who will move to Washington County	1.2	0.9	2.1
New residents in Washington County	3.1	2.4	5.6
New residential properties constructed in Washington County	0.2	0.1	0.3
New students to attend local school district	0.6	0.5	1.1

Totals may not sum due to rounding

The new taxable property to be supported by the Project over the next 10 years is summarized in the following table.

SUMMARY OF TAXABLE PROPERTY OVER THE FIRST 10 YEARS IN WASHINGTON COUNTY						
YR.	NEW RESIDENTIAL PROPERTY	LAND	BUILDINGS...	FF&E	NON-RESIDENTIAL PROPERTY	TOTAL PROPERTY
2020	\$0	\$0	\$1,973,048	\$374,280	\$2,347,328	\$2,347,328
2021	\$67,235	\$0	\$2,012,509	\$336,852	\$2,349,361	\$2,416,597
2022	\$68,580	\$0	\$2,052,760	\$299,424	\$2,352,184	\$2,420,764
2023	\$69,952	\$0	\$2,093,815	\$261,996	\$2,355,811	\$2,425,763
2024	\$71,351	\$0	\$2,135,691	\$224,568	\$2,360,259	\$2,431,610
2025	\$72,778	\$0	\$2,178,405	\$187,140	\$2,365,545	\$2,438,323
2026	\$74,233	\$0	\$2,221,973	\$149,712	\$2,371,685	\$2,445,918
2027	\$75,718	\$0	\$2,266,412	\$112,284	\$2,378,696	\$2,454,414
2028	\$77,232	\$0	\$2,311,741	\$74,856	\$2,386,597	\$2,463,829
2029	\$78,777	\$0	\$2,357,976	\$74,856	\$2,432,832	\$2,511,609

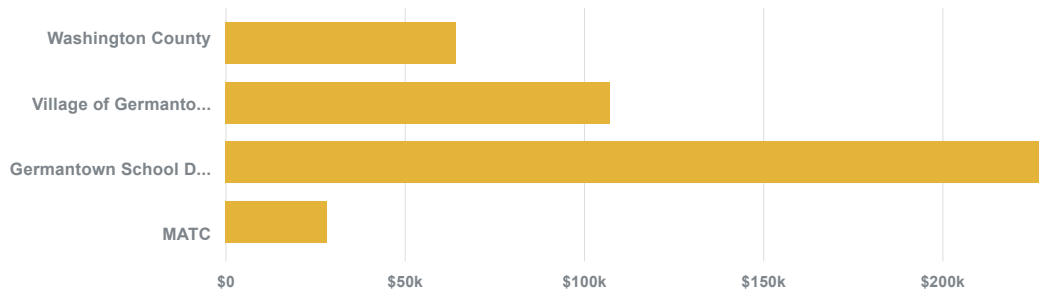
Fiscal Impact Overview

The Project will generate additional benefits and costs, a summary of which is provided below. The source of specific benefits and costs are provided in greater detail for each taxing district on subsequent pages.

FISCAL NET BENEFITS OVER THE NEXT 10 YEARS				
	BENEFITS	COSTS	NET BENEFITS	PRESENT VALUE*
Washington County	\$80,480	(\$16,285)	\$64,195	\$50,258
Village of Germantown	\$137,221	(\$29,966)	\$107,255	\$82,808
Germantown School District	\$239,395	(\$9,220)	\$230,175	\$177,467
MATC	\$28,201	\$0	\$28,201	\$21,747
Total	\$485,297	(\$55,471)	\$429,826	\$332,279

*The Present Value of Net Benefits expresses the future stream of net benefits received over several years as a single value in today's dollars. Today's dollar and a dollar to be received at differing times in the future are not comparable because of the time value of money. The time value of money is the interest rate or each taxing entity's discount rate. This analysis uses a discount rate of 5.0% to make the dollars comparable.

Net Benefits Over the Next 10 Years

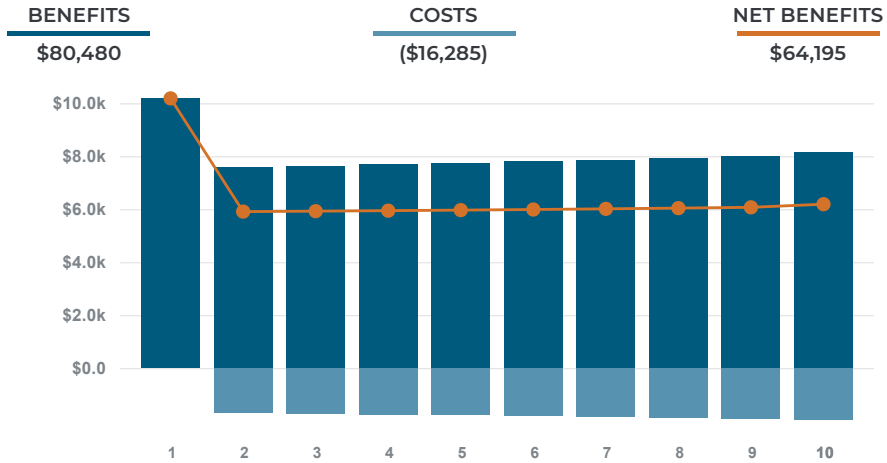


Washington County Fiscal Impact

The table below displays the estimated additional benefits, costs, and net benefits to be received by Washington County over the next 10 years of the Project.

NET BENEFITS OVER 10 YEARS: WASHINGTON COUNTY			
BENEFITS	PROJECT	HOUSEHOLDS	TOTAL
Sales Taxes	\$4,789	\$5,307	\$10,096
Real Property Taxes	\$49,612	\$0	\$49,612
FF&E Property Taxes	\$4,813	\$0	\$4,813
New Residential Property Taxes	\$0	\$1,506	\$1,506
Building Permits and Fees	\$0	\$0	\$0
Miscellaneous Taxes and User Fees	\$9,452	\$5,001	\$14,453
Benefits Subtotal	\$68,667	\$11,813	\$80,480
COSTS	PROJECT	HOUSEHOLDS	TOTAL
Cost of Government Services	(\$10,646)	(\$5,639)	(\$16,285)
Costs Subtotal	(\$10,646)	(\$5,639)	(\$16,285)
Net Benefits	\$58,020	\$6,174	\$64,195

Annual Fiscal Net Benefits for Washington County

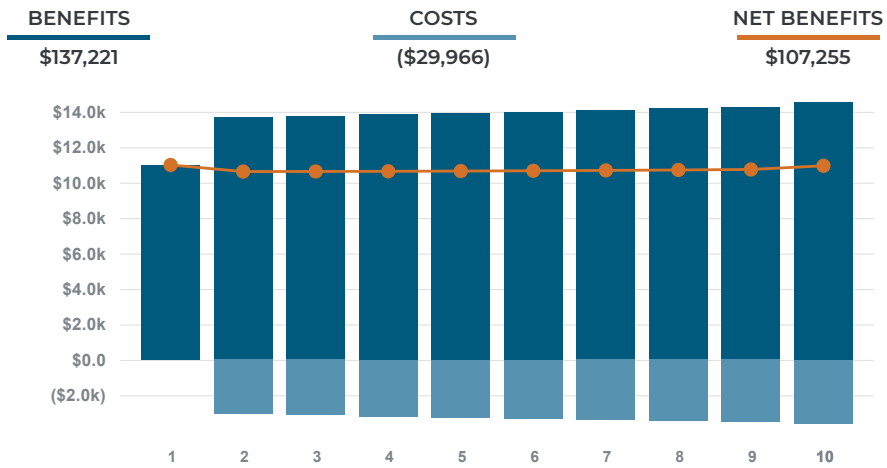


Village of Germantown Fiscal Impact

The table below displays the estimated additional benefits, costs, and net benefits to be received by Village of Germantown over the next 10 years of the Project.

NET BENEFITS OVER 10 YEARS: VILLAGE OF GERMANTOWN			
BENEFITS	PROJECT	HOUSEHOLDS	TOTAL
Real Property Taxes	\$101,159	\$0	\$101,159
FF&E Property Taxes	\$9,814	\$0	\$9,814
New Residential Property Taxes	\$0	\$708	\$708
Building Permits and Fees	\$0	\$0	\$0
Utility Revenue	\$12,039	\$1,333	\$13,372
Miscellaneous Taxes and User Fees	\$10,945	\$1,223	\$12,168
Benefits Subtotal	\$133,956	\$3,264	\$137,221
COSTS	PROJECT	HOUSEHOLDS	TOTAL
Cost of Utility Services	(\$12,139)	(\$1,342)	(\$13,481)
Cost of Government Services	(\$14,825)	(\$1,660)	(\$16,485)
Costs Subtotal	(\$26,964)	(\$3,002)	(\$29,966)
Net Benefits	\$106,993	\$262	\$107,255

Annual Fiscal Net Benefits for Village of Germantown



Germantown School District Fiscal Impact

The table below displays the estimated additional benefits, costs, and net benefits to be received by Germantown School District over the next 10 years of the Project.

NET BENEFITS OVER 10 YEARS: GERMANTOWN SCHOOL DISTRICT			
BENEFITS	PROJECT	HOUSEHOLDS	TOTAL
Real Property Taxes	\$207,818	\$0	\$207,818
FF&E Property Taxes	\$20,162	\$0	\$20,162
New Residential Property Taxes	\$0	\$1,373	\$1,373
Addtl. State & Federal School Funding	\$0	\$10,042	\$10,042
Benefits Subtotal	\$227,980	\$11,415	\$239,395
COSTS	PROJECT	HOUSEHOLDS	TOTAL
Cost to Educate New Students	\$0	(\$9,220)	(\$9,220)
Costs Subtotal	\$0	(\$9,220)	(\$9,220)
Net Benefits	\$227,980	\$2,195	\$230,175

Annual Fiscal Net Benefits for Germantown School District



MATC Fiscal Impact

The table below displays the estimated additional benefits, costs, and net benefits to be received by MATC over the next 10 years of the Project.

NET BENEFITS OVER 10 YEARS: MATC			
BENEFITS	PROJECT	HOUSEHOLDS	TOTAL
Real Property Taxes	\$25,600	\$0	\$25,600
FF&E Property Taxes	\$2,484	\$0	\$2,484
New Residential Property Taxes	\$0	\$118	\$118
Benefits Subtotal	\$28,084	\$118	\$28,201
COSTS	PROJECT	HOUSEHOLDS	TOTAL
None Estimated	\$0	\$0	\$0
Costs Subtotal	\$0	\$0	\$0
Net Benefits	\$28,084	\$118	\$28,201

Annual Fiscal Net Benefits for MATC



Methodology

Overview of Methodology

The Impact DashBoard model combines project-specific attributes with community data, tax rates, and assumptions to estimate the economic impact of the Project and the fiscal impact for local taxing districts over a 10-year period.

The economic impact as calculated in this report can be categorized into two main types of impacts. First, the direct economic impacts are the jobs and payroll directly created by the Project. Second, this economic impact analysis calculates the spin-off or indirect and induced impacts that result from the Project. Indirect jobs and salaries are created in new or existing area firms, such as maintenance companies and service firms, that may supply goods and services for the Project. In addition, induced jobs and salaries are created in new or existing local businesses, such as retail stores, gas stations, banks, restaurants, and service companies that may supply goods and services to new workers and their families.

The economic impact estimates in this report are based on the Regional Input-Output Modeling System (RIMS II), a widely used regional input-output model developed by the U. S. Department of Commerce, Bureau of Economic Analysis. The RIMS II model is a standard tool used to estimate regional economic impacts. The economic impacts estimated using the RIMS II model are generally recognized as reasonable and plausible assuming the data input into the model is accurate or based on reasonable assumptions. Impact DataSource utilizes adjusted county-level multipliers to estimate the impact occurring at the sub-county level.

Two types of regional economic multipliers were used in this analysis: an employment multiplier and an earnings multiplier. An employment multiplier was used to estimate the number of indirect and induced jobs created or supported in the area. An earnings multiplier was used to estimate the amount of salaries to be paid to workers in these new indirect and induced jobs. The employment multiplier shows the estimated number of total jobs created for each direct job. The earnings multiplier shows the estimated amount of total salaries paid to these workers for every dollar paid to a direct worker. The multipliers used in this analysis are listed below:

562219 OTHER NONHAZARDOUS WASTE TREATMENT AND DISPOSAL		WASHINGTON COUNTY
Employment Multiplier	(Type II Direct Effect)	1.7822
Earnings Multiplier	(Type II Direct Effect)	1.6195

Most of the revenues estimated in this study result from calculations relying on (1) attributes of the Project, (2) assumptions to derive the value of associated taxable property or sales, and (3) local tax rates. In some cases, revenues are estimated on a per new household, per new worker, or per new school student basis.

The company or Project developer was not asked, nor could reasonably provide data for calculating some other revenues. For example, while the city will likely receive revenues from fines paid on speeding tickets given to new workers, the company does not know the propensity of its workers to speed. Therefore, some revenues are calculated using an average revenue approach.

This approach uses relies on two assumptions:

1. The taxing entity has two general revenue sources: revenues from residents and revenues from businesses.
2. The taxing entity will collect (a) about the same amount of miscellaneous taxes and user fees from each new household that results from the Project as it currently collects from existing households on average, and (b) the same amount of miscellaneous taxes and user fees from the new business (on a per worker basis) will be collected as it collects from existing businesses.

In the case of the school district, some additional state and federal revenues are estimated on a per new school student basis consistent with historical funding levels.

Additionally, this analysis sought to estimate the additional expenditures faced by local jurisdictions to provide services to new households and new businesses. A marginal cost approach was used to calculate these additional costs.

This approach relies on two assumptions:

1. The taxing entity spends money on services for two general groups: revenues from residents and revenues from businesses.
2. The taxing entity will spend slightly less than its current average cost to provide local government services (police, fire, EMS, etc.) to (a) new residents and (b) businesses on a per worker basis.

In the case of the school district, the marginal cost to educate new students was estimated based on a portion of the school's current expenditures per student and applied to the headcount of new school students resulting from the Project.

About Impact DataSource

Established in 1993, Impact DataSource is an Austin, Texas-based economic consulting firm. Impact DataSource provides high-quality economic research, specializing in economic and fiscal impact analyses. The company is highly focused on supporting economic development professionals and organizations through its consulting services and software. Impact DataSource has conducted thousands of economic impact analyses of new businesses, retention and expansion projects, developments, and activities in all industry groups throughout the U.S.

For more information on Impact DataSource, LLC and our product Impact DashBoard, please visit our website www.impactdatasource.com



APPENDIX T: CLOSURE PLAN COSTS

T-01 Closure Plan PE Certification

T-02 Hazardous Waste Management Unit Closure Cost Summary

T-03 Closure Letter of Credit

**Enviro-Safe Resource Recovery
Appendix T-01 - Stantec PE Certification
for Closure Plan**

Professional Engineer's Certification

Stantec Consulting Services Inc. (Stantec), under my supervision, reviewed and approved of these Hazardous Waste Closure Plan Requirements under Part 1, Section L of the Feasibility and Plan of Operation Report (FPOR) and Appendix T-02 of the FPOR HWMU Closure Cost Summary dated October 28, 2022 for Enviro-Safe Resource Recovery for their Germantown, Wisconsin TSD facility.

"I, **Brett Ballavance** , hereby certify that I am a licensed professional engineer in the State of Wisconsin in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 660 to 679, Wis. Adm. Code."



Brett A. Ballavance, P.E. (WI, MN, MI)

October 28, 2022

Date

Certifying Engineer - Wisconsin Registration Number 45556-6



**Enviro-Safe Resource Recovery
Appendix T-02 - HWMU Closure Cost
Summary**

APPENDIX T-02: HAZARDOUS WASTE MANAGEMENT UNITS CLOSURE COST SUMMARY

2022 COST CALCULATION SUMMARY SHEET

Cost Summary	RM 124	RM 125	RM 126	East Loading Docks	Tanker Filling Area
Section A. Inventory Waste Disposal and Transportation	\$136,935.50	\$211,332.00	\$18,333.00	\$9,319.50	\$6,213.00
Section B. Decontamination and Waste Disposal	\$6,203.96	\$6,507.02	\$2,192.24	\$3,107.39	\$2,351.27
Section C. Miscellaneous Expenses	\$5,527.50	\$6,105.00	\$1,485.00	\$2,310.00	\$1,567.50
TOTAL	\$148,666.96	\$223,944.02	\$22,010.24	\$14,736.89	\$10,131.77
Contingency (10%) \$41,948.99					
GRAND TOTAL \$461,438.87					

This is a summary of the details provided under the respective sections indicated below. This cost estimate represents the cost of final closure at the point in the facility's active life when the extent and manner of its operation would make closure the most expensive.

2022 COST CALCULATION SUPPORTING DOCUMENTATION

SECTION A: Inventory Waste Disposal and Transportation

The inventory waste disposal and transportation include removing the containerized waste off-site and sending them to a designated TSD facility for proper treatment.

Section A.1: Specifications	RM 124	RM 125	RM 126	East Loading Docks	Tanker Filling Areas
Maximum Storage Capacity	616 DM55	784 DM55	160 DM55	18,000 gals.	12,000 gals.
Labor Hours (2-Person Crew)	17.5 hrs.	20 hrs.	5 hrs.	7.5 hrs.	5 hrs.
Disposal - Fuel Blending	500 DM55 (81%)	619 DM55 (79%)	160 DM55 (100%)	18,000 gals. (100%)	12,000 gals. (100%)
Disposal - Stabilization	55 DM55 (9%)	70 DM55 (9%)	0%	0%	0%
Disposal - Incineration	61 DM55 (10%)	40 DM55 (5%)	0%	0%	0%
Disposal - Lab Packs	0%	55 DM55 (7%)	0%	0%	0%
Number of Trucks	7 Trucks (Semi-Trailer)	8 Trucks (Semi-Trailer)	2 Trucks (Semi-Trailer)	3 Trucks (Tanker)	2 Trucks (Tanker)

Labor Hours. The labor hours include planning, area preparation and protection, set-up, labeling, loading, manifesting, and cleanup containers to be sent off-site for disposal including an auxiliary activity that may be required and is estimated to be 2.5 hours per truck loaded and includes a Project Manager (administrative/management) and a technician.

Disposal. Disposal treatment percentage is based upon 2021 actual business as a 10-day transfer facility and how containers are anticipated to be stored at the facility.

Section A.1: Cost	RM 124	RM 125	RM 126	East Loading Docks	Tanker Filling Areas
Cost: Labor Hours (2-Person Crew)	\$2,845.50	\$3,252.00	\$813.00	\$1,219.50	\$813.00
Cost: Disposal - Fuel Blending (\$87 DM 55 Liquid, \$127 DM 55 Sludge, \$196.00 DM 55 Solid)	\$57,820.00	\$107,250.00	\$13,920.00	\$2,700.00	\$1,800.00
Cost: Disposal - Stabilization (\$164.00 DM 55)	\$9,020.00	\$11,480.00	\$0.00	\$0.00	\$0.00
Cost: Disposal - Incineration (\$850.00 DM 55)	\$51,850.00	\$34,000.00	\$0.00	\$0.00	\$0.00
Cost: Disposal - Lab Packs (\$650.00 DM 55)	\$0.00	\$35,750.00	\$0.00	\$0.00	\$0.00
Cost: Transportation	\$15,400.00	\$19,600.00	\$3,600.00	\$5,400.00	\$3,600.00
TOTAL	\$136,935.50	\$211,332.00	\$18,333.00	\$9,319.50	\$6,213.00

Labor Cost. The labor cost per hour is \$162.60 which includes a Project Manager (\$106.00/hr.) and Technician (\$56.60/hr.). Hepaco, July-2022 Pricing and Agreement.

Cost: Disposal. Cost based upon calculations of current market price which reflects cost from a third party with no negotiated discounts for disposal methodology.

Transportation. A cost of \$25.00 per container is used to estimate the transportation cost and associated expenses for less-than truckload transportation pricing from Germantown, Wisconsin to the respective midwest disposal facility for containerized waste per current market price. A cost of \$1,800.00 per tanker is used based upon proposals provided in Nov-2021.

Section B: Decontamination and Waste Disposal

Section B.1: Specifications	RM 124	RM 125	RM 126	East Loading Docks	Tanker Filling Areas
Area	4,646 sq. ft.	5,091 sq. ft.	1,056 sq. ft.	1,850 sq. ft.	1,232 sq. ft.
Labor Hours (3-Person Crew)	16.0 hours	17.0 hours	4.0 hours	6.5 hours	4.5 hours
Pressure Washing Hours	12.0 hours	12.5 hours	3.0 hours	5.0 hours	3.5 hours
Sample Analysis Required	1 sample	1 sample	1 sample	1 sample	1 sample
Rinsate Generated for Disposal	7,200 gals.	7,500 gals.	1,800 gals.	3,000 gals.	2,100 gals.
Rinsate Transportation	2 Trucks (Vacuum)	2 Trucks (Vacuum)	1 Trucks (Vacuum)	1 Trucks (Vacuum)	1 Trucks (Vacuum)

Labor Hours. The labor hours include sweeping surfaces to clear dust, dirt and debris. Spot clean light stains. Washing surfaces with pressure washer (2,500 psi at 10-gal/min), clean-up time and coordination of shipment of rinsate off-site for proper disposal. Includes planning, area preparation and protection, setup and cleanup and auxiliary administrative activities such as labeling, loading, manifesting, etc. Hepaco, July-2022 Agreement.

Pressure Washing Hours. It is estimated that 80% of the total hours necessary to complete decontamination activities will actually be used for pressure washing activities.

Rinsate Generated. The amount of rinsate anticipated to be generated and required to be properly collected and disposed is based upon the pressure washing hours at 10 gal/min. Hepaco May, 2021 pricing.

Sample Analysis Required. Analytical to include VOC, Semi-VOCs, RCRA Metals TCLP, Flashpoint and pH.

Section B.2: Cost	RM 124	RM 125	RM 126	East Loading Docks	Tanker Filling Areas
Cost: Labor Hours (3-Person Crew)	\$3,715.20	\$3,947.40	\$928.80	\$1,509.30	\$1,044.90
Cost: Equipment	\$893.76	\$949.62	\$223.44	\$363.09	\$251.37
Cost: Personal Protective Equipment	\$270.00	\$270.00	\$135.00	\$270.00	\$135.00
Cost: Sample Analysis	\$665.00	\$665.00	\$665.00	\$665.00	\$665.00

Date: July 27, 2022

Revision: 00

Enviro-Safe Resource Recovery

Appendix T-02 - Hazardous Waste Management Units
Closure Cost Summary

Cost: Disposal of Rinsate Generated	\$360.00	\$375.00	\$90.00	\$150.00	\$105.00
Cost: Transportation of Rinsate	\$300.00	\$300.00	\$150.00	\$150.00	\$150.00
TOTAL	\$6,203.96	\$6,507.02	\$2,192.24	\$3,107.39	\$2,351.27

Cost: Labor. The labor cost per hour is \$232.20 which includes a Project Manager (\$106.00/hr.), Equipment Operator (\$69.60/hr.) and Technician (\$56.60/hr.). Hepaco, July-2022 Pricing and Agreement.

Cost: Equipment. The equipment cost is \$55.85 per hour of total labor hours for a Pressure Washer (2,500 psi at 10 gal/min). Hepaco, July-2022 Pricing and Agreement.

Cost: Personal Protective Equipment. The PPE cost is \$45.00 per day per employee (Level D). Hepaco, July-2022 Pricing and Agreement.

Cost: Sample Analysis. EMT Analytical Price – VOC (\$130), Semi-VOCs (\$235), RCRA Metals TCLP (TCLP \$190), Flashpoint (\$80), and pH (\$30). EMT May, 2022 pricing.

Cost: Disposal of Rinsate Generated. The disposal cost for non-hazardous rinsate is \$0.05/gal. Crystal Springs, 2022 pricing.

Cost: Transportation and Disposal of Rinsate. A cost of \$150.00 per tanker truck is used for transportation and disposal from Germantown, Wisconsin to Milwaukee, Wisconsin for the waste. Crystal Springs, 2022 pricing.

Section C: Miscellaneous Expenses

Section C.1: Specifications	RM 124	RM 125	RM 126	East Loading Docks	Tanker Filling Areas
PE Oversight	33.5 hours	37 hours	9 hours	14 hours	9.5 hours
PE Closure Report	1 Each	Included	Included	Included	Included

PE Oversight Labor Hours. A PE will be hired to be present on-site to oversee the activities conducted with the closure of the facility on a daily basis. Therefore, the total labor hours are the same as above.

PE Closure Report. There would be one closure report provided that will include the entire facility closure and therefore, there is only one total cost associated with the PE Closure Report Cost. Stantec, May-2022 pricing.

Section C.2: Cost	RM 124	RM 125	RM 126	East Loading Docks	Tanker Filling Areas
Cost: PE Oversight	\$5,527.50	\$6,105.00	\$1,485.00	\$2,310.00	\$1,567.50
Cost: PE Closure Report	Included Above	Included Above	Included Above	Included Above	Included Above
TOTAL	\$5,527.50	\$6,105.00	\$1,485.00	\$2,310.00	\$1,567.50

Cost: PE Oversight. The PE Oversight hourly rate is \$165.00/hr. Stantec, May-2022 pricing.

Cost: PE Closure Report. The cost to complete the closure report for the total facility is included as part of the hourly rate for the PE Oversight. Stantec, May-2022 pricing.

**Enviro-Safe Resource Recovery
Appendix T-03 - Closure Letter of Credit**

The Letter of Credit to be provided under separate cover.

APPENDIX U: SECONDARY CONTAINMENT

U-01 Secondary Containment Calculations

U-02 NOAA Atlas 14 Point Precipitation Frequency Estimate

U-03 Joint Sealer and Concrete Additive Specifications

U-04 Waterstops and Stormceptor System Specifications

Enviro-Safe Resource Recovery
Appendix U-01 - Secondary Containment Calculations



SECONDARY CONTAINMENT CALCUATIONS

For Enviro-Safe Resource Recovery

Date: August 5, 2022

Completed by:
The Consortium ae, LLC.
735 N. Water Street, Suite 1228
Milwaukee, WI 53202

Hazardous Waste

The storage and secondary containment system capacities for the hazardous waste container storage and treatment areas for the facility are summarized below.

Area	Use	Floor Area	Maximum Storage ^(b)		Secondary Containment ^(c)				
			Maximum Hazardous Waste Storage Capacity		Required Containment		Largest Container Volume	Fire Suppression System Volume ^(d)	Net Containment Capacity ^(e)
			55-Gal Equivalents	Gallons	55-Gal Equivalent	Gallons	Gallons	Gallons	Gallons
RM 124 ^(a)	Hazardous Waste Staging and Storage	4,646	616	33,880	62	3,388	330	21,160	12,895.0
RM 125	Hazardous Waste Storage	5,091	784	43,120	78	4,312	330	Included Above	15,227.1
RM 126	Hazardous Waste Storage/Treatment	1,056	160	8,800	16	880	330	Included Above	3,076.4
SUBTOTAL		10,793	1,560	85,800	156	8,580		21,160	31,198.5
East Loading Docks	Hazardous Waste Storage	1,850	N/A	18,000	N/A	1,800	6,000	N/A	17,033.5
Tanker Fill Area #1 & #2	Hazardous Waste Storage	616	N/A	12,000	N/A	1,200	6,000	9,000	27,078.0

N/A = Not Applicable

(a) All of RM 124 can be used for temporary staging of up to 616 drums (double stacked). The west part of RM 124 can instead be used for licensed storage of up to 376 drums (double-stacked).

(b) Maximum hazardous waste storage capacity (gallons and drum count) is derived from the container/pallet layout Container Storage Map [Appendix G-08] and assumes that pallets are doubled stacked.

(c) Secondary containment capacity requirement is 10% of the total container volume or largest container volume, whichever is larger. Includes all hazardous waste in storage, all containers that are temporarily staged (less than 24 hours) and all other containers with free liquids (haz and non-haz) in storage. This provides the basis for secondary containment. Secondary containment capacities for RM 124, RM 125 and RM 126 are combined into a single containment area.

(d) Room 124, 125 and 126 have interconnected secondary containment therefore, the total net volume for foam sprinkler system discharged is used. The foam sprinkler discharge amount is 21,160.0 gals (1,058 gpm*20-minutes discharge required per IBC-2015 5004.2.2.3).

(e) Secondary containment capacities calculation details are presented further within this document.

The Secondary Containment Map can be found under Appendix G-05.

RM 124 – HAZARDOUS WASTE STAGING AND STORAGE			
Item	Quantity	Units	Notes
Gross (Floor) Area	4,646.0	sq ft	
Secondary Storage Gross Volume	2,323.0	cubic ft	0.5ft*gross area
Anomalies (physical)	290.3	cubic ft	ramps and landings
Secondary Storage Gross Volume	2,032.8	cubic ft	
Secondary Storage Gross Volume	15,205.0	gals	1 cf = 7.48 gals
Displacement Volumes (Pallet/Drum Storage)	2,310.0	gals	77 pallet positions @ 30 gal each
Actual Spill Containment Net Volume	12,895.0	gals	
Largest Container Volume	330.0	gals	single tote
Total Storage Capacity	33,880.0	gals	77 pallets*(4) 55-gal drum ea*2 high
10% of Total for Spill Containment Required	3,388.0	gals	

Fire Suppression System Discharge	21,160.0	gals	1,058 gpm*20-minute discharge
			required per IBC-2015 5004.2.2.3

Displacement Volumes. The displacement in the RM 124 - Hazardous Waste Staging and Storage of any significance is the result of the use of pallets/containment pallets for the storage of containers. Pallet volume is 12.5 gallons (3.5" tall). The secondary containment depth of the building is 6" depth. Volume = (2.5" depth) x $\pi(11.25")^2 \times 4 = 3,914 \text{ in}^3 = 2.3 \text{ ft}^3 \times 7.48 \text{ gal/ft}^3 = 17.2 \text{ gals}$. Therefore, the volume displaced for each pallet on the floor is 30-gallons. The 77 pallets include 30 pallets in the staging area of RM 124 and 47 pallets in the storage area of RM 124.

Displacement volumes for forklift wheels and other auxiliary items is limited and will not significantly impact secondary containment capacities and therefore, is not included.

Notes

- (1) Room 124, 125 and 126 have interconnected secondary containment therefore, the total net volume for the foam sprinkler system discharge is used.
- (2) See Secondary Containment Map (C-05) for specific details.

RM 125 – HAZARDOUS WASTE STORAGE			
Item	Quantity	Units	Notes
Gross (Floor) Area	5,091.0	sq ft	
Secondary Storage Gross Volume	2,545.5	cubic ft	0.5ft*gross area
Anomalies (physical)	116.8	cubic ft	ramps and landings
Secondary Storage Gross Volume	2,428.8	cubic ft	
Secondary Storage Gross Volume	18,167.1	gals	1 cf = 7.48 gals
Displacement Volumes (Pallet/Drum Storage)	2,940.0	gals	98 pallet positions @ 30 gal each
Actual Spill Containment Net Volume	15,227.1	gals	
Largest Container Volume	330.0	gals	single tote
Total Storage Capacity	43,120.0	gals	98 pallets*(4) 55-gal drum ea*2 high
10% of Total for Spill Containment Required	4,312.0	gals	

Fire Suppression System Discharge	21,160.0	gals	1,058 gpm*20-minute discharge
			required per IBC-2015 5004.2.2.3

Displacement Volumes. The displacement in the RM 125 - Hazardous Waste Storage of any significance is the result of the use of pallets/containment pallets for the storage of containers. Pallet volume is 12.5 gallons (3.5" tall). The secondary containment depth of the building is 6" depth. Volume = (2.5" depth) x $\pi(11.25")^2 \times 4 = 3,914 \text{ in}^3 = 2.3 \text{ ft}^3 \times 7.48 \text{ gal/ft}^3 = 17.2 \text{ gals}$. Therefore, the volume displaced for each pallet on the floor is 30-gallons.

Displacement volumes for forklift wheels and other auxiliary items is limited and will not significantly impact secondary containment capacities and therefore, is not included.

Notes

- (1) Room 124, 125 and 126 have interconnected secondary containment therefore, the total net volume for foam sprinkler system discharge is used.
- (2) See Secondary Containment Map (C-05) for specific details.

RM 126 - HAZARDOUS WASTE STORAGE AND TREATMENT			
Item	Quantity	Units	Notes
Gross (Floor) Area	1,056.0	sq ft	
Secondary Storage Gross Volume	528.0	cubic ft	0.5ft*gross area
Anomalies (physical)	36.5	cubic ft	ramps and landings
Secondary Storage Gross Volume	491.5	cubic ft	
Secondary Storage Gross Volume	3,676.4	gals	1 cf = 7.48 gals
Displacement Volumes (Pallet/Drum Storage)	600.0	gals	20 pallet positions @ 30 gal each
Actual Spill Containment Net Volume	3,076.4	gals	
Largest Container Volume	330.0	gals	single tote
Total Storage Capacity	8,800.0	gals	20 pallets*(4) 55-gal drum ea*2 high
10% of Total for Spill Containment Required	880.0	gals	

Fire Suppression System Discharge	21,160.0	gals	1,058 gpm*20-minute discharge
			required per IBC-2015 5004.2.2.3

Displacement Volumes. The displacement in the RM 126 - Hazardous Waste Storage and Treatment of any significance is the result of the use of pallets/containment pallets for the storage of containers. Pallet volume is 12.5 gallons (3.5" tall). The secondary containment depth of the building is 6" depth. Volume = (2.5" depth) x $\Pi(11.25")^2 \times 4 = 3,914 \text{ in}^3 = 2.3 \text{ ft}^3 \times 7.48 \text{ gal/ft}^3 = 17.2 \text{ gals}$. Therefore, the volume displaced for each pallet on the floor is 30-gallons.

Displacement volumes for forklift wheels and other auxiliary items is limited and will not significantly impact secondary containment capacities and therefore, is not included.

Notes

- (1) Room 124, 125 and 126 have interconnected secondary containment therefore, the total net volume for foam sprinkler system discharge is used.
- (2) See Secondary Containment Map (C-05) for specific details.

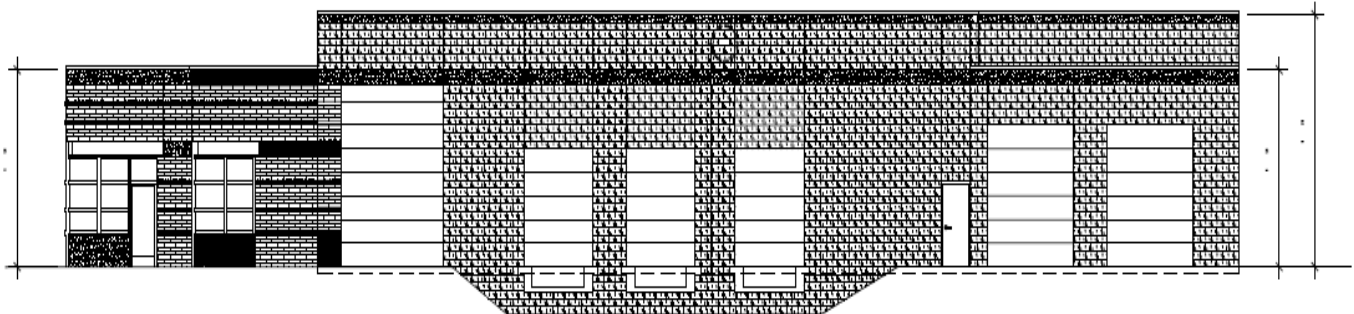
EAST LOADING DOCKS - HAZARDOUS WASTE STORAGE			
Item	Quantity	Units	Notes
Gross Area	1,850.0	sq ft	
Secondary Storage Gross Volume	2,312.5	cubic ft	(2.5 ft*gross area)/2
Anomalies (physical)	0.0	cubic ft	none present
Secondary Storage Gross Volume	2,312.5	cubic ft	
Secondary Storage Gross Volume	17,297.5	gals	1 cf = 7.48 gals
Displacement Volumes (Truck Tires)	264.0	gals	3 tankers with 24 tires
Actual Spill Containment Net Volume	17,033.5	gals	
24-Hour Rain Fall Event	4.7	in	
Area	257,040.0	sq in	144*gross area
Rain Water Containment Volume	1,208,000.0	cubic in	
Rain Water Containment Volume	699.1	cubic ft	1 cubic in = 0.0005787 cubic ft
Rain Water Containment Volume	5,229.5	gals	1 cf = 7.48 gals
Largest Container Volume	6,000.0	gals	single tanker
Total Storage Capacity	18,000.0	gals	3 tankers/trailer
10% of Total for Spill Containment Required	600.0	gals	

Displacement Volumes. The displacement in the east loading docks only occurs as a result of three tankers/trailers that are parked in the area. Each tanker/trailer is assumed to have eight tires. The tire diameter is 3'. Assume that ¼ of the tire volume displaces the liquid. The volume of a tire equals $\pi \times R^2 \times t$, where R is the radius of the tire and t is the thickness of the tire. Volume = $(3.14) \times (1.5)^2 \times (0.83) = 5.86$ C.F. and ¼ of the tire volume = 1.47 C.F. Therefore, the volume displaced for 24 tires = $24 \times 1.47 \times 7.48$ gallons/C.F. = 264 gallons.

Notes

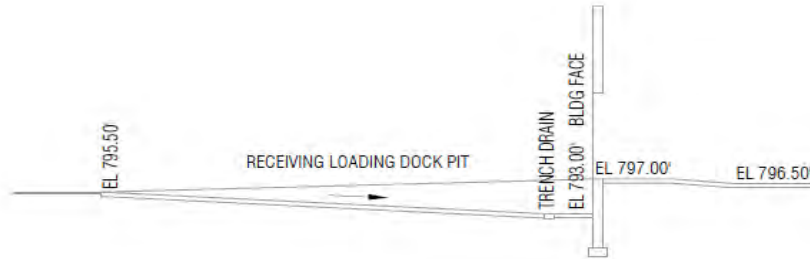
- (1) The 25-Year 25-Hour Rain Fall Event information was obtained from the NOAA Atlas 14 Point Precipitation Frequency Estimate.
- (2) See Secondary Containment Map (C-05) for specific details.

East Elevation



EAST ELEVATION

East Loading Dock Elevation Details



2 WIDNR Section thru Receiving Loading Dock
SCALE: 3/32" = 1'-0"

TANKER FILLING AREA PAD #1 AND #2			
Item	Quantity	Units	Notes
Gross Area	1,232.0	sq ft	616 sq ft for each pad area
Secondary Storage Gross Volume	0.0	cubic ft	(0.0 ft*gross area)
Anomalies (physical)	0.0	cubic ft	none present

SECONDARY CONTAINMENT STRUCTURE			
Item	Quantity	Units	Notes
Gross Area	2,000.0	sq ft	
Secondary Storage Gross Volume	4,000.0	cubic ft	(2 ft*gross area)
Anomalies (physical)	0.0	cubic ft	none present
Secondary Storage Gross Volume	4,000.0	cubic ft	
Secondary Storage Gross Volume	29,920.0	gals	1 cf = 7.48 gals
Displacement Volumes (Tanks)	2,842.0	gals	2 above ground storage tanks
Actual Spill Containment Net Volume	27,078.0	gals	
24-Hour Rain Fall Event	4.7	in	
Area	576,000.0	sq in	144*gross area
Rain Water Containment Volume	2,707,200.0	cubic in	
Rain Water Containment Volume	1,566.7	cubic ft	1 cubic in = 0.0005787 cubic ft
Rain Water Containment Volume	11,718.9	gals	1 cf = 7.48 gals
Largest AGST Container Volume	18,000.0	gals	single tank
Total AGST Storage Capacity	36,000.0	gals	2 above ground storage tanks (AGSTs)
10% of AGST Total for Spill Containment Required	1,800.0	gals	

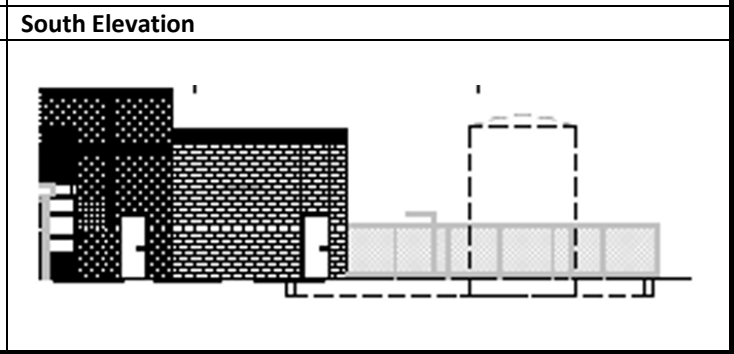
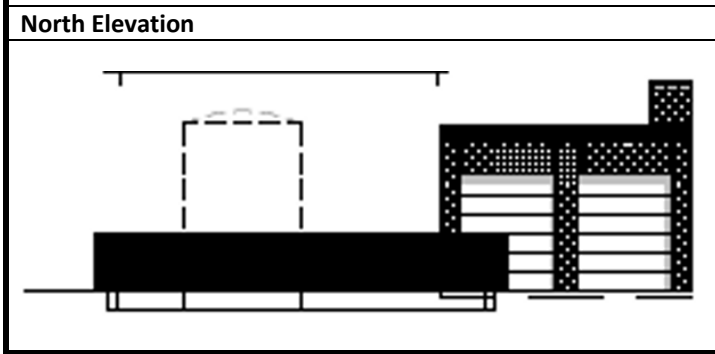
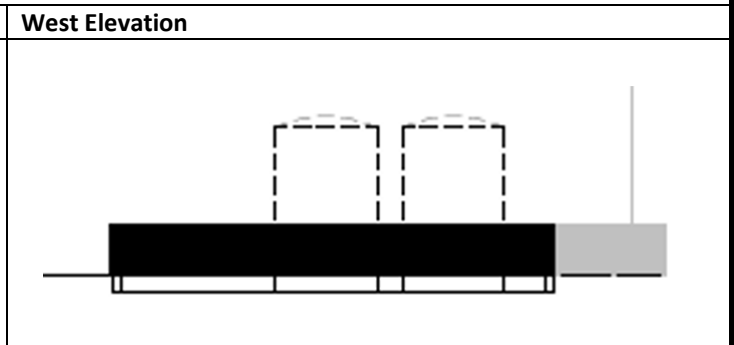
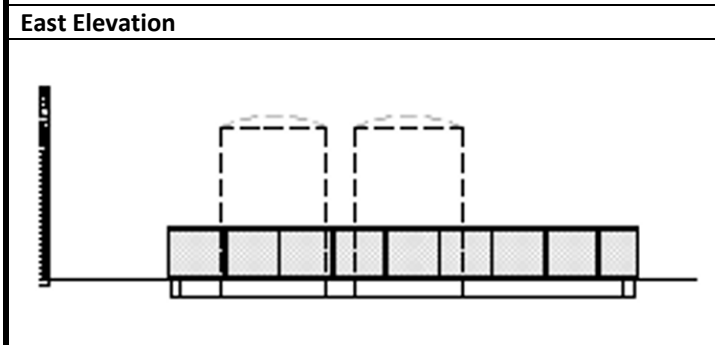
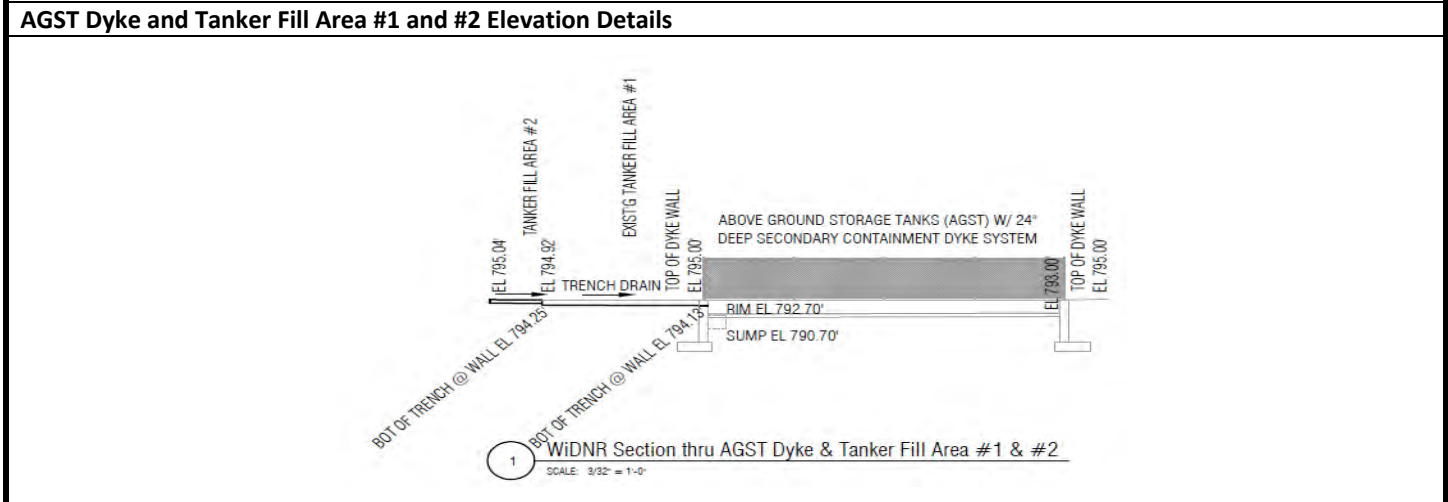
Fire Suppression System Discharge	9,000.0	gals	300 gpm*30-minutes discharge required Per NFPA 13
-----------------------------------	---------	------	--

Displacement Volumes. The displacement for the secondary containment structure only occurs as the result of two above ground storage tanks that are located within the structure itself. Each 18,000-gallon above ground storage tank is 11 ft in diameter and 25 ft in height. Volume = 190×7.48 gallons/C.F. = 1,421 gallons per tank. Therefore, the volume displaced for two above ground storage tanks would be 2,842 gallons.

Displacement volumes for pumps and other auxiliary items is limited and will not significantly impact secondary containment capacities and therefore, is not included.

Notes

- (1) The Tanker Filling Area Pad #1 and #2 does not provide containment but only conveys to the above ground storage tank container structure for spills and therefore is not contained within any of the above calculations.
- (2) The 25-Year 25-Hour Rain Fall Event information was obtained from the NOAA Atlas 14 Point Precipitation Frequency Estimate.
- (3) See Secondary Containment Map (C-05) for specific details.



Certification

I, Gregory Prossen, hereby certify that I am a registered Professional Engineer in the State of Wisconsin in accordance with ch. A-E 4, Wisconsin Administrative Code. Further, I hereby certify that all container containment structures meet the applicable performance standards in NR 664.0193 and NR 664.0175, Wisconsin Administrative Code. The secondary containment structures at Enviro-Safe Resource Recovery are:

- Designated and capable of detecting and collecting releases and accumulated liquids
- Sloped and designed to drain and remove liquids resulting from leaks and spills
- Designed with appropriate secondary containment capacity
- Constructed with chemical resistant water stops in all joints
- Free of gaps and cracks and provided with an impermeable interior coating

The undersigned Registered Professional Engineer is familiar with the requirements of Part 112 of Title 40 of the *Code of Federal Regulations* (40 CFR part 112) and has visited and examined the facility or has supervised examination of the facility by appropriately qualified personnel. The undersigned Registered Professional Engineer attests that this Spill Prevention, Control, and Countermeasure Plan has been prepared in accordance with good engineering practice, including consideration of applicable industry standards and the requirements of 40 CFR part 112; that procedures for required inspections and testing have been established; and that this Plan is adequate for the facility [112.3(d)].

Such certification shall in no way relieve the owner or operator of a facility of his duty to prepare and fully implement the SPCC Plan in accordance with the requirements of this part.



Signature

08/05/2021

Date

Gregg M. Prossen, P.E.

Name

The Consortium ae, LLC.

Title/Company

E-28075

P.E. Number



Enviro-Safe Resource Recovery
Appendix U-02 - NOAA Atlas 14 Point Precipitation Frequency Estimate



General Information

- Homepage
- Progress Reports
- FAQ
- Glossary

Precipitation Frequency

- Data Server
- GIS Grids
- Maps
- Time Series
- Temporals
- Documents

Probable Maximum Precipitation

- Documents

Miscellaneous

- Publications
- Storm Analysis
- Record Precipitation

Contact Us

- Inquiries



NOAA ATLAS 14 POINT PRECIPITATION FREQUENCY ESTIMATES: WI

Data description

Data type: Precipitation depth Units: English Time series type: Partial duration

Select location

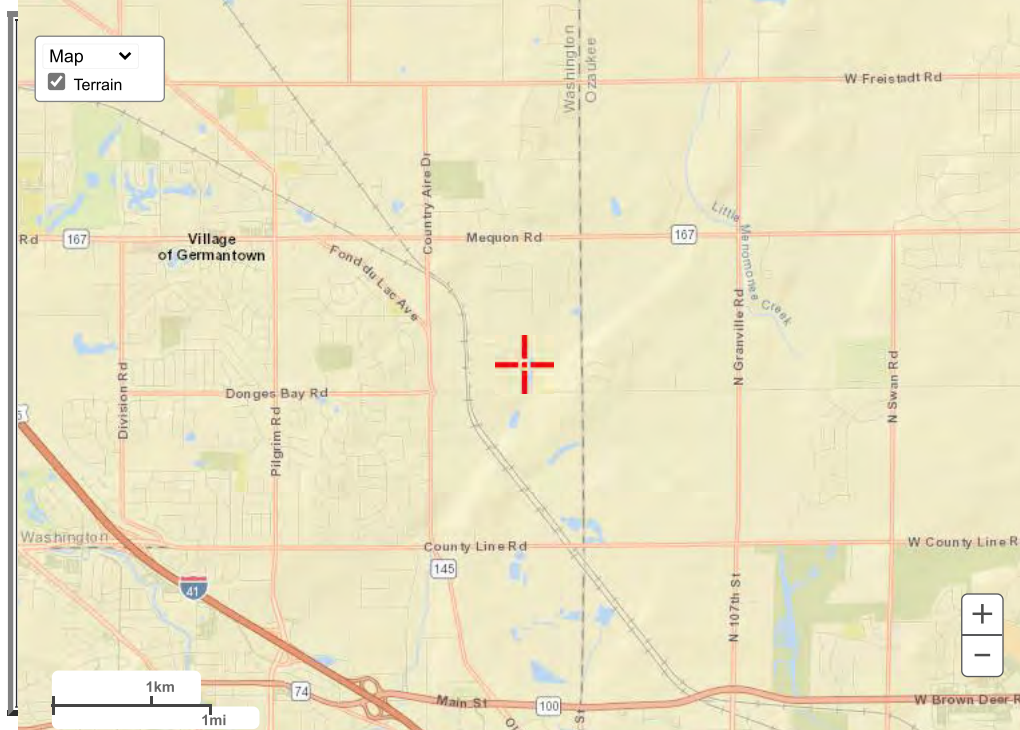
1) Manually:

a) By location (decimal degrees, use "-" for S and W): Latitude: Longitude:

b) By station (list of WI stations):

c) By address

2) Use map (if ESRI interactive map is not loading, try adding the host: <https://is.arcois.com/> to the firewall, or contact us at hdsc.uestions@noaa.gov):



a) Select location
Move crosshair or double click

b) Click on station icon
 Show stations on map

Location information:

Name: Germantown, Wisconsin, USA*
 Latitude: 43.2091°
 Longitude: -88.0710°
 Elevation: 796.77 ft **

* Source: ESRI Maps
 ** Source: USGS

POINT PRECIPITATION FREQUENCY (PF) ESTIMATES
 WITH 90% CONFIDENCE INTERVALS AND SUPPLEMENTARY INFORMATION
 NOAA Atlas 14, Volume 8, Version 2

[PF tabular](#)

[PF graphical](#)

[Supplementary information](#)

[Print page](#)

PDS-based precipitation frequency estimates with 90% confidence intervals (in inches)¹										
Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.331 (0.257-0.413)	0.400 (0.310-0.499)	0.509 (0.393-0.637)	0.597 (0.459-0.748)	0.714 (0.533-0.905)	0.800 (0.588-1.02)	0.884 (0.634-1.15)	0.966 (0.673-1.27)	1.07 (0.724-1.43)	1.15 (0.763-1.55)
10-min	0.485 (0.376-0.605)	0.585 (0.454-0.731)	0.745 (0.576-0.932)	0.874 (0.673-1.10)	1.05 (0.780-1.33)	1.17 (0.862-1.50)	1.30 (0.929-1.68)	1.42 (0.985-1.86)	1.57 (1.06-2.09)	1.68 (1.12-2.27)
15-min	0.591 (0.459-0.738)	0.714 (0.553-0.892)	0.909 (0.703-1.14)	1.07 (0.820-1.34)	1.27 (0.952-1.62)	1.43 (1.05-1.83)	1.58 (1.13-2.05)	1.73 (1.20-2.27)	1.91 (1.29-2.55)	2.05 (1.36-2.77)
30-min	0.811 (0.629-1.01)	0.984 (0.762-1.23)	1.26 (0.973-1.57)	1.48 (1.14-1.85)	1.77 (1.32-2.25)	1.99 (1.46-2.54)	2.20 (1.58-2.85)	2.40 (1.67-3.16)	2.67 (1.80-3.56)	2.85 (1.90-3.86)
60-min	1.05 (0.812-1.31)	1.26 (0.978-1.58)	1.62 (1.25-2.02)	1.91 (1.47-2.40)	2.33 (1.75-2.97)	2.65 (1.96-3.41)	2.98 (2.14-3.88)	3.31 (2.31-4.38)	3.76 (2.55-5.05)	4.10 (2.73-5.55)
2-hr	1.28 (1.01-1.59)	1.54 (1.21-1.90)	1.97 (1.55-2.44)	2.35 (1.83-2.91)	2.88 (2.20-3.66)	3.31 (2.48-4.23)	3.76 (2.74-4.86)	4.22 (2.98-5.55)	4.86 (3.33-6.48)	5.35 (3.60-7.19)
3-hr	1.44 (1.14-1.77)	1.71 (1.35-2.10)	2.18 (1.72-2.68)	2.60 (2.05-3.21)	3.23 (2.49-4.11)	3.75 (2.83-4.78)	4.30 (3.16-5.56)	4.88 (3.48-6.41)	5.71 (3.95-7.61)	6.38 (4.30-8.52)
6-hr	1.74 (1.40-2.11)	2.01 (1.61-2.45)	2.52 (2.01-3.07)	3.00 (2.39-3.66)	3.74 (2.95-4.75)	4.38 (3.37-5.58)	5.08 (3.80-6.55)	5.85 (4.23-7.65)	6.96 (4.87-9.24)	7.87 (5.36-10.4)
12-hr	2.06	2.33	2.84	3.34	4.15	4.86	5.64	6.52	7.80	8.86

	(1.67-2.47)	(1.89-2.79)	(2.30-3.42)	(2.69-4.04)	(3.31-5.23)	(3.78-6.13)	(4.27-7.22)	(4.76-8.47)	(5.51-10.3)	(6.08-11.6)
24-hr	2.35 (1.94-2.79)	2.65 (2.18-3.15)	3.23 (2.65-3.85)	3.79 (3.10-4.53)	4.68 (3.78-5.83)	5.45 (4.29-6.81)	6.31 (4.82-7.99)	7.26 (5.36-9.34)	8.64 (6.16-11.3)	9.78 (6.77-12.8)
2-day	2.63 (2.19-3.09)	3.02 (2.52-3.55)	3.74 (3.11-4.40)	4.41 (3.65-5.20)	5.43 (4.42-6.66)	6.30 (5.01-7.76)	7.25 (5.59-9.06)	8.28 (6.16-10.5)	9.76 (7.02-12.6)	11.0 (7.66-14.2)
3-day	2.89 (2.43-3.37)	3.29 (2.77-3.84)	4.03 (3.38-4.71)	4.72 (3.94-5.53)	5.77 (4.74-7.03)	6.67 (5.34-8.17)	7.65 (5.94-9.51)	8.72 (6.52-11.0)	10.2 (7.40-13.2)	11.5 (8.07-14.8)
4-day	3.11 (2.63-3.62)	3.52 (2.98-4.10)	4.28 (3.61-4.98)	4.98 (4.18-5.81)	6.05 (4.99-7.33)	6.97 (5.60-8.49)	7.96 (6.21-9.85)	9.04 (6.79-11.4)	10.6 (7.68-13.6)	11.9 (8.36-15.2)
7-day	3.65 (3.12-4.20)	4.13 (3.53-4.76)	4.99 (4.25-5.76)	5.76 (4.89-6.67)	6.92 (5.74-8.27)	7.88 (6.38-9.48)	8.90 (6.99-10.9)	10.0 (7.56-12.5)	11.6 (8.43-14.7)	12.8 (9.09-16.3)
10-day	4.13 (3.56-4.73)	4.68 (4.03-5.36)	5.62 (4.83-6.45)	6.45 (5.51-7.42)	7.67 (6.39-9.08)	8.66 (7.05-10.3)	9.70 (7.65-11.8)	10.8 (8.20-13.4)	12.3 (9.03-15.5)	13.6 (9.66-17.2)
20-day	5.64 (4.93-6.37)	6.30 (5.51-7.13)	7.41 (6.45-8.40)	8.34 (7.23-9.49)	9.66 (8.12-11.2)	10.7 (8.79-12.6)	11.7 (9.35-14.0)	12.8 (9.82-15.7)	14.3 (10.5-17.8)	15.4 (11.1-19.4)
30-day	6.95 (6.13-7.81)	7.74 (6.82-8.70)	9.01 (7.92-10.1)	10.1 (8.78-11.4)	11.5 (9.69-13.2)	12.5 (10.4-14.6)	13.6 (10.9-16.1)	14.7 (11.3-17.7)	16.1 (11.9-19.8)	17.1 (12.4-21.4)
45-day	8.65 (7.70-9.66)	9.65 (8.57-10.8)	11.2 (9.92-12.5)	12.4 (10.9-13.9)	14.0 (11.9-16.0)	15.2 (12.6-17.5)	16.3 (13.1-19.1)	17.3 (13.4-20.7)	18.6 (13.8-22.8)	19.5 (14.2-24.3)
60-day	10.1 (9.07-11.2)	11.3 (10.1-12.6)	13.2 (11.8-14.7)	14.6 (13.0-16.3)	16.4 (14.0-18.5)	17.7 (14.7-20.2)	18.8 (15.2-21.9)	19.8 (15.3-23.6)	21.0 (15.6-25.5)	21.7 (15.9-27.0)

¹ Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

Estimates from the table in CSV format: [Precipitation frequency estimates](#)

Main Link Categories:
[Home](#) | [OWP](#)

Enviro-Safe Resource Recovery
Appendix U-03 - Joint Sealer and Concrete Additive Specifications



1. PRODUCT NAME

XYPEX Concrete Waterproofing
by Crystallization™

2. MANUFACTURER

XYPEX Chemical Corporation
13731 Mayfield Place
Richmond, BC, Canada V6V 2G9
☎ Tel: (800) 961-4477
☎ Tel: (604) 273-5265 BC
Fax: (604) 270-0451
E-mail: info@xypex.com
Web: www.xypex.com

3. PRODUCT DESCRIPTION

Basic Use

XYPEX is a unique chemical treatment for the waterproofing and protection of concrete. Among its many uses, XYPEX is suitable for waterproofing reservoirs, sewage and water treatment tanks, tunnels, manholes, underground vaults, foundation walls and parking decks. It can be used on either poured-in-place concrete or concrete block and can be applied to either the interior or exterior surface with equal results.

Characteristics

XYPEX waterproofs underground structures from the inside against hydrostatic pressure. By the process of diffusion and because the chemicals in XYPEX have an affinity with water, the crystalline formation migrates throughout the pores and capillary tracts of concrete even against strong hydrostatic pressure.

XYPEX protects concrete and reinforcing steel. The XYPEX treatment is highly resistant to most aggressive substances, pH 3 – 11 constant contact, pH 2 – 12 periodic contact. By preventing the intrusion of chemicals, salt water, sewage and other harmful materials, XYPEX protects concrete and reinforcing steel from deterioration and oxidation. The concrete is also protected against spalling, efflorescence, popouts and other damages caused by weathering, bleed-

ing of the salts and internal expansion and contraction during the freeze/thaw cycle.

XYPEX permits concrete to breathe. The XYPEX crystalline formation has fixed-size air spaces so small that water cannot pass through. It does allow the passage of air and vapor, thus the concrete is able to breathe and become thoroughly dry, preventing moisture vapor build-up.

XYPEX products are nontoxic. They have been approved by NSF International, US Environmental Protection Agency, Agriculture Canada and many other government health agencies throughout the world for use on concrete structures that hold potable water or are in contact with foodstuffs.

Advantages

- Not just a surface coating - Not dependent upon continuity of membrane for waterproofing action
- Seals hairline cracks up to 1/64 in. (0.4 mm)
- No surface priming or leveling required
- Cannot puncture, tear or come apart at the seams
- Does not require protection during back-filling or during placement of steel, wire mesh or other materials
- Can be applied to moist or green concrete
- Less costly to apply than most other waterproofing methods

Composition & Materials

XYPEX is manufactured in the form of a dry powder compound consisting of portland cement, very fine treated silica sand and various active proprietary chemicals.

When mixed with water and applied as a cementitious coating, the active chemicals in XYPEX cause a catalytic reaction which generates a nonsoluble crystalline formation of dendritic fibers within the pores and capillary tracts of concrete. Thus, the concrete itself becomes permanently sealed against the penetration of water or liquids from any direction.

Types

XYPEX crystalline waterproofing technology is available in three forms:

- As a coating – for new or existing structures
- As a dry shake material – for new horizontal surfaces
- As an admixture – included in the concrete mix at the time of batching

XYPEX CONCENTRATE

Used as a single coating on above or below-grade concrete, or as the first of a 2 coat application where two coats are required. See XYPEX Specification Manual. Also used as a Dry-Pac for sealing construction joints and for repair of cracks, faulty construction joints and honeycombing. XYPEX CONCENTRATE is the most chemically potent of the XYPEX crystalline waterproofing materials.

XYPEX MODIFIED

Used as a second coat to reinforce XYPEX CONCENTRATE where two coats are required and as a single coat for exterior dampproofing.

XYPEX CONCENTRATE DS-1 AND DS-2

Dry shake formulations designed for application on fresh horizontal concrete prior to finishing operations.

XYPEX ADMIX C-500, C-1000 AND C-2000

Used as an integral waterproofing admixture which is included in the concrete mix at the time of batching.

XYPEX PATCH'N PLUG

Fast setting, nonshrink, high-bond-strength hydraulic cement compound for concrete repairs. Stops flowing water in seconds. PATCH'N PLUG seals cracks and tie holes. It is also used for the general repair or patching of concrete. PATCH'N PLUG can be used in conjunction with XYCRYLIC ADMIX to increase the compressive strength and bond strength of existing concrete.

XYPEX MEGAMIX I AND MEGAMIX II

MEGAMIX I is a thin parge coat for the waterproofing and resurfacing of vertical concrete and masonry surfaces. MEGAMIX II is a thick repair mortar used for patching and resurfacing deteriorated concrete, whether vertical or overhead. MEGAMIX II has been specifically formulated as a one-component mortar to produce superior bond, low shrinkage, high strength and durability. Both Megamix products



TECHNICAL DATA SHEET – POLYSPEC® 196BA

Revised: 4/2018

DESCRIPTION

PolySpec 196BA modifies the surface of polysulfides to provide bond sites that allow improved adhesion of fluoroelastomer coatings to the polysulfide surface.

TYPICAL APPLICATION

PRIMER	THIOKOL® 5050 Primer @ 3–5 mils (concrete) 2-3 mils (steel)
BACKER ROD	Customer supplied
SEALANT	THIOKOL® 2235M
BONDING AGENT	PolySpec 196BA @ 1-2 mils
BASECOAT	PolySpec 196SL @ 20-25 mils WFT
TOPCOAT	PolySpec 196SL @ 20-25 mils WFT

STORAGE & INSTALLATION

STORAGE ENVIRONMENT	Dry area, 65-80°F
APPLICATION TEMPERATURE, AMBIENT	50-95°F
APPLICATION TEMPERATURE, SUBSTRATE	Minimum 5° F above dew point
SHELF LIFE	60 days
PROVIDED STORAGE ENVIRONMENT GUIDELINES ARE FOLLOWED	60 days
DRY TIME, @ 77°F	16 hours

Material cures more slowly at cooler temperatures, and working time will be substantially reduced at higher temperatures. In hot weather, material should be cooled to 65°F to 80°F prior to mixing and application to improve workability and avoid shortened pot life. The data shown above reflects typical results based on laboratory testing under controlled conditions. Reasonable variations from the data shown above may result.

BENEFITS

- One component
- Wipe-on application

RECOMMENDED USES

- Used to promote adhesion of fluoroelastomer coatings and sealants

GENERIC DESCRIPTION: Bonding Agent

STANDARD COLORS: Amber

PACKAGING: 2-Ounce Unit

POLYSPEC® 196BA

INDUSTRIAL JOINT SYSTEM, BONDING AGENT FOR POLYSPEC® 196SL OVER POLYSULFIDE SEALANT

SURFACE PREPARATION

- Apply only to cured dry and sound sealant surfaces.
- Sealant may need to be solvent wiped prior to installation to remove dust, dirt, oils and contaminants.

INSTALLATION STEPS

1. Using a clean white rag, apply a very thin (1–2 mils WFT maximum) layer of Bonding Agent directly to the exposed polysulfide sealant surface.
NOTE: Excess bonding agent can weaken adhesion.
2. Allow to dry for a minimum 16 hours.
NOTE: The 196BA will appear to dry instantly. The 16 hour dry time is necessary, however, for reaction between the polysulfide sealant and bonding agent to occur.
NOTE: Shorter drying time may be possible with the introduction of a heat source, but results should be evaluated before proceeding with large scale application.
3. Apply fluoroelastomer coating/sealant. See data sheet for detailed instructions.
4. Always wear gloves when using this product.

Premixed / DOC PS196BA-TDS

PolySpec, FlakeRez and PermaRez are ® Registered Trademarks of ITW Polymers Sealants North America, Inc.
Thiokol is a ® Registered Trademark of ITW Polymers Sealants North America, Inc..

© Copyright 2018 ITW Polymers Sealants North America, Inc. All rights reserved. Published technical data and instructions are subject to change without notice. Please visit the online catalog at www.polyspec.com for the most current technical data and instructions. Or, you may contact your ITW Polymers Sealants North America, Inc. representative for current technical data and instructions.

ITW Polymers Sealants North America, Inc. warrants its products to be free from defects in material and workmanship. ITW Polymers Sealants North America, Inc.'s sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at ITW Polymers Sealants North America, Inc.'s option, to either replacement of products not conforming to this warranty or credit to Buyer's account in the invoiced amount of the nonconforming products. Any claim under this Warranty must be made by Buyer to ITW Polymers Sealants North America, Inc. in writing within five days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify ITW Polymers Sealants North America, Inc. of such nonconformance as required herein shall bar Buyer from recovery under this warranty.

ITW Polymers Sealants North America, Inc. makes no other warranties concerning this product. No other warranties, either expressed or implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall ITW Polymers Sealants North America, Inc. be liable for consequential or incidental damages.

Any recommendation or suggestion relating to the use of the products made by ITW Polymers Sealants North America, Inc. whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know-how in the industry, and therefore it is for the Buyer to satisfy itself of the suitability of the products for its own particular use, and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment changes in procedures of use, or extrapolation of data may cause unsatisfactory results. ITW Polymers Sealants North America, Inc. can not guarantee that color will conform to sample, if provided.



TECHNICAL DATA SHEET – POLYSPEC® 196SL

Revised: 4/2018

DESCRIPTION

PolySpec 196SL is a high performance fluoroelastomer coating for use over THIOKOL® Sealants where increased chemical resistance is required. It is recommended for resistance to many aggressive chemicals at elevated temperatures.

TYPICAL APPLICATION

PRIMER	THIOKOL® 5050 Primer @ 3–5 mils (concrete) 2–3 mils (steel)
BACKER ROD	Customer supplied
SEALANT	THIOKOL® 2235M
BONDING AGENT	PolySpec 196BA @ 1–2 mils
BASECOAT	PolySpec 196SL @ 20–25 mils WFT
TOPCOAT	PolySpec 196SL @ 20–25 mils WFT

PERFORMANCE DATA

TENSILE STRENGTH (ASTM D - 638)	900 psi
ELONGATION (ASTM D - 2370)	150%
PEEL STRENGTH (ASTM C-794)	100 lbs

BENEFITS

- Retains flexibility even as concrete moves
- Resistant to aggressive chemicals at service temperatures from -40°F to 400°F
- Resistant to ozone, sunlight and UV radiation, maintaining superior bond and flexibility in outdoor applications
- Achieves chemical resistance benefits off fluoroelastomer sealants at a lower cost
- Excellent chemical resistance to concentrated sulfuric acid, 73% nitric acid, phosphoric and hydrochloric acid; also resists petroleum products, many chlorinated solvents and aggressive chemicals such as aniline and phenol

RECOMMENDED USES

- Chemical containment dikes exposed to aggressive chemical spills
- Chemical process areas - Chemical plants - Semiconductor facilities
- Hazardous waste treatment, storage and unloading areas
- Truck and rail loading/unloading areas

GENERIC DESCRIPTION

Fluoroelastomer

STANDARD COLORS: Black

PACKAGING: 1-Quart Unit

MIX RATIO: 1R:1H

POLYSPEC® 196SL

INDUSTRIAL JOINT SYSTEM, CHEMICAL RESISTANT COATING

COVERAGE:

20 ft² / gallon @ 40 mils WFT (includes two coats @ 20 mils WFT each)
16 ft² / gallon @ 50 mils WFT (includes two coats @ 25 mils WFT each)

STORAGE & INSTALLATION

STORAGE ENVIRONMENT	Dry area, 65-80°F
APPLICATION TEMPERATURE, AMBIENT	50-95°F
SERVICE TEMPERATURE	-40°-400°F
APPLICATION TEMPERATURE, SUBSTRATE	Minimum 5°F above dew point
SHELF LIFE	6 months
POT LIFE, @ 77°F	4 hours
FULL SERVICE, @ 77°F	3-5 days

Material cures more slowly at cooler temperatures, and working time will be substantially reduced at higher temperatures. In hot weather, material should be cooled to 65°F to 80°F prior to mixing and application to improve workability and avoid shortened pot life. The data shown above reflects typical results based on laboratory testing under controlled conditions. Reasonable variations from the data shown above may result.

CONSIDERATIONS & LIMITATIONS

1. PolySpec 196SL is suited for indoor and outdoor use.
2. PolySpec 196SL is not recommended for ketone solvents and esters (such as ethyl acetate) or strong alkaline compounds.
3. Do not thin with solvents unless advised to do so by ITW Polymers Sealants North America, Inc.
4. Confirm product performance in specific chemical environment prior to use.
5. Prepare substrate according to "Surface Preparation" portion of this document.
6. Always use protective clothing, gloves and goggles during use. Avoid eye and skin contact. Do not ingest or inhale. Refer to Safety Data Sheet for detailed safety precautions.
7. For industrial/commercial use. Installation by trained personnel only.

SURFACE PREPARATION

CONCRETE: Apply only to clean, dry and sound concrete substrates that are free of all coatings, sealers, curing compounds, oils, greases or any other contaminants.

- New concrete should be cured a minimum of 28 days.
- Concrete that has been contaminated with chemicals or other foreign matter must be neutralized or removed.
- Remove any laitance or weak surface layers.
- Concrete should have a minimum surface tensile strength of at least 300 PSI per ASTM D-4541.
- Surface profile shall be CSP-3 to CSP-5 meeting ICRI (International Concrete Repair Institute) standard guideline
- #03732 for coating concrete, producing a profile equal to 60-grit sandpaper or coarser. Prepare surface by mechanical means to achieve this desired profile.
- Moisture vapor transmission should be 3 a 24 hour time period, as confirmed through a calcium chloride test, as per ASTM E-1907. Quantitative relative humidity (RH) testing, ASTM F-2170, should confirm concrete RH results < 75%.
- All surface irregularities, cracks, expansion joints and control joints should be properly addressed prior to application.

Refer to PolySpec Surface Preparation Guidelines for more details.

INSTALLATION STEPS

NOTE: This product is typically installed as part of a THIOKOL Sealant System. Refer to THIOKOL 2235M or THIOKOL 2235SL technical data sheet for detailed sealant application instructions.

1. Using a clean white rag, apply a very thin (1-2 mils WFT maximum) layer of Bonding Agent directly to the exposed polysulfide sealant surface.
NOTE: Excess bonding agent can weaken adhesion
2. Allow to dry for a minimum 16 hours.
NOTE: The 196BA will appear to dry instantly. The 16 hour dry time is necessary, however, for reaction between the polysulfide sealant and bonding agent to occur.
3. Mask off the edges of the expansion joint using masking or duct tape, leaving 1/4" to 1/2" of concrete exposed.
4. PolySpec 196SL Component A Resin should be premixed prior to using due to possible pigment settling that may occur during transportation and storage. Using a broad spatula or paint stick, scrape the bottom and sides of the can thoroughly and feel for any undispersed materials clinging to the spatula.
5. Slowly pour Component B Hardener into the resin. Mix at low speed to avoid introducing substantial amounts of air into the liquid.
6. Cover the container and allow the catalyzed material to rest approximately 10 minutes. This will allow any air entrapped during mixing to escape.
NOTE: Keep the accelerated material covered when not in use. Air exposure increases the viscosity of the material.
7. Apply a 20-25 mil WFT coat of PolySpec 196SL by brush or roller.
8. Allow the first coat to dry for 20-30 minutes before applying a second coat of PolySpec 196SL.
NOTE: Keep the accelerated material covered when not in use. Air exposure increases the viscosity of the material.
9. Pull the masking tape 10-15 minutes after the second coat is applied.
10. Always wear gloves when using this product.

C-R/H / DOC PS196SL-TDS
PolySpec is a® Registered Trademark of ITW Polymers Sealants North America, Inc.
Thiokol is a® Registered Trademark of ITW Polymers Sealants North America, Inc.

© Copyright 2018 ITW Polymers Sealants North America, Inc. All rights reserved. Published technical data and instructions are subject to change without notice. Please visit the online catalog at www.polyspec.com for the most current technical data and instructions. Or, you may contact your ITW Polymers Sealants North America, Inc. representative for current technical data and instructions.

ITW Polymers Sealants North America, Inc. warrants its products to be free from defects in material and workmanship. ITW Polymers Sealants North America, Inc.'s sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at ITW Polymers Sealants North America, Inc.'s option, to either replacement of products not conforming to this warranty or credit to Buyer's account in the invoiced amount of the nonconforming products. Any claim under this Warranty must be made by Buyer to ITW Polymers Sealants North America, Inc. in writing within five days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify ITW Polymers Sealants North America, Inc. of such nonconformance as required herein shall bar Buyer from recovery under this warranty.

ITW Polymers Sealants North America, Inc. makes no other warranties concerning this product. No other warranties, either expressed or implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall ITW Polymers Sealants North America, Inc. be liable for consequential or incidental damages.

Any recommendation or suggestion relating to the use of the products made by ITW Polymers Sealants North America, Inc. whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know-how in the industry, and therefore it is for the Buyer to satisfy itself of the suitability of the products for its own particular use, and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment changes in procedures of use, or extrapolation of data may cause unsatisfactory results. ITW Polymers Sealants North America, Inc. can not guarantee that color will conform to sample, if provided.

PRODUCT DATA

9 09 67 23 **Resinous
Flooring**

UCRETE® WR

Polyurethane concrete for forming
cove bases and renovating walls

Description

Ucrete® WR is a four-component polyurethane-concrete material. It is used with other Ucrete® products to form cove bases. Ucrete® WR applies by trowel and yields excellent results; it can be installed to a depth of 1/8" (3 mm) in a single lift or to greater thicknesses in multiple lifts. It is extremely tough and has many physical properties that exceed those of typical concrete.

Yield

For coverage rates refer to the Ucrete® Contractor Installation Guideline.

Packaging

Part 1: 1 qt (0.95 L) cans

Part 2: 1 qt (0.95 L) cans

Part 3: 24 lb (10.7 kg) bag

Part 4: 1 lb (0.4 kg) pigment packs

Colors

Red, gray, cream, green, black, blue and charcoal.

Because Ucrete® WR is a colored polyurethane concrete, color uniformity cannot be completely guaranteed from batch to batch. Do not mix batches within a single area.

Shelf Life

Part 1:

6 months when properly stored

Parts 2 and 3:

1 year when properly store

Part 4:

2 years when properly stored.

Features

- Fast curing
- Unaffected by freeze-thaw cycles
- Solvent free
- 30 years of project references
- Excellent impact and abrasion resistance
- Wide temperature service range from -50 to 235° F (-45 to 113° C)
- Can be applied to 7 – 10 day old concrete
- Chemical resistant
- Extremely high bond strength
- Coefficient of thermal expansion similar to concrete

Benefits

- Minimizes down time
- For interior or exterior use
- Low odor; VOC compliant
- Proven track record
- Handles heavy traffic
- Exceeds that of typical epoxy overlays
- Accelerates work schedules
- Tolerates organic and inorganic acids, alkalis, and salts
- Reduces shear at bond line
- Prevents shear at bondline

Storage

Store and transport in unopened containers in a clean, dry area at stable temperatures approximating 65° F (18° C).

Where to Use

APPLICATION

- To protect drains, tank bases, sumps, containment pits, curbs, and other vertical surfaces
- Where severe conditions exist—high impact pressure, thermal shock, and chemical exposure
- Use with all Ucrete® flooring products
- Chemical processing facilities
- Meat, poultry, and dairy plants
- Bakeries
- Confectionery-packaging areas

- Food warehouses
- Textile-production sites
- Precious-metal refineries
- Pharmaceutical facilities
- Freezers and refrigerated storage areas

LOCATION

- Interior and exterior applications

SUBSTRATE

- New and aged concrete; when applying over other surfaces, contact BASF Technical Service

Technical Data

Composition

Ucrete® WR is a four-component polyurethane-concrete cove-base material.

Compliances

- USDA accepted for use in federally inspected meat and poultry plants in the USA
- Ministry of Agriculture, Canada, accepted for use in food establishments in Canada
- British Standard Specifications (BSS), for use in the U.K.

Test Data

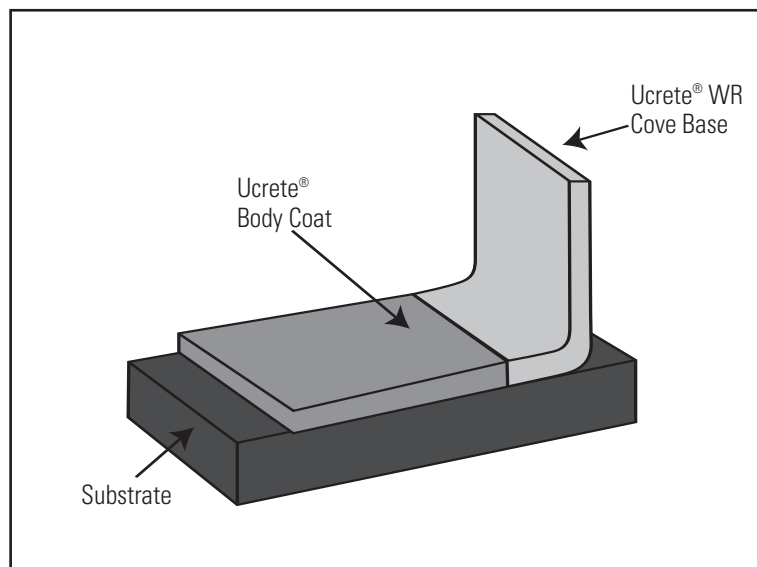
PROPERTY	RESULTS	TEST METHODS
Compressive strength , psi (MPa)	7,000 (48.3)	ASTM C 579
Tensile strength , psi (MPa)	1,000 (5.5)	ASTM C 307
Coefficient of thermal expansion , in/in/° F (cm/cm/° C)	1.1 x 10 ⁻⁵ (2.0 x 10 ⁻⁵)	ASTM C 531
Density , lb/ft ³ (g/cm ³)	130 (2.08)	ASTM C 905
Resistance to fungi growth	Passes, rating of 1	ASTM G 21
Impact resistance	No visible damage or deterioration at min.160 in-lb	ASTM D 2794
Compressive modulus , psi (MPa)	1.7 x 10 ⁵ (1,170)	ASTM C 469
Flexural strength , psi (MPa)	2,200 (15.2)	ASTM C 580
Modulus of elasticity , psi (MPa)	1.7 x 10 ⁵ (1,170)	ASTM C 469
Thermal conductivity , BTU-in/in-ft ² °F (W/mK)	8 (1.2)	ASTM C 177
Water absorption , %	< 0.1	ASTM C 413
Abrasion resistance , g loss; CS-17 Wheel, 1,000 cycles	0.07	ASTM D 4060
Resistance to elevated temperatures	No flow or softening	MIL-D-3134
Adhesion , psi (MPa)	400 (2.8) Cohesive / adhesive failure	ASTM D 4541

Chemical Resistance

In accordance with ASTM D 1308, Ucrete® WR will resist exposure for up to 48 days at 72° F (22° C) for the following chemicals.

- Dilute mineral acids, including hydrochloric (< 35%), phosphoric (< 50%), and sulfuric (< 30%)
- Alkalies, including potassium hydroxide to a 50% concentration
- Some dilute organic acids such as acetic (30%), formic, citric, and uric
- Fats, oils, and sugars
- Mineral oils, diesel fuel, kerosene, and gasoline
- Most organic solvents, including aliphatic and aromatic hydrocarbons and alcohol

NOTE: Full chemical resistance is achieved after curing for 7 days. For chemical resistance to a specific compound, consult the Ucrete® Chemical Resistance Guide for this flooring system. Contact your BASF representative for more information.



How to Apply

Ucrete® systems are installed by approved contracting firms who have completed the manufacturer's training workshops. Ucrete® is a globally branded product line with industry synergies around the world.

The following is only a summary of the installation techniques used by your Ucrete® approved contractors. Refer to the Ucrete® Contractor Installation Guideline for more information.

Surface Preparation

The success or failure of any application depends on proper preparation of the substrate. Ucrete® recommends a clean, sound substrate free of all surface contaminants. For WR at 1/8", profile to ICRI CSP 3 – 4. For WR at 3/16", profile to ICRI CSP 4–5. For WR at 5/16", profile to CSP 5 – 6.

Application

1. Prime the surface with the appropriate primer. See the Ucrete® Contractor Installation Guideline for details.
2. Mix the 4 components of Ucrete® WR using a mechanical mixer. The materials are supplied in pre-measured containers.
3. Trowel Ucrete® WR at a depth of 1/8" (3 mm) per lift. Use multiple lifts for thicknesses greater than 1/8" (3 mm). See the Ucrete® Contractor Installation Guide for additional information.

Maintenance

Regular cleaning and maintenance will prolong the life of all polymer flooring systems, enhance their appearance, and reduce any tendency to retain dirt. Ucrete® WR will withstand steam-cleaning, high-pressure hot-water washdowns (2,500 psi [17.2 MPa] at 180° F [82° C]) along with a wide range of decontamination and degreasing materials.

For Best Performance

- Substrates must be structurally sound, clean, dry, and free of any foreign matter that could inhibit adhesion.
- Do not apply at temperatures below 40° F (4° C) or above 85° F (29° C) or if the relative humidity is above 85%.
- Do not expose the Ucrete® WR to any chemicals until fully cured (12 – 24 hours at 70° F [21° C]). When temperatures fall below 50° F (10° C), curing time could exceed 48 hours to reach full operational strength.
- Do not apply Ucrete® WR to unreinforced drywall, asphalt or bitumen substrates, glazed tile, nonporous brick or tile, magnesite, copper, aluminum, existing coatings, epoxies, or polyesters.
- The architect and owner should address cove design with the flooring contractor before the job starts.
- BASF representatives and flooring specialists are available to assist you in the selection of the proper flooring system. Call 1-800-243-6739 for in-house and field technical assistance.
- Make certain the most current versions of product data sheet and MSDS are being used; call Customer Service (1-800-433-9517) to verify the most current versions.
- Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

Health, Safety and Environmental

Read, understand and follow Material Safety Data Sheets and product labels for all components of this flooring system prior to use. The MSDS can be obtained by searching for them on www.BuildingSystems.BASF.com, e-mailing your request to basfbscst@basf.com or calling 800/433-9517. Use only as directed.

**BASF Construction Chemicals, LLC –
Building Systems**

889 Valley Park Drive
Shakopee, MN, 55379

www.BuildingSystems.BASF.com

Customer Service 800-433-9517
Technical Service 800-243-6739



LIMITED WARRANTY NOTICE Every reasonable effort is made to apply BASF exacting standards both in the manufacture of our products and in the information which we issue concerning these products and their use. We warrant our products to be of good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, **BASF MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and BASF shall have no other liability with respect thereto.** Any claim regarding product defect must be received in writing within one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the BASF Technical Manager.

This information and all further technical advice are based on BASF's present knowledge and experience. However, BASF assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights. In particular, BASF disclaims all **CONDITIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, BASF SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND.** BASF reserves the right to make any changes according to technological progress or further developments. It is the customer's responsibility and obligation to carefully inspect and test any incoming goods. Performance of the product(s) described herein should be verified by testing and carried out only by qualified experts. It is the sole responsibility of the customer to carry out and arrange for any such testing. Reference to trade names used by other companies is neither a recommendation, nor an endorsement of any product and does not imply that similar products could not be used.

For professional use only. Not for sale to or use by the general public.

Form No. 1025794 10/09

Printed on recycled paper including 10% post-consumer fiber.

© 2009 BASF
Printed in U.S.A.

Synthacalk™ GC2+

Two-Part Polysulfide Rubber Sealant

Specification Data Sheet



1. BASIC USES

Synthacalk™ GC2+ provides a durable, elastomeric, weather-tight seal for caulking joints in commercial and industrial projects. It is particularly effective where exposure to solvents or chemicals are anticipated.

2. MANUFACTURER

Pecora Corporation
165 Wambold Road
Harleysville, PA 19438
Phone: 215-723-6051
800-523-6688
Fax: 215-721-0286
Website: www.pecora.com

3. PRODUCT DESCRIPTION

Typical Applications: Synthacalk™ GC2+ is a two part, polysulfide, non sag sealant that maintains an effective bond between materials of similar or dissimilar porosities, surface texture, or expansion coefficients. Typical applications include swimming pools, fountains, cooling towers fuel and chemical storage tanks, wastewater treatment and petrochemical plants.

Limitations: Synthacalk™ GC2+ is not recommended for:

- Structural or butt glazing.
- Joints less than 1/4" (6 mm) in width or depth.
- Certain architectural paints and finishes without prior testing.

PACKAGING

- 1-1/2gallon (3.8L) unit
Consisting of base and activator nested in 2-gallon pail.)

COLOR

- Dark Grey

4. TECHNICAL DATA

Applicable Standards: Synthacalk™ GC2+ meets or exceeds all aspects of Federal Specification TT-S-00227E, Type II, Class A in all respects except Section 3.5.7, "Stain and Color Change", ASTM

C920, Type M, Grade NS, Class 25, Use, NT, T, M, G, A, with the exception of ASTM C510 "Stain and Color Change", Also exceeds the test requirements of ASTM C1247 for sealants exposed to continuous immersion in liquids and NSF Standards 61, Section 6 for Joining and Sealing Materials.

Synthacalk™ GC2+ two component joint sealant is resistant to the effects of sunlight, rain, snow, ozone, aging, shrinkage, and the daily and seasonal cyclic changes in temperature, even after years of exposure.

5. INSTALLATION

Joint Design: The minimum width of the joint should be 4 times the anticipated movement, but not less than 1/4" (6 mm). Maximum recommended width is 1" (24 mm). The depth of the joint should be no more than one-half the width without exceeding the minimum/maximum limits. Maximum depth should be 1/2" (12 mm). For additional information, contact Pecora's Technical Services Department.

Surface Preparation: Joint interface must be clean, dry, and free from oils, loose mortar, laitance, waterproofigs, and other contaminants. A thorough grinding, sandblasting, or solvent cleaning may be required to expose clean, sound surfaces.

Priming: Synthacalk™ P53VOC primer must be applied to joint surfaces. Sealant must be applied after primer has dried, but within 8 hours after application.

Joint Backing: Backer rod is necessary to control depth of sealant and provide

a base for tooling pressure. Backer rods should be closed-cell polyethylene foam. Use a size that will compress at least 25% when inserted into the joint. In joints too shallow for backer rod, a bond-breaker tape should be used to prevent three sided adhesion. (Typical bond breakers are polyethylene tape or coated papers).

Application: Synthacalk™ GC2+ is supplied in a non-sag consistency which will gun easily with conventional caulking equipment. Fill joint completely, using standard caulking equipment and tool immediately. Proper width to depth ratios must be maintained. Thorough blending of the base and activator components is essential for optimum sealant performance. Remove the Activator (Part A) from the Base (Part B) container. Also, be sure to remove the polyethylene sheet or tray. Before adding Part A, mix Part B with a Pecora #2 mixing paddle with a low speed, heavy duty electric drill. Then, add Part A to Part B and mix for six (6) minutes, or until the material is completely blended, scraping down the sides of the container and mixing paddle periodically during mixing.

NOTE: Do not mix base and activator components from one shipment with components from another.

Application Life: 1 hour at 75° F (24° C); higher temperatures shorten application life. Substrate temperature must range between 50° F (10° C) and 110° F (43° C).

Shelf Life: One year in original, unopened containers stored at temperatures lower than 80° F (26° C).

TYPICAL PHYSICAL PROPERTIES at 77°F (25°C), 50% RH

Test Property	Value	Test Procedure
Specific Gravity, mixed (g/ml)	1.70	ASTM D70
Solids (%)	100	ASTM C1250
Joint Movement (%)	+/-25	ASTM C719
Hardness (Shore A)	25-30	ASTM C661
Work Life (hours)	1	Pecora Corporation
Tack-Free (hours)	<24	ASTM C679
Elongation (%)	500-550	ASTM D412
Tensile Strength (psi)	150-200	ASTM D412
100% Modulus (psi)	50	ASTM D412
200% Modulus (psi)	80	ASTM D412

Tooling: Tooling is recommended immediately after application to ensure full contact with the joint interfaces. Dry tooling is preferred. Care should be taken to avoid contamination of open joints.

Clean Up: Remove Synthacalk™ GC2+ from equipment before it cures. Recommended solvents are MEK*, Toluene* or Xylene*. These solvents are not effective after cure. Cured material may be removed by cutting with sharp tools, sandpapering or softening with chlorinated solvents*.

*(Solvents mentioned are toxic and flammable. Observe solvent manufacturer's precautions and refer to Safety Data Sheets). Allow Synthacalk™ GC2+ to attain a complete cure before filling caulked area with water (7 days minimum). Surface of Synthacalk™ GC2+ can be painted after complete cure.

Precautions: Wear gloves or a barrier hand cream. Avoid direct contact with material; do not take internally. Remove promptly from skin with a commercial hand cleaner before eating or smoking. Avoid inhaling vapors.

**FOR PROFESSIONAL USE ONLY.
KEEP OUT OF THE REACH
OF CHILDREN.**

6. AVAILABILITY AND COST

Pecora products are available from our plants and warehouses, or from stocking distributors in all major cities. For the name and telephone number of your nearest representative call 800-523-6688 or visit our website at www.pecora.com.

7. WARRANTY

Pecora Corporation warrants its products to be free of defects. Under this warranty, we will provide, at no charge, replacement materials for, or refund the purchase price of, any product proven to be defective when installed in accordance with our published recommendations and in application considered by us as suitable for this product. This warranty is in lieu of any and all other warranties, expressed or implied, and in no case will Pecora be liable for incidental or consequential damages.

8. MAINTENANCE

If the sealant is damaged and the bond is intact, cut out the damaged area and recaulk. No primer is required. If the bond has been affected, remove the sealant, clean and prepare the joint in accordance with the instructions under "INSTALLATION".

9. TECHNICAL SERVICES

Pecora representatives are available to assist you in selecting an appropriate product and to provide on-site application instructions or to conduct jobsite inspections. For further information and assistance, please call our Technical Services department at 215-723-6051 or 800-523-6688.

10. FILING SYSTEMS

<http://www.4specs.com>

07 10 00 Waterproofing
07 92 00 Sealants



CHEMICAL RESISTANCE CHART

This data should only be used as a guide. It is recommended to test the material under actual (or at least simulated) service conditions before specification and/or use.

Rating Key:

R = Recommended	C = Intermittent Contact; not continuous immersion	NR = Not Recommended
C Acetic Acid, 10%	R Ferrous Sulfate, 10%	R N-Butyl Alcohol
C Acetic Acid, 50%	R Fluoboric Acid, 10%	R NaphthaVM & P
NR Acetic Acid, Glacial	NR Formic Acid, 90%	R Naphthalene Oil
C Acetone	R Fuel Oil/Diesel Fuel	NR Nitric Acid, 10%
C Acrylonitrile	NR 2-Furaldehyde	NR Nitric Acid, 30%
R Aluminum Sulfate Solution, 50%	R Gasoline, Leaded	NR Nitric Acid, 60%
R Ammonium Chloride Solution, 50%	R Gasoline, Unleaded	R Oleic Acid
C Ammonium Hydroxide Solution, 28%	R Gasol	R Oxalic Acid, 20%
R Ammonium Perchlorate, 15%	NR Glycol Ether EM	R Paraffinic Oil
R Ammonium Perchlorate, 50%	R Heptane	Pesticides
R Ammonium Polysulfate	Herbicides	R —Arrosolo 3.3E
R Ammonium Sulfate Solution, 30%	R — Marksman	R — Eradicane 6.7E
R Amyl Alcohol	R — Banvel	R Phenolic Resins
NR Arcosolv PM Acetate	C — Dual 8E	R Phosphoric Acid, 50%
R ASTM Fuel A	C — Bicep 6L	C Phosphoric Acid, 60%
R ASTM Fuel B	R —Aatrex 4L	C Phosphoric Acid, 75%
R ASTM Fuel C	R — Prowl 3.3 EC	R Phthalic Anhydride, 38% slurry
R ASTM Fuel D	R —Tri-4	Pickling Solution
R Barium Hydroxide, 10%	R —Treflan	NR — 20% Nitric Acid, 4% HF
NR Benzene	R — Serve 24E	NR — 17% Nitric Acid, 4% HF
NR Benzoflex 9-88	R — Sonalan E.C.	R Potassium Carbonate
NR Benzoic Acid, 5%	R Hexane	R Potassium Hydroxide Solution, 25%
R Borax Solutions, 25%	R Hexane Glycol	R Potassium Hydroxide, 50%
R Boric Acid Solution, 20%	C Hydrochloric Acid, 20%	NR Potassium Permanganate, 6%
R Borohydride Solution	NR Hydrochloric Acid, 37%	R Propylene Glycol
R 1-4 Butanediol	R Hydrofluoric Acid, 5%	NR Propylene Oxide
NR Butyl Benzyl Phthalate	R Hydrofluoric Acid, 10%	R SAE 10 Oil
R Butyl Cellulosolve	R Hydrofluoric Acid, 23%	R Shell Tellus Oil 46
NR Butyl Cellulosolve Acetate	R Hydrogen Peroxide, 3%	R Skydrol 500B
R Butyl Dioxitol	R Hydrogen Peroxide, 20%	R Soap Solutions
R Butyl Oxitol	R Hydrogen Peroxide, 35%	R Sodium Bicarbonate Solution, 25%
R Calcium Chloride Solutions, 50%	R Isobutyl Alcohol	R Sodium Chloride Solution, 25%
R Calcium Hydroxide, 20%	R Isobutyl Isobutryate	C Sodium Cyanide, 5%
R Calcium Hypochlorite, 50%	NR Isophorone, 97%	R Sodium Hydroxide, 50%
NR Carbon Disulfide	C Isopropyl Alcohol	R Sodium Hydroxide, 50% @ 120°F
C Carbon Tetrachloride	C Isopropylamine	NR Sodium Hypochlorite, 5%
NR Carbitol Acetate	R Isotearic Acid	NR Sodium Hypochlorite, 8%
R Caustic Potash, 45%	R Jet Fuel (See ASTM Fuels)	R Sodium Sulfide, 25%
NR Cellulosolve Acetate	R Kerosene	NR Solvent 150
R Chlorinated Water, 1ppm	R Lacquer Solvents	R Stearic Acid, 20%
R Chlorinated Water, 10ppm	R Linseed Oil	NR Styrene
R Chlorinated Water, 100ppm	R Lubricating Oils	R Sulfuric Acid, 20%
NR Chromic Acid, 15%	R Magnesium Chloride Solution, 20%	NR Sulfuric Acid, 50%
NR Chromic Acid, 35%	R Magnesium Hydroxide Solution, 30%	NR Sulfuric Acid, 66%
R Copper Sulfate Solution, 20%	NR Malathion 50	NR Sulfuric Acid, 8% @ 120°F
NR Creosote	R Maleic Anhydride, 25% Slurry	NR Tetrahydrofuran
NR Cumene Hydroperoxide	NR 2-Mercaptoethanol	NR Tetrahydrofurfuryl Alcohol
R Cyclohexane	R Methanol	R Texanol
R Dibutyl Carbitol	C Methyl Acrylate	NR Toulene
R Diethylene Glycol	C Methyl Carbitol	R Transmission Fluid
NR Dimethyl Formamide	NR Methyl Cellulosolve Acetate	C 1, 1, 1 Trichloroethane
NR Epichlorohydrin	C Methyl Ethyl Ketone	C Triton X100
C Ethyl Acetate	C Methyl Methacrylate	R Urea, 10%
C Ethyl Acrylate	C Methyl n-Amyl Ketone	R Urea Ammonium Nitrate, 32%
R Ethyl Alcohol	NR Methylene Chloride	C Vinylidene Chloride
R 2-Ethyl Hexyl Acrylate	R Methyl Tert-Butyl Ether, 98%	R Vinyl Acetate
NR Ethylene Dichloride	R Mineral Spirits	C Xylene
R Ethylene Glycol	R Motor Oil 10W/40	R Zinc Chloride, 10%
C Ferric Chloride, 50%	R N-Butyl Acrylate	R Zinc Nitrate, 17%



PEOPLE • PRODUCTS • PERFORMANCE

www.pecora.com

Enviro-Safe Resource Recovery
Appendix U-04 - Waterstops and Stormceptor System Specifications



Waterstops



The Original EB Cap
Seal System for
Concrete Joints
Patent No. 5,375,386



WESTEC®

Barrier Technologies

Quality Products for Secondary Containment

Industrial applications mean special requirements for containment structure design and construction. The standard flexible PVC waterstop material may not be suitable for the harsh chemical environments. Westec Barrier Technologies and Greenstreak Group Inc., specialize in waterstop applications for these unique industrial environments. In addition to the traditional waterstop profiles, Westec offers several profiles specifically designed for industrial applications, particularly retrofit profiles for expanding and updating existing facilities.

Application Areas:

- Ethanol/Biodiesel
- Petrochemical Manufacturing
- Refineries
- Pulp and Paper Mills
- Land, Air and Seaports
- Fuel Storage / Tank Farm
- Pipeline
- Pharmaceutical Plants

Superior Service

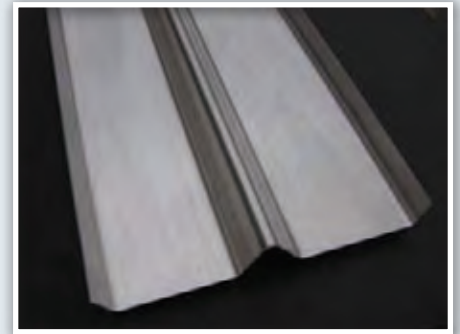
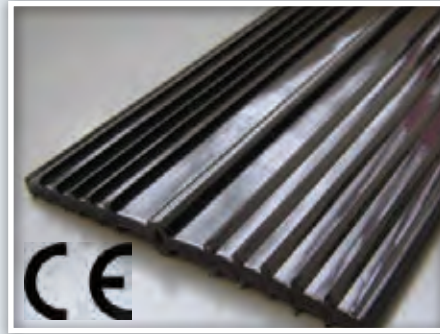
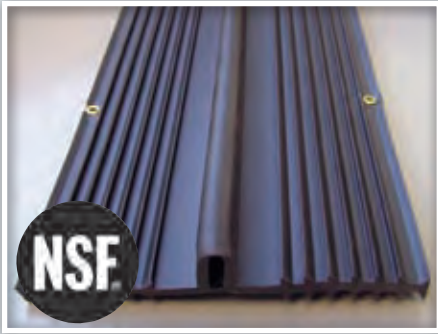
Greenstreak engineers are available for design review, chemical test data, material take-off and shop drawing assistance.



GREENSTREAK GROUP, INC.

Learn more at Chemstop.com • GreenstreakGroup.com • email: info@chemstop.com
Phone (800) 7-westec (793-7832) or (636) 225-9400

Material Choices for Optimum Performance



Envirostop® TPER

Thermoplastic Elastomeric Rubber is a fully vulcanized blend of EPDM and Polypropylene, also called a Thermo-plastic Vulcanizate or TPV. This gives the waterstop the flexibility and sealing properties of a rubber seal, but allows for heat welding and processing like a plastic. In addition to the favorable physical properties, TPER also has excellent chemical resistance to a wide range of chemicals. ASTM tests (D-471) show good resistance to oils, fuels, acids, bases and numerous solvents.



Envirostop® TPER

Westec Envirostop® TPER waterstop is certified to NSF/ANSI Standard 61 for drinking water applications. The standard establishes minimum health effects requirements for the chemical contaminants and impurities that may be indirectly imparted to drinking water. Although more commonly known for its use in chemical containment applications, TPER waterstop is now widely used for ozone contact structures in the water treatment industry. Envirostop® TPER waterstop can be specified for any drinking water containment structure where this certification is required for joint sealing materials.

PE Polyethylene

Polyethylene (VLDPE) is more plastic-like, having increased elastic modulus and hardness than TPER. PE also has greater resistance in some applications, and is particularly effective for hydrocarbons such as Benzene, Toluene and Xylene. After exposure (1-4 weeks) to such and subsequent drying, PE waterstop was found to return nearly to its original physical properties.



Westec PE 050 and 631 waterstop profiles are the first to receive the European Technical Approval for watersealing bands and have been approved for CE marking in the European Union, ETA-04/0044.



Grommets

TPER and PE, 6" and 9" waterstops are pre-punched in the outermost rib with brass grommets providing convenient points on 12" centers to wire the water stop to reinforcement. Properly securing the waterstop is critical to ensure good consolidation around the ribs and a liquid tight seal.

SS Stainless Steel

Stainless Steel is for high temperature environments that exceed 250°F or the most severe chemical applications. Westec offers 316 Low Carbon Stainless Steel waterstops. However many applications that have traditionally used SS waterstop can be served with TPER, including ozone contact structures.



Splicing and Fabrications

Greenstreak PVC welding equipment and techniques can be used for Westec TPER and PE waterstops, requiring only a higher temperature set at 410°F. Westec recommends factory-fabricated joints at all intersections and direction changes.

Factory fabrications offer a quick and economical alternative to cutting and splicing these critical junctions in the field. Contact a Greenstreak engineer to arrange for a material take-off and custom shop drawings. Fabrications are available for TPER, PE and Stainless Steel.

Physical Properties of Finished Waterstop

Property	Test Method	TPE-R	PE	*Stainless Steel
Tensile Strength	ASTM D 638	2000psi	2000psi	75000psi
Elongation	ASTM D 638	450%	800%	40%
100% Modulus	ASTM D 638	1000psi	4200psi	
Brittle Temperature	ASTM D 746	-70F		
Hardness	ASTM D 2240	85 Shore A	40 Shore D	95 max Rockwell B
Yield Strength				25000psi

*SS Properties taken from ASTM A240, Table 2

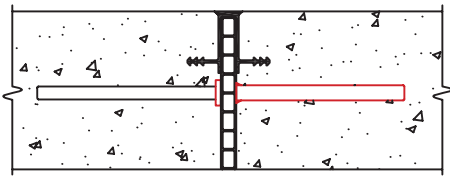
Chemical Resistance General Guidelines

Chemical Resistance recommendations are based on short term, secondary containment applications. Typical testing is performed according to ASTM D-471 "Standard Test Method for Rubber Property-Effect of Liquids" with 166 hour (7day) immersion. Performance data has been collected from a variety of sources including industry reference data, 3rd party and in house testing. Consult a Greenstreak Engineer for application specific chemical data or further testing.

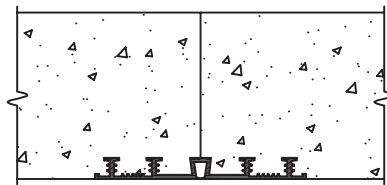
Chemical Exposure	Temp. (C/F)	TPER	PE	Stainless Steel 316	PVC
Rating Key: A = Excellent B = Good C = Conditional X = Do not use					
Ammonia, Anhydrous	23 C/73.4 F	A	B	A	A
Antifreeze	100 C/212 F	A	B	A	A
(50% Ethylene Glycol/50% Water)	125 C/257 F	B		A	
ASTM Oil #2	100 C/212 F	B		A	X
Benzene	23 C/73.4 F	B	B	A	X
Carbontetrachloride	23 C/73.4 F	X	X	B	X
Chlorine (Wet/Dry)	23 C/73.4 F	A/A	C/C	A/X	X/X
Creosote	23 C/73.4 F	A		A	X
Cyclohexane	23 C/73.4 F	X	X	A	X
Diesel Fuel	23 C/73.4 F	B	B	A	X
Ethanol	23 C/73.4 F	A	A	A	C
Hydraulic Fluid	23 C/73.4 F	A	B	A	X
Hydrogen Peroxide	23 C/73.4 F	A	B	B	A
Isopropyl Alcohols	23 C/73.4 F	A	A	A	A
Jet Fuel - JP8	23 C/73.4 F	B	B	A	C
Kerosene	23 C/73.4 F	B	C	A	C
Methyl Ethyl Ketone	23 C/73.4 F	B	B	A	X
Nitric Acid- 70%	23 C/73.4 F	B	X	A	X
Oil, Mineral	23 C/73.4 F	A	B	A	B/C
Sodium Hydroxide 80% Solution	23 C/73.4 F	A	C	X	A
Sodium Hypochlorite	23 C/73.4 F	A	B	A	A
Styrene	23 C/73.4 F	B	B	A	X
Sulfuric Acid 98%	23 C/73.4 F	B	C	X	X
Tetrahydrofuran	23 C/73.4 F	B	X	A	X
Toluene	23 C/73.4 F	B	B	A	X
Trichloroethylene	23 C/73.4 F	X	X	A	X
DI Water pH 11	23 C/73.4 F	A	B	A	A
Xylene	23 C/73.4 F	B	B	A	X

Selecting The Right Profile

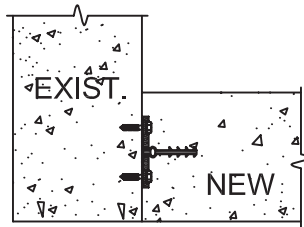
Envirostop® TPER and PE waterstops are available in a variety of sizes and profiles to meet the needs of various structures and applications.



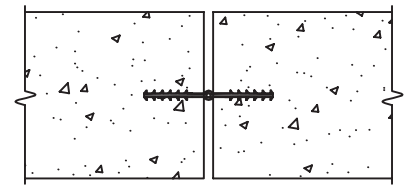
EB Cap - The patented Expansion Board Cap Seal system was design to serve as both a waterstop and joint sealant. This unique design allows for one step placement of your joint sealant and waterstop. No stripping, sawcutting or sealing is required. The result is an easy to install, maintenance free joint. TPER and PE profiles are available.



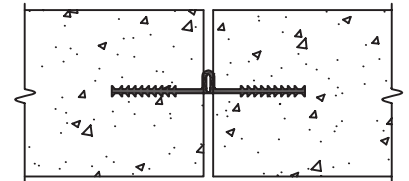
Base Seal is designed for slab on grade joints or backfilled walls and eliminates difficult split forming details. This profile is difficult to join to other waterstops so may not be suitable for containment areas with standard waterstop in other joints. This profile is available only as TPER.



Retrofit - Modern chemical plants and manufacturing facilities are constantly expanding, modifying existing areas for new technologies and products. Structural changes to the concrete areas create the potential for leaks between the new and existing concrete. Westec offers multiple profiles for a variety of situations and applications. TPER, PE and Stainless Steel retrofit profiles are available.



Ribbed with Centerbulb is a very versatile waterstop and a standard for the concrete industry. The centerbulb of the waterstop accommodates vertical and horizontal movement equal to the inside diameter of the centerbulb. This waterstop can be used in control joints and expansion joints, vertical and horizontal applications. TPER and PE profiles are available.



Ribbed with Tear Web is designed for larger joint movements. The thin web in the U shaped centerbulb will tear during joint movement and allow for additional expansion or differential settlement. Some fabrication types are limited. TPER and PE profiles are available.

What about Split Waterstops?

Split waterstops have a split flange that opens and is attached to one side of the bulkhead. Following the first pour, the bulkhead is removed and the flange is closed and secured to adjacent reinforcing steel prior to the succeeding pour. These waterstops typically cannot be joined to other waterstops and cannot accommodate directional changes or intersections. The applications for split waterstops are limited and not suitable for chemical containment. Westec Retrofit and EB Cap systems address many of the forming issues served by split waterstop.

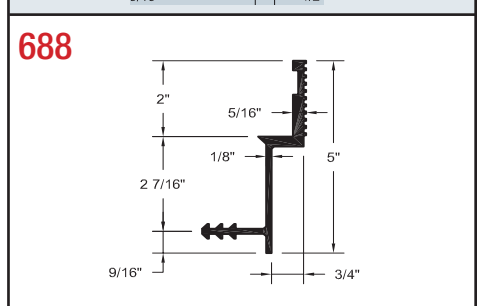
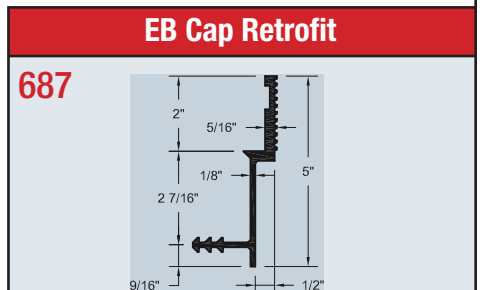
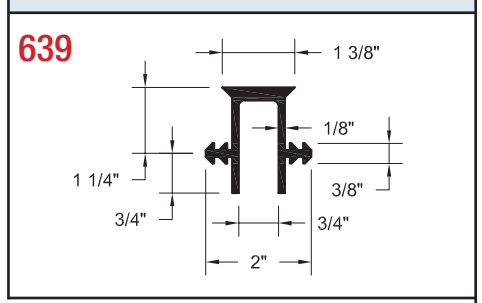
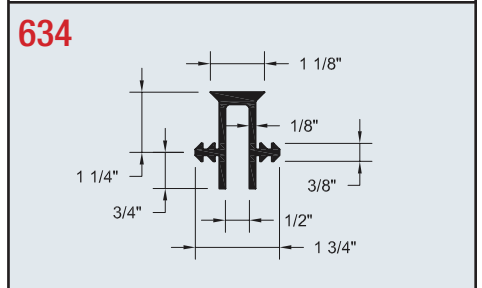
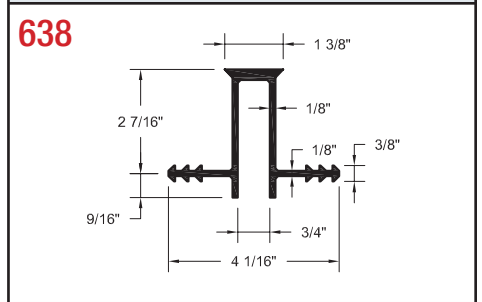
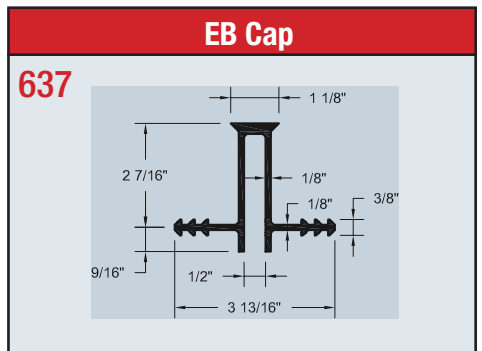
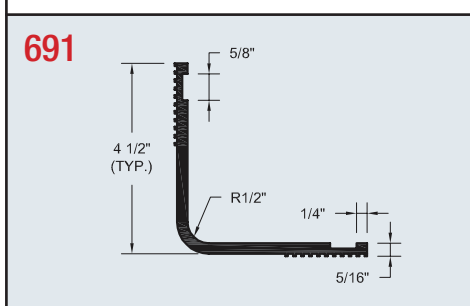
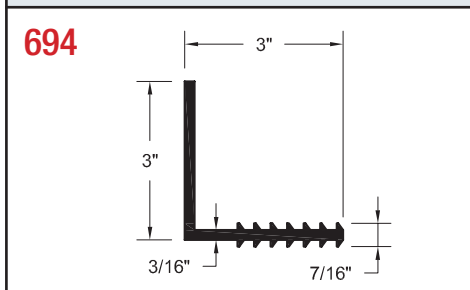
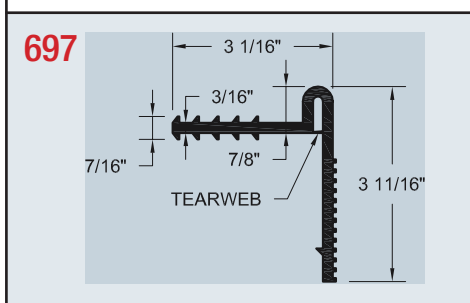
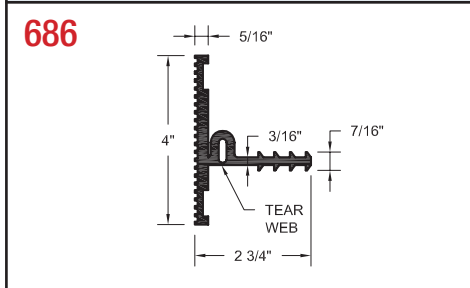
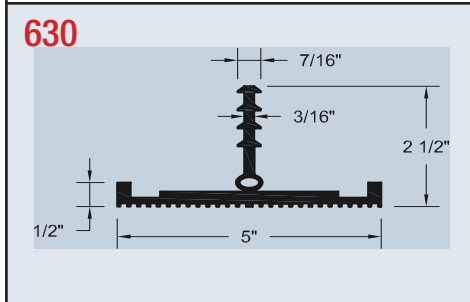
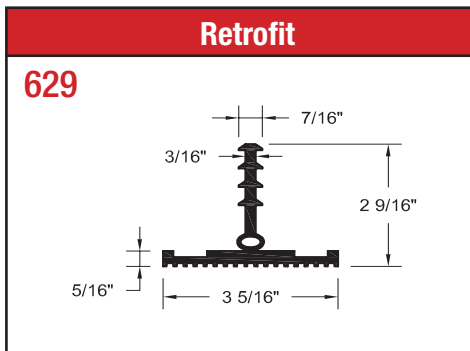
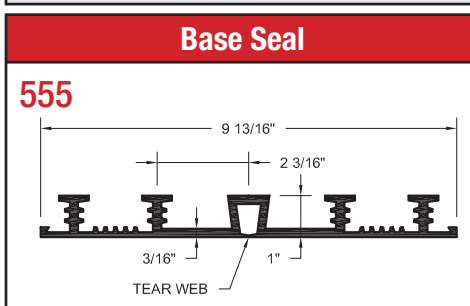
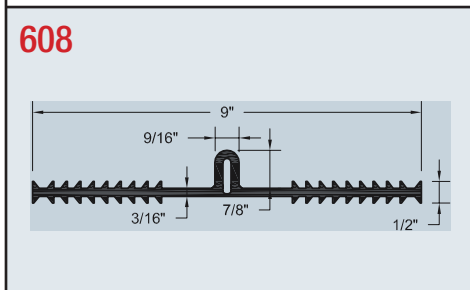
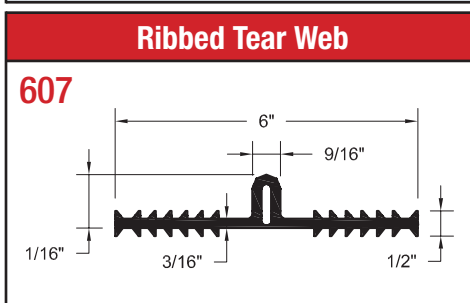
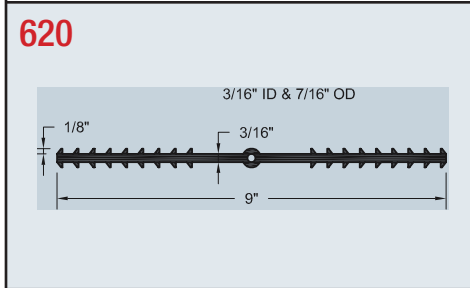
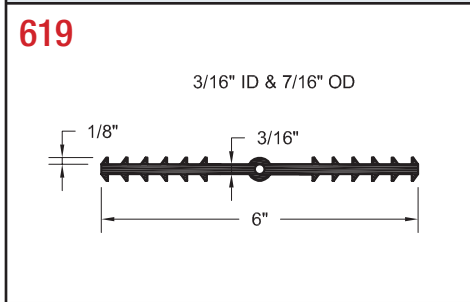
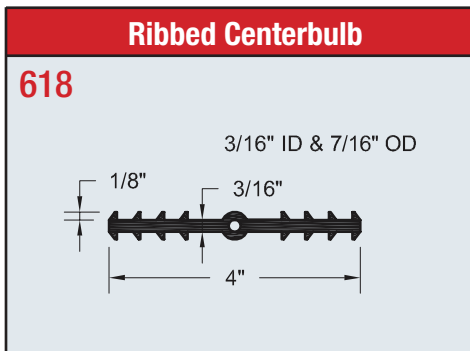
What about Dumbbell Waterstops?

Generally any situation suited for dumbbell waterstops can be better served with a ribbed profile. The multi-rib configuration disperses stress to the waterstop more effectively than a single dumbbell and creates a more circuitous path for liquid migration.

What about Hydrophilic (swelling) Waterstops?

Hydrophilic strip applied waterstops are easy to install and effective in a variety of applications. However they have some limitations and should be used with caution in secondary chemical containment installations. Designers should consider not only the chemical resistance of hydrophilic materials, but the degree and rate of swell of the waterstops during exposure to a media other than water. Embedded waterstops generally provide a more reliable seal against infrequent but sudden exposure to aggressive liquids.

Envirostop® TPER Profiles: Standard, Retrofit and EB Cap



Envirostop® TPER Products are certified by NSF to NSF/ANSI Standard 61

PE Profiles: Standard, Retrofit and EB Cap

<p>039</p> <p>3/16" ID & 7/16" OD</p> <p>1/8" 3/16" 4"</p>	<p>031</p> <p>7/16" 3/16" 2 9/16" 5/16" 3 5/16"</p>	<p>EB Cap Retrofit</p> <p>087</p> <p>2" 5/16" 1/8" 2 7/16" 9/16" 1/2"</p>
<p>050</p> <p>3/16" ID & 7/16" OD</p> <p>1/8" 3/16" 6"</p>	<p>041</p> <p>7/16" 3/16" 2 1/2" 1/2" 5"</p>	<p>088</p> <p>2" 5/16" 1/8" 2 7/16" 9/16" 3/4"</p>
<p>040</p> <p>1 1/16" 6" 9/16" 3/16" 1/2"</p>	<p>EB Cap</p>	
	<p>625</p> <p>1 1/8" 2 7/16" 1/8" 9/16" 1/2" 3 13/16" 3/8"</p>	<p>631</p> <p>1 3/8" 2 7/16" 1/8" 9/16" 1/2" 4 1/16" 3/8"</p>

Stainless Steel Profiles: Standard and Retrofit

<p>498</p> <p>1/2" 1" 3/4" 1 1/4" 4 1/8" 120°</p>	<p>499</p> <p>1/2" 1" 3/4" 2" 5 5/8" 120°</p>	<p>496</p> <p>1/2" 1" 3/4" 3 1/2" 8 5/8" 120°</p>
<p>493</p> <p>1/2" 1" 3/4" 2 9/16"</p>	<p>494</p> <p>1/2" 1" 3/4" 3 5/16"</p>	<p>495</p> <p>1/2" 1" 3/4" 6" 1 1/2"</p>



Retrofit Waterstop

Installing Retrofit

Westec has a variety of retrofit profiles for varying applications. The general principle is to secure a waterstop profile to existing concrete by mechanically fastening a profile into a bed of epoxy. This eliminates any requirement for saw cutting into the existing concrete. Stainless Steel batten bars, concrete fasteners and Novolac Gel Epoxy are supplied with each profile.

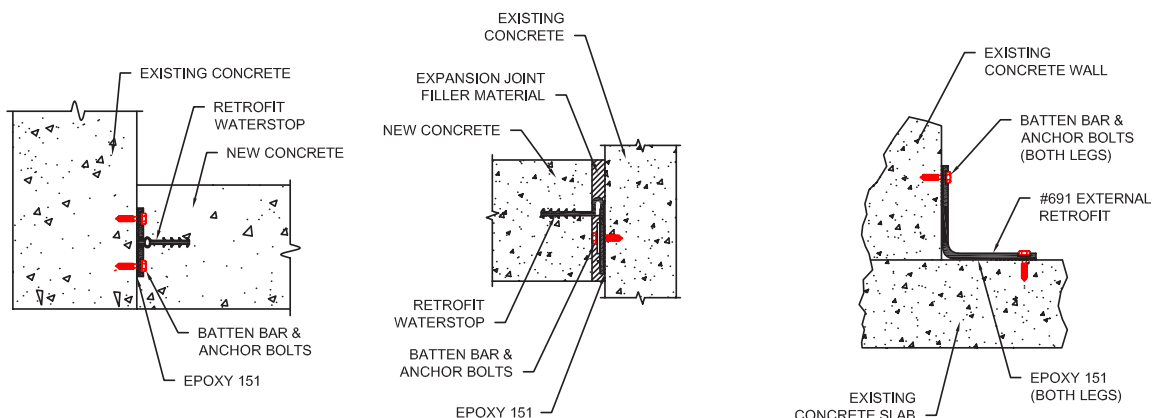
This 4-part system eliminates the saw cut requirement and creates a fluid-tight joint at the new to existing concrete junction.



Novolac Gel Epoxy

- 1. Epoxy Bed:** A bed of epoxy (about 1/8") is applied to the existing concrete. The gel epoxy serves as a gasket, ensuring a liquid tight seal between the profile and existing concrete. Concrete should be clean, dry and free of loose material.
- 2. Waterstop Profile:** Next the waterstop profile is pressed into the uncured bed of epoxy. Westec has numerous configurations of waterstop for a variety of applications (large movements, expansion joints, external joints, etc.) but all have the same basic components; waterstop profile, batten bars, anchor bolts and epoxy. TPER and PE profiles feature a series of small ridges for the epoxy bed and a larger web for embedment into the new concrete, similar to a standard ribbed waterstop.
- 3. Batten Bar:** A stainless steel batten bar (sometimes two) runs the length of the waterstop to maintain even pressure on the waterstop and distribute shear forces due to differential slab settlements. Batten Bars come in multiple sizes, depending on the profile, but all are predrilled for concrete fasteners every 6".
- 4. Concrete Fasteners:** Retrofit systems are supplied with stainless steel concrete anchors/screws. These bolt through the batten bar, profile and epoxy and secure everything to the existing concrete. While the epoxy does have some adhesive properties, batten bars and fasteners are required to maintain a fluid tight seal and support any concrete movement. Using the batten bar as a guide, drill anchor bolt holes through the concrete and waterstop in one pass before the epoxy cures.

Construction Details for Special Retrofit Designs





Patented Expansion Board Cap Seal System

The Patented Expansion Board Cap Seal System, designed by Westec is a complete concrete joint system with a simple installation. The EB Cap integrates the waterstop, forming system, expansion board, joint seal and load transfer units into a single structure. Just stake down the board, set your screed elevation and that's it. No stripping forms, no messy sealants, no problems.



EB Cap US Patent
no. 5,375,386

Installation Benefits:

- No split formwork
- No poured-in-place sealant required
- No remobilization for saw cutting or sealant
- "Checkerboard" concrete placement potentially avoided
- Convenient strip pouring possible with Speed Loads
- Lower labor and installation costs
- No joint finishing required

Polyboard

Westec HDPE Polyboard is designed to work with the EB Cap Seal and EB Cap Retrofit profiles and serves as both expansion material and a stay-in-place forming system. Polyboard is available in 3/4" widths for 6" and 8" paving applications or 4' x 8' sheets for thicker slabs. A 1/2" width Polyboard is available in 4' x 8' sheets.

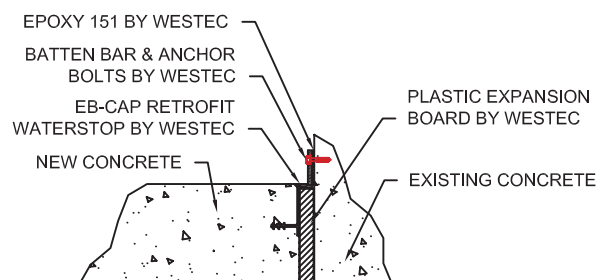
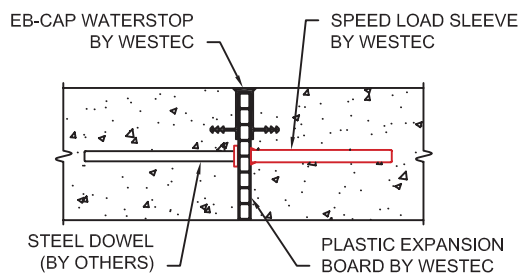


Speed Load US Patent no. D419,700

Speed Load

Speed Loads are an excellent addition to the EB Cap Seal and Polyboard. The Speed Loads align the steel load transfer dowels and are designed specifically for stay-in-place forming systems like the EB Cap System.

Construction Details for Special EB Cap Designs



Call a Greenstreak Group Engineering representative today to discuss your application.

WESTEC Barrier Technologies

3400 Tree Court Industrial Blvd. • St. Louis, MO 63122 USA

Phone: 800.793.7832 or 636.225.9400

www.chemstop.com • info@chemstop.com

WARRANTY: Except as expressly provided otherwise herein, GREENSTREAK has made no and disclaims all warranties, expressed or implied, including the warranties of merchantability or fitness for a particular purpose.

The exclusive remedies of the Buyer and the limited liability of GREENSTREAK from any and all losses or damages resulting from use of this product (including breach of contract, tort or other basis at law or in equity) shall be either the full refund of the purchase price to Buyer of this product, or the replacement of the quantity of product purchased by the Buyer – at the election of GREENSTREAK. In no event shall GREENSTREAK be liable for any incidental or punitive damages. The Buyer and all users of the product are deemed to have accepted the terms of this limited warranty and may not be varied in any way by any verbal or written agreement.



THE STORMCEPTOR® SYSTEM
Owner's Manual

Stormceptor® Owner's Manual Contents

- 1. Stormceptor Overview
- 2. Stormceptor System Operation
- 3. Identification of Stormceptor
- 4. Stormceptor Maintenance Guidelines
 - 4.1 Recommended Maintenance Procedure
 - 4.2 Disposal of Trapped Material from Stormceptor
- 5. Recommended Safety Procedures
- 6. Stormceptor Monitoring Protocol
 - 6.1 Pollutants to be Monitored
 - 6.2 Monitoring Methodology

	Page
List of Tables	
Table 1. Stormceptor Dimensions	4
Table 2. Stormceptor Capacities	5
Table 3. Sediment Depths Indicating Required Maintenance	5
Table 4. Monitoring Pollutants	9
List of Figures	
Figure 1. Single Inlet/Outlet "Disc" Insert In-Line Stormceptor	6
Figure 2. STC 450i Inlet Stormceptor	6

Rev. 3/2006

Thank You!

We want to thank you for selecting the Stormceptor System to use in your efforts in protecting the environment. Stormceptor is one of the most effective and maintenance friendly storm water quality treatment devices available. If you have any questions regarding the operation and maintenance of the Stormceptor System, please call your local Rinker Materials representative, or the Stormceptor Information Line at (800) 909-7763.

1. Stormceptor Overview

The Stormceptor System is a water quality device used to remove total suspended solids (TSS) and free oil (TPH) from storm water run-off. Stormceptor takes the place of a conventional manhole or inlet structure within a storm drain system. Rinker Materials manufactures the Stormceptor System with precast concrete components and a fiberglass disc insert. A fiberglass Stormceptor can also be provided for special applications.

The Stormceptor System product line consists of four patented designs:

- The In-Line (Conventional) Stormceptor, available in eight model sizes ranging from 900 to 7200 gallon storage capacity.
- An In-Line (Series) Stormceptor is available in three model sizes ranging from 11,000 to 16,000 gallon storage capacity.
- The Submerged Stormceptor, an in-line system designed for oil and sediment removal in partially submerged pipes, available in all models sizes ranging from 450i to 16,000 gallon storage capacity.
- The Inlet Stormceptor is a 450 gallon unit designed for small drainage areas.

Stormceptor removes free oil and suspended solids from storm water preventing hazardous spills and non-point source pollution from entering downstream lakes and rivers. Rinker Materials and its affiliates market and manufacture the Stormceptor System in the United States and Australia. Several thousand Stormceptor Systems have been installed in various locations throughout North America, Australia and the Caribbean since 1990.

In the Stormceptor, a fiberglass insert separates the treatment chamber from the by-pass chamber. The different insert designs are illustrated in Figures 1 and 2. These designs are easily distinguishable from the surface once the cover has been removed.

There are four versions of the in-line disc insert: single inlet/outlet, multiple inlet, in-line series insert and submerged designs. In the non-submerged "disc" design you will be able to see the inlet pipe, the drop pipe opening to the lower chamber, the weir, a 6" oil inspection/cleanout pipe, a large 24" riser pipe opening offset on the outlet side of the structure, and the outlet pipe from the unit. The weir will be around the 24" outlet pipe on the multiple inlet disc insert and on large diameter pipe applications.

The STC (series) Stormceptors consist of two chambers comprised of similar fiberglass inserts. These units also contain a 6" oil/inspection cleanout pipe and 24" outlet riser pipes.

The submerged disc insert has a higher weir and a second inlet drop pipe. In the inlet design you will be able to see an inlet drop pipe and an outlet riser pipe as well as a central oil inspection/cleanout port.

2. Stormceptor System Operation

The Stormceptor consists of a lower treatment chamber, which is always full of water, and a by-pass chamber. Storm water flows into the by-pass chamber via the storm sewer pipe or grated inlet (Inlet Stormceptor). Normal flows are diverted by a weir and drop pipe arrangement into a treatment chamber. Water flows up through the submerged outlet pipe based on the head at the inlet weir and is discharged back into the by-pass chamber downstream of the weir. The treated storm water continues down stream via the storm sewer system.

Oil and other liquids with a specific gravity less than water rise in the treatment chamber and become trapped under the fiberglass insert. Sediment will settle to the bottom of the chamber by gravity. The circular design of the treatment chamber is critical to prevent turbulent eddy currents and to promote settling.

During infrequent high flow conditions, storm water will by-pass the weir and be conveyed to the outlet sewer directly. The by-pass is an integral part of the Stormceptor since other oil/grit separators have been noted to scour during high flow conditions (Schueler and Shepp, 1993).

For further details please refer to *The Stormceptor System Technical Manual*.

The key benefits of Stormceptor include:

- Capable of removing more than 80% of the total sediment load when properly applied as a source control for small drainage areas
- Removes free oil from storm water during normal flow conditions
- Will not scour or resuspend trapped pollutants
- Ideal spill control device for commercial and industrial developments
- Vertical orientation facilitates maintenance and inspections
- Small foot print

3. Identification of Stormceptor

All In-Line (including Submerged) Stormceptors are provided with their own frame and cover. The cover has the name STORMCEPTOR clearly embossed on it to allow easy identification of the unit. The name Stormceptor is not embossed on the inlet models due to the variability of inlet grates used/approved across North America. You will be able to identify the Inlet Stormceptor by looking into the grate since the insert will be visible.

Once you have located a unit, there still may be a question as to the size of the unit. Comparing the measured depth from the water level (bottom of insert) to the bottom of the tank with Table 1 should help determine the size of the unit.

Model	Pipe Invert to Top of Base Slab
450i	60"
900	55"
1200	71"
1800	105"
2400	94"
3600	134"
4800	128"
6000	150"
7200	134"
11000s	128"***
13000s	150"***
16000s	134"***

* *Depths are approximate*

** *Depths per structure*

Starting in 1996, a metal serial number tag has been affixed to the fiberglass insert. If the unit does not have a serial number, or if there is any uncertainty regarding the size of the Stormceptor using depth measurements, please contact the Rinker Materials Stormceptor information line at (800) 909-7763 for assistance.

4. Stormceptor Maintenance Guidelines

The performance of all storm water quality measures that rely on sedimentation decreases as they fill with sediment (See Table 2 for Stormceptor capacities). An estimate of performance loss can be made from the relationship between performance and storage volume. Rinker Materials recommends maintenance be performed when the sediment volume in the unit reaches 15% of the total storage. This recommendation is based on several factors:

- Sediment removal is easier when removed on a regular basis (as sediment builds up it compacts and solidifies making maintenance more difficult).
- Development of a routine maintenance interval helps ensure a regular maintenance schedule is followed. Although the frequency of maintenance will depend on site conditions, it is estimated that annual maintenance will be required for most applications; annual maintenance is a routine occurrence which is easy to plan for and remember.
- A minimal performance degradation due to sediment build-up can occur.

In the event of any hazardous material spill, Rinker Materials recommends maintenance be performed immediately. Maintenance should be performed by a licensed liquid waste hauler. You should also notify the appropriate regulatory agencies as required.

Model	Sediment Capacity ft³ (L)	Oil Capacity US gal (L)	Total Holding Capacity US gal (L)
450i	45 (1276)	86 (326)	470 (1779)
900	75 (2135)	251 (950)	952 (3604)
1200	113 (3202)	251 (950)	1234 (4671)
1800	193 (5470)	251 (950)	1833 (6939)
2400	155 (4387)	840 (3180)	2462 (9320)
3600	323 (9134)	840 (3180)	3715 (14063)
4800	465 (13158)	909 (3441)	5059 (19150)
6000	609 (17235)	909 (3441)	6136 (23227)
7200	726 (20551)	1059 (4009)	7420 (28088)
11000s	942 (26687)	2797 (10588)*	11194 (42374)
13000s	1230 (34841)	2797 (10588)*	13348 (50528)
16000s	1470 (41632)	3055 (11564)*	15918 (60256)

* Total both structures combined

4.1 **Recommended Maintenance Procedure**

For the “disc” design, oil is removed through the 6" inspection/cleanout pipe and sediment is removed through the 24" diameter outlet riser pipe. Alternatively, oil could be removed from the 24" opening if water is removed from the treatment chamber, lowering the oil level below the drop pipes.

The depth of sediment can be measured from the surface of the Stormceptor with a dipstick tube equipped with a ball valve (Sludge Judge®). It is recommended that maintenance be performed once the sediment depth exceeds the guideline values provided in Table 3 for the reasons noted in Section 4.0 Stormceptor Maintenance Guidelines.

Model	Sediment Depth*
450i	8" (200 mm)
900	8" (200 mm)
1200	10" (250 mm)
1800	15" (375 mm)
2400	12" (300 mm)
3600	17" (425 mm)
4800	15" (375 mm)
6000	18" (450 mm)
7200	15" (375 mm)
11000s	17" (425 mm)**
13000s	20" (500 mm)**
16000s	17" (425 mm)**

* Depths are approximate

** In each structure

No entry into the unit is required for routine maintenance of the Inlet Stormceptor or the smaller disc insert models of the In-Line Stormceptor. Entry to the level of the disc insert may be required for servicing the larger disc insert models. Any potential obstructions at the inlet can be observed from the surface. The fiberglass insert has been designed as a platform for authorized maintenance personnel in the event that an obstruction needs to be removed.

Typically, maintenance is performed by the Vacuum Service Industry, a well established sector of the service industry that cleans underground tanks, sewers, and catch-basins. Costs to clean a Stormceptor will vary based on the size of the unit and transportation distances. If you need assistance for cleaning a Stormceptor unit, contact your local Rinker Materials representative, or the Stormceptor Information Line at (800) 909-7763.

Figures 1 and 2 will help illustrate the access point for routine maintenance of Stormceptor.

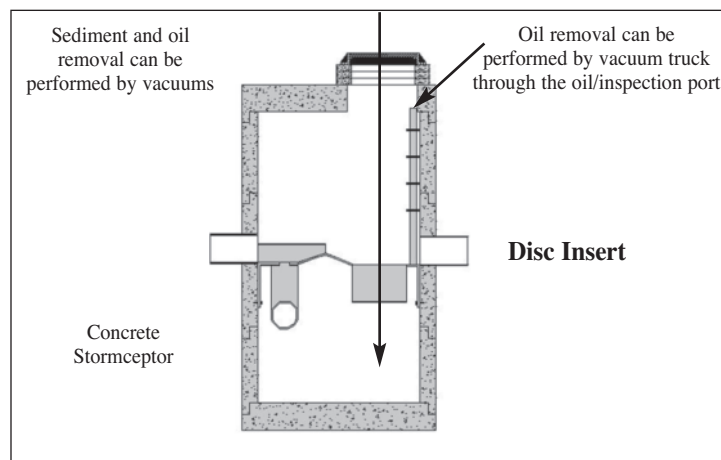


Figure 1 Single Inlet/Outlet “Disc” Insert In-Line Stormceptor

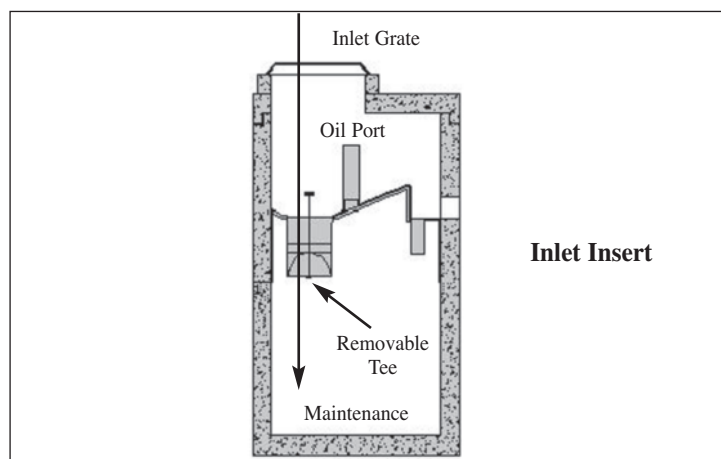


Figure 2 STC 450*i* Inlet Stormceptor

4.2 Disposal of Trapped Material from Stormceptor

The requirements for the disposal of material from Stormceptor are similar to that of any other Best Management Practices (BMP). Local guidelines should be consulted prior to disposal of the separator contents.

In most areas the sediment, once dewatered, can be disposed of in a sanitary landfill. It is not anticipated that the sediment would be classified as hazardous waste. In some areas, mixing the water with the sediment will create a slurry that can be discharged into a trunk sanitary sewer. In all disposal options, approval from the disposal facility operator/agency is required. Petroleum waste products collected in Stormceptor (oil/chemical/fuel spills) should be removed by a licensed waste management company.

What if I see an oil rainbow or sheen at the Stormceptor outlet?

With a steady influx of water with high concentrations of oil, a sheen may be noticeable at the Stormceptor outlet. This may occur because a rainbow or sheen can be seen at very small oil concentrations (< 10 ppm). Stormceptor will remove over 95% of all free oil and the appearance of a sheen at the outlet with high influent oil concentrations does not mean that the unit is not working to this level of removal. In addition, if the influent oil is emulsified, the Stormceptor will not be able to remove it. The Stormceptor is designed for free oil removal and not emulsified or dissolved oil conditions.

5.0 Recommended Safety Procedures

Rinker Materials strongly recommends that any person who enters a Stormceptor System follow all applicable OSHA regulations for entry in permit required confined spaces, as outlined in 29 CFR 1910.146. A permit required confined space consists of a space that:

- Is large enough and so configured that an employee can bodily enter and perform assigned work.
- Has limited or restricted means for entry and exit.
- Is not designed for continuous employee occupancy.
- Contains or has one of the following:
 - a potential to contain a hazardous atmosphere.
 - a material that has the potential for engulfing an entrant.
 - any other recognized serious safety hazard.

Storm water and wastewater systems fall under OSHA guidelines for a permit required confined space. Failure to follow OSHA guidelines for entry and work in a permit required confined space can result in serious injury or death. Please exercise extreme caution and follow appropriate safety procedures when entering any confined space.

Two square pick holes in the cover vent the Stormceptor, allow for removal of the cover, and provide sampling ports for air quality monitoring before the cover is removed. If you must enter the Stormceptor, please note that if the disc insert inside is wet, it can be slippery.

Recognizing that every work site is different, the responsibility for safety falls on the contractor. The contractor must ensure that all employees and subcontractors follow established safety procedures and OSHA regulations for working in and around permit required confined spaces as well as for any other safety hazard that may be present on that particular site.

6.0 Stormceptor Monitoring Protocol

If monitoring of your Stormceptor System is required, we recommend you follow the procedures outlined below by the Rinker Materials Stormceptor office. If you have any questions regarding monitoring please contact the Rinker Materials Stormceptor Product Manager at (800) 909-7763.

6.1 Pollutants to be Monitored

Table 4 indicates the pollutants to be monitored during the storm events and the minimum acceptable detection limit for each pollutant to be analyzed. Approved federal or state laboratory analysis methodologies are to be used for the analysis.

The optional metals indicated in Table 4 refer to the Resource Conservation Recovery Act and may be covered by a generic metals scan. Bacteria monitoring will not be required unless explicitly requested elsewhere.

Two sediment samples are to be extracted from the monitored Stormceptor at the end of the study and analyzed for the particle size distribution and water content. A minimum of 8 U.S. sieve sizes should be used to determine the particle size distribution. Sieves that are used must include, but are not limited to 35, 60, 100, 140, 200, 270 and 400. Three clay particle sizes must be analyzed to denote particle sizes between 5 and 25 μm . The particle size distributions should be plotted on a standard grain size distribution graph.

Table 4. Monitoring Pollutants	
Pollutant	Minimum Detection Limit (MDL)
Total Suspended Solids (TSS)	5 mg/l
Total Phosphorus (P)	0.02 mg/l
Total Kjeldahl Nitrogen (TKN)	0.1 mg/l
Copper (Cu)	0.001 mg/l
Cadmium (Cd)	0.005 mg/l
Lead (Pb)	0.05 mg/l
Zinc (Zn)	0.01 mg/l
Chromium (Cr)	0.01 mg/l
Total Petroleum Hydrocarbons (TPH)	1 mg/l
Conductivity	0.1 μ mho/cm
Fecal Coliform*	1/100 ml
Additional Metals (optional)	
Arsenic (As)	0.005 mg/l
Barium (Ba)	0.01 mg/l
Mercury (Hg)	0.0005 mg/l
Selenium (Se)	0.005 mg/l
Silver (Ag)	0.01 mg/l

* Only if explicitly requested in Terms of Reference

6.2 Monitoring Methodology

The following monitoring protocol should be followed to ensure reasonable monitoring results and interpretation:

- Monitoring protocols should conform to **EPA 40 CFR Part 136**.
- The **EPA guideline of 72 hours dry period** prior to a monitoring event should be used. This will ensure that there is sufficient pollutant build-up available for wash-off during the monitored event.
- Flow proportional monitoring must be conducted for the parameters indicated in Table 1. Samples should be analyzed separately for the first flush versus the remainder of the storm event. Monitoring need not extend longer than an 8-hour period after the start of the storm event (composite).
- **Sediment sampling** (measuring the sediment depth in the unit at the beginning and end of the monitoring period) must be conducted. The water content of the sediment layer must be analyzed to determine the dry volume of suspended solids. Sediment depth sampling will indicate the rate of pollution accumulation in the unit, provide confirmation that the unit is not scouring and confirm the flow proportional monitoring results. A mass balance using the sediment sampling should be calculated to validate the flow proportional sampling.

- **Grab sampling** (just taking samples at the inlet and outlet) is an unacceptable methodology for testing the performance of the Stormceptor during wet weather conditions unless it is flow weighted (flow weighted composite sample from numerous grab samples) over the entire storm.
- The oil containment area underneath the insert should be inspected via the vent pipe for dry weather spills capture once a month during the monitoring period since the flow rate of a dry weather spill may not trigger the automated samplers.
- A tipping bucket rain gauge should be installed on-site to record the distribution of storm intensities and rainfall volume during the monitored events.
- Results that are within the laboratory error (both inlet and outlet) or are representative of relatively clean water should be discarded. Typical concentrations of pollutants in storm water are:

TSS	100 mg/L
Total P	0.33 mg/L
TKN	1.50 mg/L
Total Cu	34 μ g/L
Total Pb	144 μ g/L
Total Zn	160 μ g/L

A threshold first flush/composite TSS value of 50 mg/L at the inlet to the Stormceptor should be used as the lower limit of an acceptable storm for reporting event efficiency. Monitoring results where the influent TSS concentration is less than 50 mg/L should only be used in mass load removal calculations over the entire monitoring period with other storms where the influent concentration is greater than 50 mg/L. The results should not be analyzed if the influent TSS concentrations during all monitored storms are less than 50 mg/L. Storms where the influent TSS concentration is less than 10 mg/L should be discarded from all analyses.

- A threshold storm event volume equal to 1.5 times the storage volume of the Stormceptor being monitored should be used as the lower limit of an acceptable storm for monitoring.
- Sampling at the outlet of the Stormceptor should be conducted within the 24" outlet riser pipe to accurately define event performance.
- The personnel monitoring the Stormceptor should record incidental information in a log file. Information such as weather, site conditions, inspection and maintenance information, monitoring equipment failure, etc. provide valuable information that can explain anomalous results.
- Laboratory results of monitored samples should be analyzed within 10 days of being submitted to the lab.
- Weekly inspections of the sampling tubes, flow meter, rain gauge, and quality samplers should be conducted to ensure proper operation of the monitoring equipment. Debris and sediment that collects around the sampling intakes should be cleaned after each event.
- During the installation of automated quality samplers, care should be exercised to ensure that representative samples will be extracted (placement of intakes, ensuring that tubing is not constricted or crimped).
- Sampling should be conducted for a minimum of 6 storms. Ideally 15 storms should be sampled if the budget allows.

Call the Stormceptor Information Line
(800-909-7763) for more detailed information and test results.

TECHNICAL INFORMATION:

- Stormceptor CD ROM
- Stormceptor Technical Manual
- Stormceptor Installation Guide
- Stormceptor Brochure

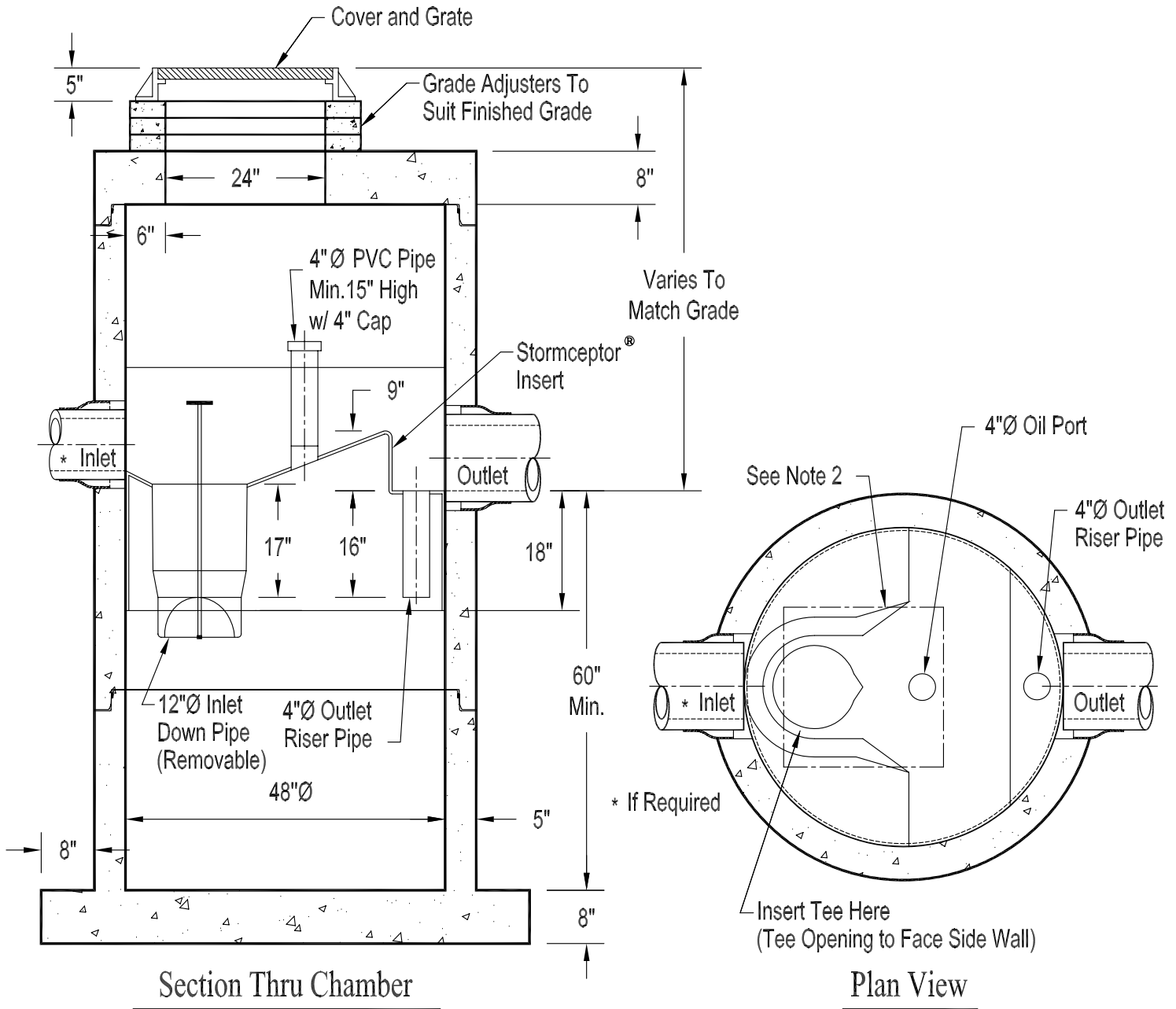
TEST RESULTS:

- STEP Report
(Independent Verification)
- University of Coventry Study
- ETV Canada (Federal Verification)
- National Water Research Institute Test
- Westwood, MA Field Monitoring Study
- Edmonton, Canada Field Monitoring Study
- Seattle Field Monitoring
- Como Park, MN Field Monitoring Study
- Florida Atlantic University Submerged Stormceptor Testing
- Oil Removal Field Validation
- Sludge Analyses and Particle Size Analyses



6560 Langfield Rd., Bldg. 3
Houston, TX 77092
Phone: 832-590-5300
Fax: 832-590-5399
Toll Free: 800-909-7763
www.rinkerstormceptor.com
©2006 Rinker Materials Corp.

**STC 450i Precast Concrete Stormceptor®
(450 U.S. Gallon Capacity)**



Notes:

1. The Use Of Flexible Connection is Recommended at The Inlet and Outlet Where Applicable.
2. The Cover Should be Positioned Over The Inlet Drop Pipe and The Oil Port.
3. The Stormceptor System is protected by one or more of the following U.S. Patents: #4985148, #5498331, #5725760, #5753115, #5849181, #6068765, #6371690.
4. Contact a Concrete Pipe Division representative for further details not listed on this drawing.

MAINTENANCE OF STRUCTURAL BEST MANAGEMENT PRACTICES

Structural Best Management Practices (BMP's) are utilized in both the public and private sectors to meet specific storm water quality standards established by regulatory agencies. Design Engineers and owners need to have a mutual understanding of the United States Environmental Protection Agency's (USEPA) National Pollutant Discharge Elimination System (NPDES), stormwater management program. Once only applicable to larger cities and projects, now most owners of storm sewer systems must have documented procedures in place for regular/routine maintenance of BMP's as part of their storm water management programs.

"How often do I have to clean these things?"

This is the question most municipalities and owners who are dealing with storm water quality and implementation of structural BMP's often ask. Generally, maintenance should be done once a year, but it is advisable to check the unit after the first 6 months to determine the rate of sediment and oil accumulation and after the first year. The inspection frequency in subsequent years is based on observations made during the first year, as maintenance will vary from site to site.

There are several questions that the Design Engineer should consider when selecting a structural BMP to meet the storm water quality discharge standards and requirements.

- * Has the BMP been conveniently located for future and long-term accessibility by maintenance personnel?
- * Does the BMP require maintenance considered non-routine by the owner/municipality?
- * Does the BMP require special parts or an off-line bypass?
- * Does the owner/municipality have equipment and resources to effectively maintain the BMP?
- * Does the BMP have documented maintenance procedures for review by owner/municipality?
- * What are the sediment and oil capacities of the BMP and how will this effect frequency of maintenance?
- * Is there an opportunity to reduce the frequency of costly maintenance of natural BMP structures (ponds, swales etc.) by placing an easier to maintain structural BMP upstream?

The owner/municipality also have several items that should be considered when selecting or approving a BMP.

- * Who is responsible for maintenance of the BMP?
- * Will the BMP be located on public or private property?
- * Can in-house personnel and equipment effectively maintain the BMP?
- * Will regular routine inspections and cleaning be scheduled into maintenance operations?
- * Is funding established for the long-term operation and maintenance of the BMP?
- * Does the owner/municipality have an effective mechanism in place to enforce the routine cleaning and maintenance of structural BMP' s installed as part of private/public developments?
- * Has a maintenance program been included and approved during the project permitting phase?
- * What are the long-term costs of maintaining the structural BMP in comparison to other products?

Municipal site plan agreements and by-laws should be strengthened to assist in regulating maintenance of BMP's. Further, development charges may be imposed to cover the cost for a dedicated enforcement officer to monitor and follow up on maintenance of BMP's on private sites.

One thing is clear, and that is BMP's must be maintained in order to operate properly. The performance of all storm water quality measures decrease as they fill with sediment. Since the maintenance frequency will be site specific, regular inspections and maintenance play a key role in the performance of BMP's.

STORMCEPTOR MAINTENANCE

INSPECTION OF STORMCEPTOR

Generally, maintenance is done once per year, but it is advisable to check the unit several times during the first year to determine the rate of sediment and oil accumulation. It is recommended that the unit be checked each 3 months for the first year. The inspection frequency in subsequent years is based on observations made during the first year. A maintenance inspection form should be completed annually to ensure timely maintenance and optimum performance of the Stormceptor.

The inspection is conducted by taking a sample from the unit using a clear plastic sampling tube. Commercial sampling tubes are available from water and wastewater equipment suppliers. The Stormceptor cover must be removed in order to take samples of the oil and sediment accumulation.

To check the level of sediment the sampling tube is lowered through the 24-inch discharge opening until it hits the bottom of the unit. Once the sampling tube is raised you can observe the level of sediment accumulation. Three samples should be taken and averaged. Maintenance should be performed once the sediment depth exceeds the guideline values provided in Table 1.

Table 1

Sediment Depths Indicating Required Maintenance

Model (USG)	Sediment Depth mm (in.)
900	150 (6)
1200	225 (7)
1800	300 (12)
2400	300 (12)
3600	375 (15)
4800	300 (12)
6000	450 (18)
7200	375 (15)

To check the level of oil in the Stormceptor the sampling tube is lowered through the 6-inch vent pipe into the upper portion of the separation tank. After removing

the sampler the water column can be examined. If more than 1 inch (approx. 15 USG) of oil (hydrocarbons) is observed then the oil should be removed.

CLEANING EQUIPMENT AND CONTRACTORS

Stormceptor units are normally cleaned using vacuum trucks. These trucks will suck the water and pollutants out of the unit. The most widely used truck is the Vactor vacuum truck, but other manufacturers and equipment are available. Commercial companies can be found in the Yellow Pages under "Tank Cleaning" or "Septic Cleaning".

COST

The cost of maintenance can vary widely, and depends on the number, and size of the Stormceptor unit to be cleaned. The typical cost is about \$600 per cleaning. The larger units may cost proportionally more. Economies of scale can be expected if several units are to be cleaned at once. A public bid to clean any size unit was received at \$400.00 per unit for a jurisdiction with over 20 units installed.

DISPOSAL OF WASTE

The procedure used to dispose of the waste materials will depend upon the requirements in each jurisdiction. In general, the oil and other floating hydrocarbons are skimmed (pumped) off the surface for recycling. The sediment is removed from the Stormceptor by the vacuum truck. Local requirements will dictate sludge disposal options; several options include:

- the sludge is discharged directly to the sewerage treatment plant
- the sludge is dewatered into a dry material. The dried sludge would be taken to a landfill or incinerator (where acceptable). The clear water would be discharged into the sanitary sewer

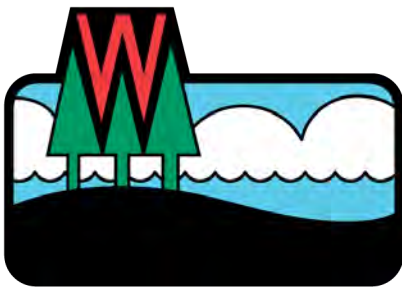
OTHER INFORMATION

The owner of the Stormceptor should call the local, town, city, county, etc. official that is responsible for administering the stormwater management, drainage or water quality program for that jurisdiction to find out the specific reporting requirements in their area. You should be able to find this official in the municipal Department of Public Works, Engineer's Office or the state Department of Environmental Protection.

APPENDIX V: FEDERAL AND STATE PERMITS, LICENSES AND APPROVALS

V-01	WDNR Solid Waste Processing Facility (License# 4587)
V-02	WDNR Hazardous Waste - SQG (US EPA ID No. WIR000142877)
V-03	DOT Number (2322446)
V-04	DOT Hazardous Material Registration
V-05	WDNR Solid Waste and /or Recyclable Transportation Service License (License #15810)
V-06	WDNR Hazardous Waste Transport Service License (License #15809)
V-07	WDNR Infectious Waste Transportation License (License #16903)
V-08	WDNR Storm Water Industrial No Exposure Certification (FIN No. 54508)
V-09	Village of Germantown Conditional Use Permit (CUP# 06-15)
V-10	Village of Germantown Certificate of Occupancy - Permit 053-12 (Issued August 14, 2012)
V-11	Village of Germantown Certificate of Occupancy - Permit 20GRM-B00040 (November 16, 2021)

**Enviro-Safe Resource Recovery Appendix
V-01 - WDNR Solid Waste Processing Facility
(License #4587)**



**STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
SOLID WASTE FACILITY OPERATION LICENSE**

License Number: 4587

SOLID WASTE FACILITY OPERATION LICENSE

Solid Waste Processing - General Not as Part of Landfill Operation

Licensee Name: ENVIRO-SAFE CONSULTING LLC

Effective Date: October 01, 2021

Expiration Date: September 30, 2022

Facility Information

FID: 267193300

ENVIRO-SAFE RESOURCE RECOVERY

W130N10500 Washington Dr

Germantown WI 53022

Washington County (67)

DNR Region: SE

This license authorizes the licensee to operate the solid waste facility described above during the term hereof except as modified by the Department. This license is subject to and conditioned upon compliance with the provisions of chapter 289, Wis. Stats., and chapters NR 500-590, Wis. Adm. Code, any plan approval and modifications thereof, and any special order and modifications thereof issued by the Department. Any exemptions from the requirements of chapters NR 500-590, Wis. Adm. Code, issued for the facility are listed above.

SOLID WASTE PROCESSING OPERATIONS PLAN

Enviro-Safe Resource Recovery
Germantown, WI

March 18, 2015

Stantec Project Number: 193703356





Stantec Consulting Services Inc.
1165 Scheuring Road
De Pere, Wisconsin 54115
Phone: 920-592-8400
Fax: 920-592-8444

SOLID WASTE PROCESSING OPERATIONS PLAN

ENVIRO-SAFE RESOURCE RECOVERY
W130 N10500 WASHINGTON DRIVE
GERMANTOWN, WI 53022

Prepared on:

March 18, 2015

Prepared For:

Jeffrey D. Vilione, President
Enviro-Safe Consulting, LLC
W130 N10500 Washington Drive
Germantown, WI 53022

Prepared By:

Stantec Consulting Services Inc.
12075 Corporate Parkway
Mequon, WI 53092

Project Number: 193703356

A handwritten signature in blue ink that reads "Richard Pager".

Richard Pager
Senior Waste Specialist

A handwritten signature in blue ink that reads "Michael B. Roznowski".

Michael B. Roznowski, CHMM, LEED Green Associate
Senior Associate/Industrial Team Leader

Table of Contents

1.0 GENERAL.....	1
1.1 General Facility Information	1
1.2 General Process Description	1
1.3 Initial Site Inspection.....	3
2.0 EXEMPTIONS	4
3.0 LOCATIONAL CRITERIA	5
4.0 PLAN OF OPERATION.....	7
5.0 ENGINEERING PLANS.....	15
6.0 MINIMUM OPERATIONAL REQUIREMENTS	16
7.0 CONSTRUCTION DOCUMENTATION	19
8.0 MONITORING.....	20
9.0 OWNER FINANCIAL RESPONSIBILITY.....	21

FIGURES

- Figure 1 Site Location and Local Topography
- Figure 2 Site Location and Immediate Vicinity (Showing Wetlands)
- Figure 3 Facility Layout
- Figure 4 Property Topography (prepared by MSI General Corporation, 12/20/2011)

APPENDICES

- Appendix A Chapter NR 502, Wisconsin Administrative Code
- Appendix B Enviro-Safe Solid Waste Closure Plan (August 14, 2012)
- Appendix C Solid Waste Facility Initial License Application

PROFESSIONAL ENGINEER CERTIFICATION

I, David Boyd, hereby certify that I am a licensed professional engineer in the State of Wisconsin in accordance with the requirements of chapter A-E 4, Wisconsin Adm. Code, that this document has been prepared in accordance with the Rules of Professional Conduct in the ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR500 to 538, Wis. Adm. Code.

NAME: David Boyd

Official Stamp

TITLE: Senior Engineer

COMPANY: Stantec Consulting Services Inc.

REGISTRATION NO: E25632

STATE: Wisconsin



1.0 GENERAL

The Wisconsin Department of Natural Resources (WDNR) regulates all solid waste storage, transportation, transfer, incinerators, air curtain destructors, processing, wood burning, composting and municipal solid waste combustors under Chapter NR 502, Wisconsin Administrative Code, a copy of which is provided in Appendix A.

Unless exempt under the NR 502 no person may operate or maintain a solid waste processing facility unless the person complies with the general requirements in the rule and has obtained a plan of operation approval and an operating license from the WDNR. The contents of this Solid Waste Processing Operation Plan (the Plan), is designed to provide the necessary information to the WDNR to obtain an operating license.

1.1 General Facility Information

Enviro-Safe Resource Recovery (Enviro-Safe) operates a non-hazardous solid waste transfer station (< 50 tons per day) in accordance with WDNR License Number 4564 at W130 N10500 Washington Drive, Germantown, Washington County, Wisconsin (the Facility, the Property). The Facility is located in the Germantown Industrial Park as shown in Figures 1 and 2. Surrounding land uses include other industrial operations located to the south, north and west of the Facility. A stormwater retention pond and undeveloped land is located directly east of Enviro-Safe. The nearest residential property is located about 2,000 feet to the east of the Property. Primary access to the Facility is along Donges Bay Road which defines the southern boundary of the industrial park. The Facility was constructed in 2012.

Enviro-Safe is proposing to replace the Transfer Station operation license with a Solid Waste Processing Operation license. The addition of solid waste processing would enable Enviro-Safe to increase the amount of materials being sent to resource recovery facilities. These processed wastes would be in addition to the wastes that are currently shipped to these facilities by the transfer operation.

The portion of the site that is proposed to be used for the processing operations is shown on Figure 3. Site topography is shown by Figure 4. All processing operations will be conducted inside the existing building, with the processed material placed into the current nonhazardous storage area while awaiting shipment. The goal of this application is to allow Enviro-Safe to beneficially reuse or recycle a greater percentage of the solid waste streams currently managed by the Facility, while improving efficiencies in transportation and reducing the amount of material that requires landfilling. The processing permit will also allow the company to continue their growth which is limited by the 50 ton per day cap associated with their current permit.

Enviro-Safe performs other activities at their Germantown facility which are not affected by this application. These activities include being a 10-day hazardous waste transport facility, a used oil storage facility, a universal waste handling facility, and a storage and bulking facility for flammable solvents.

1.2 General Process Description

Enviro-Safe manages a non-hazardous solid waste transfer station at the Facility. Solid waste from commercial and Industrial clients throughout the region are transported to the Facility, aggregated and then shipped to various licensed facilities for recycling, beneficial reuse, energy recovery, treatment or disposal. The end-use facilities that Enviro-Safe ships wastes have appropriate regulatory approvals for the wastes that they accept.

Each end-use facility has strict acceptance criteria for the waste streams they can legally manage. Presently Enviro-Safe receives some waste streams from clients that do not meet the acceptance criteria at specific recycling facilities. These waste streams are then required to

utilize alternate facilities to manage the waste, which may be further away or may include disposal instead of recycle, beneficial reuse or energy recovery of the waste. By blending or comingling wastes from different clients in a processing operation, Enviro-Safe can effectively manage the characteristics of particular solid waste streams to meet acceptance limits for certain recycling facilities.

Enviro-Safe is proposing to perform solid waste processing of liquid and solid non-hazardous waste streams. Processing would consist of accepting similar waste streams from various clients. Candidate waste streams will be evaluated for processing through bench testing to determine if the materials are compatible.

Prior to processing (i.e., combining/mixing/blending), wastes will be evaluated to ensure they can be safely combined without adverse reactions. Based on Enviro-Safe's knowledge of its customers waste streams, the identification of similar and potentially compatible wastes that could be combined will be accessed prior to shipment. Compatibility testing, for wastes that appear to be compatible, will be performed at the on-site Enviro-Safe Laboratory. Compatibility testing will be performed only on wastes that have been prescreened as likely candidates for recycling/beneficial reuse/energy recovery, based on basic chemistry characteristics. The laboratory testing will be completed primarily by combining very small volumes of wastes, and evaluating the corresponding (if any) reactions (e.g., visual; temperature changes; odors; etc.). If no reactions are identified, the wastes would then be combined on a larger scale.

The processing, which will consist of blending or comingling compatible waste materials, will allow a larger percentage of the solid waste handled by Enviro-Safe to comply with the acceptance limits for recycling or beneficial reuse facilities. Fewer waste streams will require landfilling. The processing will also aid in the efficient transport of these wastes for resource recovery and management. Wastes to be combined would be solids and liquids. The waste processing area will be located within the existing building, as shown on Figure 3.

A description of the proposed methods of solid waste processing includes the following:

- Liquids with liquids (Drums and Totes)
Solid waste products received in pails, drums or totes will be combined into a larger container by either pumping out the drums and totes, or directly pouring out drums using drum handling equipment. The final blended material will then be shipped in the larger filled container. Enviro-Safe will ensure the waste meets the disposal facilities acceptance criteria prior to shipment.
- Liquid with Liquids (Bulk Shipments)
Larger volumes of liquids, which are either in totes or drums, will be pumped directly into a bulk tanker. During this process, the bulk tanker will be located in the adjacent tank farm secondary containment area. The existing onsite pumping system located in building 124 can pump liquids to the tank farm area. A tanker would be staged in this area; bulked liquids would be pumped into the staged tanker through the piping system. The liquids would be directly loaded into the tanker. Enviro-Safe believes that the tanker loading would be completed in less than an hour. Enviro-Safe will ensure the waste meets the disposal facilities acceptance criteria prior to shipment.
- Liquids with solids
Small volumes could be managed directly via drum-to-drum transfer using drum handling equipment. Larger volumes would also use drum handling equipment to transfer the products into a larger tote. An opening in the top of the receiving tote or removal of the top of the receiving tote would be necessary to complete this action. The solid would be poured into the tote, while liquids would be added by either pumping or pouring. The material would remain in the tote for shipment. Enviro-Safe will ensure the waste meets the disposal facilities acceptance criteria prior to shipment.

- Solids with solids
Small volumes could be managed directly via drum-to-drum transfer using drum handling equipment. Larger volumes would also use drum handling equipment to transfer the products into a larger tote. The material would remain in the tote for shipment. Enviro-Safe will ensure the waste meets the disposal facilities acceptance criteria prior to shipment.

These operations will not require the installation of any specific processing equipment.

1.3 Initial Site inspection

WDNR solid waste representatives have been to the Facility multiple times. Thus, instead of an initial site inspection request, Enviro-Safe has provided instead a Solid Waste Facility Initial License Application, a signed copy is provided in Appendix C.

2.0 EXEMPTIONS

Enviro-Safe is not requesting any exemptions from the regulations.

3.0 LOCATIONAL CRITERIA

(3) LOCATIONAL CRITERIA FOR NONEXEMPT PROCESSING.

(a) Unless exempt under sub. (2), new or expanded processing facilities may not be located within any of the following areas, unless an exemption is granted under par. (b):

All of the Enviro-Safe processing operations, from receipt of the wastes, staging, processing, storage of materials and shipment of waste and recyclables will occur within the existing, well-maintained building. The building has substantial concrete floors throughout with sufficient secondary containment to capture and control any potential spills without release to the environment.

Regular inspections of the exterior areas around the processing building, along with the implementation of Best Management Practices will assure there is minimal potential for the processing portion of the Facility to cause environmental pollution, nuisance conditions or bird hazard to aircraft. In accordance with paragraph (b), the Facility is exempt from the locational criteria under paragraph (a). Regardless of the exemption, each of the paragraph (a) conditions was evaluated for applicability with comments provided as appropriate.

1. Within a floodplain.

Based upon the FEMA Flood Insurance Rate Map Number 55131C0379D dated November 20, 2013 for the Village of Germantown (Community Number 550472), Washington County, Wisconsin, the Facility is not located in a floodplain area.

2. Within 250 feet of any private water supply well, or within 1,200 feet of any public water supply well.

The industrial park and the Facility are serviced by Village of Germantown water utility. The nearest village water well is located at the north end of the industrial park near Mequon Road, which is well over 1,200 feet from the Facility. There are no private wells within 250 feet of the Facility.

3. Within 250 feet of any navigable lake, pond or flowage.

There is no navigable lake, pond or flowage near the Facility. A stormwater retention basin for the industrial park is located to the east of the Facility.

4. Within 250 feet of any navigable river or stream.

There is no navigable river or stream near the Facility.

5. Within 250 feet of land owned by a person other than the owner or operator of the Facility, unless the Facility is screened by natural objects, plantings, fences or other appropriate means so that it is not visible from the property boundary.

The Facility is located within an industrial park and was built in 2012. The building is well constructed and well maintained. All solid waste processing will be located in the interior of the Facility. The nearest residential property is over 2,000 feet from the building.

6. Within 1,000 feet of the nearest edge of the right-of-way of any state trunk highway, interstate or federal aid primary highway or the boundary of any public park or state natural area under ss. 23.27 (1) and 23.28 (1), Stats., unless the Facility is screened by natural objects, plantings, fences or other appropriate means so that it is not visible from the highway, park or state natural area.

There are no public parks or state natural areas in the area of the industrial park. There are no state trunk highways or interstates near the Facility. The solid waste processing operations will occur in a location which is greater than the set-back requirement.

- 7. Within 10,000 feet of any airport runway used or planned to be used by turbojet aircraft or within 5,000 feet of any airport runway used only by piston type aircraft or within other areas where a substantial bird hazard to aircraft would be created. This criterion is applicable only when the facility will be used for handling putrescible waste.**

The Facility will not be handling putrescible waste, nor is it within setback requirements for airports.

(b) Processing facilities located within a building are not subject to par. (a) 2. to 7. However, the department may require containerized and enclosed solid waste processing facilities to meet specified locational criteria in par. (a) if there is significant potential for the facility to cause environmental pollution as defined in s. 283.01 (6m), Stats., nuisance conditions or bird hazard to aircraft. The department may grant exemptions from par. (a) 2. to 7., only upon demonstration by the applicant of circumstances which warrant the exemption. Exemption from compliance with par. (a)1. may not be granted.

The Enviro-Safe processing operations will occur within an existing building, thus is not subject to par. (a) 2. to 7. Thus, there is minimal potential for the Facility to cause environmental pollution, nuisance conditions or bird hazard to aircraft.

4.0 PLAN OF OPERATION

(4) PLAN OF OPERATION – NONEXEMPT PROCESSING FACILITIES.

Unless exempt under sub. (2), no person may establish or construct a solid waste processing facility prior to obtaining approval in writing from the department of a plan of operation for the facility. Unless otherwise approved by the department in writing, the plan shall be submitted in accordance with s. NR 500.05, shall contain engineering plans specified under sub. (5), shall provide a design which complies with the operational requirements in sub. (6) and shall include a report containing, at a minimum, the following information:

(a) A legal description of the property and the facility boundaries.

Facility Name:	Enviro-Safe Resource Recovery
Facility Location:	W130 N10500 Washington Drive, Germantown, WI 53022
County:	Washington
Latitude/Longitude:	43.2079/-88.07069 / -089.6541
Facility Location	NW 1/4 of the SE ¼ of section 25, Town 9N, Range 20 E
Facility Telephone:	(262) 790-2500
Owner Name:	Enviro-Safe Resource Recovery
Owner Address:	W130 N10500 Washington Drive, Germantown, WI 53022
SIC Code or NAICS – Primary:	541620 Environmental Consulting Services

Figures 1 and 2 show the location of the Facility and topography of the surrounding area, along with wetlands in the area. The facility is located in an industrial park, with the ground surface sloping gently to the east and south. Water discharges into storm sewers in the streets in the industrial park. East of the industrial park is a drainage ditch which directs water to the south into the Menomonee River, approximately 2 miles south of the Facility.

(b) The present ownership of the proposed facility property.

The legal name of the company is Enviro-Safe Consulting, LLC. Enviro-Safe Resource Recovery is the marketing name for the Facility in Germantown. The Property itself is owned by JDV Real Estate Holdings, LLC.

(c) Land use within 1/4 mile of the proposed Facility. Particular note shall be made of parks, hospitals, nursing homes and areas of archaeological and historical significance.

No known parks, nursing homes, hospitals or areas of archaeological significance are located within ¼ mile of the Facility. Land use in the area surrounding the Facility is industrial, as the Facility is located in the Germantown Industrial Park. Industrial operations occur north, west and south of the Facility. Farm fields are located east of the Property, as shown on Figure 2.

(d) The proposed service area, including population and major industries.

The Facility services Clients primarily in the State of Wisconsin, varying from small to large generators of wastes. Since the client base is not residential, no specific population is serviced by the Facility. In addition, the client mix is varied since it is made up primarily of manufacturers. In general the received wastes are outdated, unused, off specification products as well as waste residues from production. Enviro-Safe does not anticipate that the processing operation alone will by itself increase the geographic service area; however long-term marketing efforts hopefully will as the business continues to grow.

(e) The consistency of Facility development with county solid waste plans and land use plans.

This Facility services a specific market by managing certain wastes from commercial and industrial operations. These types of wastes are not normally considered in the county wide solid waste plans.

The Village of Germantown has issued a conditional use permit for the Enviro-Safe Facility. Enviro-Safe prefers to first work with and gain approval of this operation from the WDNR. When WDNR approval is achieved, Enviro-Safe will be required to work with the village, such that the Conditional Use Permit can be revised to include the new processing operation.

Solid waste processing operations will not occur until approval is gained from both WDNR and the Village of Germantown.

(f) The predominant types of vegetation and wildlife within the proposed facility boundaries.

The Facility does have a lawn which surrounds the building, and a line of trees east of the site that separates it from adjacent farm fields. With the stormwater pond and farm fields east of the facility, the wildlife present is that which is common to the urban environment. Existing vegetation and wildlife will not be impacted since the proposed processing operation will be within the building.

(g) The persons responsible for facility construction and operation.

The Facility is managed by Jeffrey D. Vilione.

(h) A timetable for facility construction, shakedown and operation and an operating schedule for the facility. All facilities operated more than 4 hours per day shall be equipped with a toilet and wash basin or have those facilities available within a reasonable distance.

The building at the facility is already in existence, and no construction is necessary to implement the processing operation. Toilet and wash basin areas are already available. All equipment is presently on site needed to operate the processing facility.

The processing operations entail utilizing drum pumps or drum tipping equipment on forklift trucks to consolidate liquids and solids from smaller containers, such as pails and drums to larger containers such as totes or a bulk tanker. The processing permit will not require the purchase and installation of large capital equipment.

(i) A complete materials balance for the facility, specifying amounts and characteristics of solid waste received and amounts and characteristics of products and wastes generated by the Facility.

Current Waste Characterization and Acceptance

Enviro-Safe accepts both solid and liquid wastes at the facility. Prior to acceptance, all wastes are properly characterized and records maintained on a Profile Sheet. Enviro-Safe has an on-site laboratory to assist in waste characterization. The characterization determines the appropriate management method for each waste stream. Enviro-Safe does not accept any material that does not have an approved Profile. Wastes are not accepted at Enviro-Safe until an outlet for the waste material has been identified and the waste stream has been preapproved for disposal at an off-site location.

The waste shipments are received, via truck, in pails, drums, boxes, bags or totes. The shipment unloads into the building through one of three loading docks. When received, containers are inspected and evaluated to ensure the shipment matches the preapproved Profile. The individual containers of a shipment are then temporarily stored in appropriately designated locations at the Facility (refer to Figure 3) according to, waste type and compatibility.

Currently, after sufficient waste has been aggregated, the waste streams are transferred directly into trucks for shipment to the recycling/disposal facility in the same container they were received. Shipment of the waste is to appropriate recycling/disposal facilities, which are located either in or out of state. Facilities are chosen primarily based upon their ability and licensing to manage specific solid waste streams. Whenever possible, waste materials are managed by recycling/beneficial reuse/energy recovery, instead of solid waste disposal.

Types of Wastes Received

Enviro-Safe receives several types of solid wastes from a variety of companies, most of which are located in Wisconsin. Currently less than 50 tons of total waste is maintained on site at any one time. The amounts received are equal to the amount sent off-site. In 2014, 550 to 600 tons of solid waste was managed at the Facility.

Solid Waste Management Facilities

The solid wastes were currently transferred to the following waste management facilities:

Company	Lbs Received	Tons Received	Overall %
Covanta	907,746	453.9	99.6
US Ecology / EQ	3,600	1.8	.04

Solid Waste Processing

Enviro-Safe’s goal by obtaining the solid waste processing approval is increase the volume of waste sent off-site for recycling/beneficial reuse/energy recovery via mixing of individual waste streams. Waste streams currently managed at the Facility cannot be sent to certain vendors (e.g., Covanta) since they do not meet individual vendor acceptance criteria. Through processing, the blended materials will comply with acceptance criteria.

Prior to processing (i.e., combining/mixing/blending), wastes will be evaluated to ensure they can be safely combined without adverse reactions. Enviro-Safe’s knowledge of its customers permits the identification of similar and potentially compatible wastes that could be combined, prior to shipment. Testing for wastes that appear to be compatible will be performed at the on-site Enviro-Safe Laboratory. Compatibility testing will be performed only on wastes that have been prescreened as likely candidates for recycling/beneficial reuse/energy recovery, based on basic chemistry characteristics. The laboratory testing will be completed primarily by combining very small volumes of wastes, and evaluating the corresponding (if any) reactions (e.g., visual; temperature changes; odors; etc.). If no reactions are identified, the wastes would then be combined on a larger scale.

A description of the proposed methods for solid waste processing includes the following:

- Liquids with liquids (Drums and Totes)
Solid waste products received in pails, drums or totes will be combined into a larger container by either pumping out the drums and totes, or directly pouring out drums using drum handling equipment. The final blended material will then be shipped in the larger filled container. Enviro-Safe will ensure the waste meets the disposal facilities acceptance criteria prior to shipment.
- Liquid with Liquids (Bulk Shipments)
Larger volumes of liquids, which are either in totes or drums, will be pumped directly into a bulk tanker truck. During this process, the bulk tanker will be located in the adjacent tank farm secondary containment area. The existing onsite pumping system located in building 124 can pump liquids to the tank farm area. A tanker would be staged in this area, bulked liquids would be pumped into the staged tanker through the piping system. The liquids would be directly loaded into the tanker. Enviro-Safe believes that the tanker loading would be completed in less than an hour. Enviro-Safe will ensure the waste meets the disposal facilities acceptance criteria prior to shipment.
- Liquids with solids
Small volumes could be managed directly via drum-to-drum transfer using drum handling equipment. Larger volumes would also use drum handling equipment to transfer the products into a larger tote. An opening in the top of the receiving tote or removal of the

top of the receiving tote would be necessary to complete this action. The solid would be poured into the tote, while liquids would be added by either pumping or pouring. The material would remain in the tote for shipment. Enviro-Safe will ensure the waste meets the disposal facilities acceptance criteria prior to shipment.

- Solids with solids

Small volumes could be managed directly via drum-to-drum transfer using drum handling equipment. Larger volumes would also use drum handling equipment to transfer the products into a larger tote. The material would remain in the tote for shipment. Enviro-Safe will ensure the waste meets the disposal facilities acceptance criteria prior to shipment.

These operations will not require the installation of any specific processing equipment.

(j) The estimated quantities and characteristics of wastes containing free liquids resulting from facility operation and methods of their treatment or disposal. All wastewater resulting from the process shall be discharged into a sanitary sewer or other system approved by the department.

Wastes containing free liquids will be managed at the site, however all free liquid containing waste will be sent off site as a solid waste. All free liquid containing waste will be received in containers (pails; drums; totes; etc.), and will be shipped off site in drums, totes or tanker trucks. No waste from the processing operation will be discharged into the sanitary sewer. The only discharge into the sanitary sewer at the Facility is domestic wastewater. Accidentally spilled liquids on the processing area floor will be collected with absorbents and managed via disposal as a solid waste. The processing floor provides sufficient secondary containment for any potential spill.

(k) The names and locations of all solid waste disposal facilities at which solid waste from the processing plant will be disposed, and potential contractual arrangements and distribution plans for recovered solid wastes or products produced.

Non-hazardous solid wastes are shipped to the following facilities for management, depending upon the waste, its characteristics and the potential management options:

Covanta Energy
2320 S Harding Street
Indianapolis, IN 46221

US Ecology / EQ Detroit
1923 Fredrick Street
Detroit, MI 48211

Enviro-Safe strives to recycle as much of the solid wastes that they accept through beneficial reuse and recycling. It is expected that with the ability to process wastes, the percentage of the solid waste streams that can be directed to resource recovery can be increased. Solid wastes which cannot be accepted by the current resource recovery facilities can be processed with similar materials to meet the acceptance limits at the Facility. The processing will allow Enviro-Safe to reduce the quantity of material that is landfilled and more efficiently transport wastes to the recovery facilities.

As shown by the previous data, during 2014 over 99% of the wastes managed in the solid waste stream were shipped to the Covanta Facility, where the wastes are burned for energy recovery. Enviro-Safe strives to beneficially manage solid wastes, instead of landfilling them. Waste is sent for energy recovery whenever possible; however some waste streams are not acceptable for energy recovery due to their characteristics. The processing facility will be operated to blend compatible wastes to permit more waste streams to be beneficially reused.

(l) A proposed design providing enclosure for all installed processing equipment. Explosion-prone equipment such as primary shredders shall be placed in a separate room with explosion venting or explosion suppression equipment.

Processing equipment consists of containers (drums and totes), drum handling equipment, and pumps and hoses. All of this equipment currently exists at the Facility. The container utilized to blend the solid wastes will be the container the waste is shipped to the end-use facility. Explosion prone equipment will not be used in the processing operation. Figure 3 shows the location of the processing operation.

(m) A proposed design providing for shrouding and dust collection and removal equipment for the receiving area and all dry processing units such as shredders, screens, air classification devices, magnetic separators and similar equipment and all conveyor transfer points where dust is generated. Any air collected in this manner shall be directed through appropriate air pollution control equipment before being discharged.

No dust collection equipment will be planned with the processing operation. Materials will be comingled inside the building. During processing activities, doors for the Facility will remain closed. If any dust is generated during processing, it will be minimal and once settled will be swept and placed into a container for management. It is not anticipated that dust will be an issue. If a particular waste would be identified as extremely dry and thus have a great likelihood of causing a dust issue, it will not be processed.

(n) A discussion of any additional procedures for the control of dust, odors, fire, windblown materials and potential explosions and for the handling of the waste in the case of major processing facility breakdown. Dust within a facility shall be controlled so that operators are not exposed to undue health risk.

Dust – Potential processed wastes managed may include some powders. If processed, they will be placed into “wet” materials to control dusting conditions. Based on the operators experience dust generation is not anticipated to be a problem.

Odors – No unusual or significant odors will be produced from the processing operation. If during compatibility testing it is discovered that either the individual or mixed waste materials have a significant odor or the potential for off-site impacts exists, the waste will not be processed.

Fire – All waste materials are handled inside the building, which has fire protection present. Materials that are flammable will not be managed in the solid waste processing area. Wastes will be evaluated for compatibility in the onsite laboratory prior to combining any waste streams together.

Windblown Materials – No windblown materials are expected to be produced at the Facility.

Note the following:

- The processing operation occurs indoors.
- Transportation of wastes is in enclosed trailers.
- Doors will be closed at all times when processing is being performed

Potential Explosions – None of the processing equipment is designed to accumulate uncontrolled or unsafe conditions (e.g., pressure) that could lead to an explosion. Compatibility testing performed by the lab prior to comingling waste streams will assure no potential explosions.

Waste Handling During Major Processing Facility Breakdown – If a major event would occur that would prohibit the facility from operating, customers would be notified of the facility’s inability to accept and process waste. First option would be for the customer to store their waste, until the facility is becomes operational. A second option would be to direct haul the material from the customer to the resource recovery facility.

Worker Exposure – Wastes that would pose an exposure issue will not be processed. This will be determined during the compatibility assessment by the onsite laboratory.

(o) A proposed design providing for all buildings enclosing processing equipment to have a sloped concrete floor with floor drains connected to a sanitary sewer or other system approved by the department.

All processing of waste will be performed in containers, not on a tipping floor. In the event of a spill, the concrete floor is already constructed to ensure all materials are contained within the building. The floor is sloped to a sump area which would collect any possible spill. The floor is not connected to sanitary sewer. The floor area is sufficient to contain any potential spill without release to the environment. The spill containment capacity on the processing/staging area floor is over 2,000 gallons, which would easily handle any spill that could occur in the processing operation. The total drum storage capacity of the solid waste area is 120 55-gallon drums or a total of 6,600 gallons. The spill containment of a drum storage area should be ten percent of the total volume stored. Any spills/leaks would be handled by sweeping, absorbents if needed, and placement of residuals into containers for transport.

(p) A proposed design providing for all processing, receiving or storage areas not enclosed by a building to be graded at a minimum 1% slope and surfaced with a material which will adequately support heavy equipment, resist frost action, provide a wearing surface and prevent contamination of groundwater. Runoff from these areas shall be directed to a sanitary sewer or other system approved by the department.

Not applicable. Processing system will be enclosed indoors. The processing floor is a substantial concrete floor with no joints that has been epoxy coated. All spills are immediately cleaned up.

(q) A discussion of the quality and quantity of air discharge from plant operations and the need for any permits. For thermal processing facilities, the report shall include a proposed design to provide adequate temperature and residence time in the reaction chambers to assure complete processing and necessary air pollution control equipment to meet state air pollution control regulations.

No air permits will be needed for processing system. Dust generation is expected to be minimal, and no thermal processing is being proposed.

(r) A discussion of the types of vehicles and access routes used to transport solid waste to and from the facility, including the estimated increase in traffic, and traffic flow patterns within the facility.

Access routes to the facility vary but are well-established due to the existing business park. Trucks enter the facility from a paved driveway along the north side of the building and access the loading docks at the rear of the building. Shipments of wastes are primarily by enclosed trucks, which are unloaded at the loading docks. Trucks transporting materials off site are enclosed trailers, loaded at the loading docks. It is also possible that tanker trucks could be loaded by pumping liquids through the piping system going out to the tank farm.

It is anticipated that the processing operation will add very little volume to the trucking transportation in the area. Access to the business park is primarily along Donges Bay Road and Washington Drive. Increases in trucking would more likely come from growth in the business itself. At this time Enviro-Safe anticipates a modest growth of approximately 10 additional trucks per year.

Traffic within the building would allow unloading of trucks directly onto the tipping floor in the 124 room. At the time of unloading, the material to be processed would be placed in the Processing staging area. After processing, waste would be moved to the non-hazardous storage area in the 124 room. When the waste is shipped off site, it would be transported from the storage area to the loading dock, for shipment off site.

(s) A proposed design providing for access roads of all-weather construction and a maximum 10% grade. The intersection of the access road with an existing highway shall be designed to provide sufficient sight distance and provide for minimum interference with traffic on existing highways.

Access roads in the Facility are already paved and meet grade requirements. Donges Bay Road and Washington Drive are a designed to handle truck traffic, and as part of the industrial park provides appropriate design needs for truck traffic.

(t) A proposed design limiting access to the processing facility by means of fencing, natural barriers or other methods.

The processing operation is located indoors, controlling access both during operations and after hours (when the buildings will be locked).

(u) Information to document that the size and configuration of the facility grounds, building and equipment, including the facility layout, drainage structures, building design and major facility equipment, as specified to be shown in the engineering plans, are adequate for management of the proposed waste quantities and processes.

Figure 3 shows the layout of the Facility and operational locations in the building. The storage room has the ability to store 120 55-gallon drums of waste material (approximately 70 tons). The Waste staging processing area would have the ability to store at least 20 drums (7-10 tons) prior to processing.

(v) Provisions for protection of groundwater and surface water during facility construction and operation.

The Facility is already constructed. Both the storage and proposed processing operations are located inside a building with epoxy coated concrete floors.

(w) A discussion of possible operational hazards and necessary safety precautions.

The major hazards identified in the operation are:

- Vehicular traffic in paved yard
 - Signage; speed limitation; proper traffic flow
 - Notification to vendors of expectations
- Material moving equipment (e.g., forklifts moving waste products between the storage and operating area)
 - Signage; speed limitation; proper traffic flow
 - Visibility/corner mirrors
 - Employee training
- Reaction due to non-compatible wastes being combined
 - Bench scale compatibility testing
 - Monitoring of wastes during comingling
 - Appropriate personal protective equipment during comingling activities
 - Employee training
- Spills of materials during processing
 - Maintenance of concrete floors and floor coatings
 - Selection of proper equipment
 - Proper use of selected equipment
 - Spill management materials
 - Employee training

(x) Procedures for facility closure.

Facility closure, if necessary, will be relatively simple. All solids wastes in storage will require removal from the Facility. After removal of containers or product in containers, remaining containers will be disposed of, and all remaining residuals will be collected (e.g., sweeping, mopping) and managed as solid waste.

5.0 ENGINEERING PLANS

(5) ENGINEERING PLANS. The plan of operation shall include a set of engineering plans and maps which contain the following information unless an exemption is granted by the department in writing:

(a) An existing conditions map, which shows the entire facility and the area within 1/4 mile. The minimum scale shall be 1" = 400'. This map shall include the proposed facility boundary, property lines, easements and rights-of-way, buildings foundations, roads, utilities and other structures; topography, drainage swales, surface waters, wetlands, floodplains and similar drainage features; wooded areas; location of soil borings and test pits; features of historical and archaeological significance; and other features as appropriate.

- Figure 1 shows the location of the entire facility in relation to the City of Germantown,
- Figure 3 shows the facility layout.

(b) A facility plan which includes the proposed facility access roads and traffic patterns, buildings, scales, utility lines, drainage diversion, screening, means of access control, final topography, areas to be cleared of vegetation and other design features. The extent of coverage and scale shall be the same as that for the existing conditions map.

The facility plan for the proposed Facility is the same as the existing conditions.

(c) A proposed layout of each facility building including receiving, processing and loadout areas. The minimum scale shall be 1" = 20'. The building layout shall also show the location of all major facility equipment, including material handling equipment, air handling and air pollution control equipment, floor drains and process sewers and other pertinent design features.

The existing facility, along with the layout of all major equipment, is shown in the previously described Figures.

(d) At least one cross section drawn through the receiving area, each process line and the loadout area indicating existing topography, limits of excavation, proposed final grade and other pertinent design features. More cross sections may be necessary depending on the complexity of the facility design.

Since this is an existing facility and the proposed processing operations will not alter current layout, no cross sections are provided.

6.0 MINIMUM OPERATIONAL REQUIREMENTS

(6) MINIMUM OPERATIONAL REQUIREMENTS. No person may operate or maintain a solid waste processing facility except in conformance with any approved plan of operation and the following minimum requirements:

(a) A sign, acceptable to the department, shall be posted at the entrance to the facility which indicates the name, license number, the hours of operation, a list of all prohibited wastes, the penalty for unauthorized use, all necessary safety precautions and other pertinent information.

Enviro-Safe agrees to install such a sign if deemed required by the Department.

(b) Access to the processing facility shall be limited to those times that an attendant is on duty.

The building will be locked when unattended. Thus, all access to the solid waste and processing will be restricted.

(c) A processing facility shall be operated under the close supervision of responsible individuals who are thoroughly familiar with the requirements and operational procedures of the plant.

The primary contact responsible for the solid waste processing is Jeff Villone. Kenneth Bronson will be the supervisor of day to day operations. Both individuals are thoroughly familiar with the requirements and operational procedures of the facility.

(d) Unloading of solid waste shall take place only in approved, designated areas. All solid waste, with the exception of that in the process line, shall be stored in conformance with s. NR 502.05.

All wastes are unloaded via loading dock on the east side of the building, as shown on Figure 3. Storage of wastes will be in pails, drums or totes. Only wastes in durable non leaking containers will be accepted. Used oil and universal waste are stored in separate areas in the 124 Room. Storage of flammable materials is located in separate rooms in the facility with separate access.

NR 502.05(6) No person may operate or maintain a noncontainerized storage facility except in conformance with an approved plan of operation and the following minimum operational requirements:

This does not apply since all waste will be stored/processed in containers.

(e) The operation shall be conducted in a manner to prevent public health hazards and nuisances, including keeping the processing facility and adjacent area clean and free from litter, and taking effective means to control flies, rodents and other insects or vermin.

This is described in the preceding section outlining compliance with applicable sections of NR 502.05. All operations will occur indoors.

(f) Waste containing free liquids, sludge or asbestos waste shall be excluded unless plans specifically addressing the handling of these materials have been submitted to the department and approved in writing. Solid waste which is flammable or explosive may not be accepted. Infectious waste may be accepted only in accordance with s. NR 526.12.

Wastes containing free liquids and sludge will be managed as outlined in section 4 (h) above. No asbestos waste will be processed at the Facility. Flammable or explosive waste will not be handled in the solid waste processing operation.

(g) Equipment shall be provided to control accidental fires and arrangements shall be made with the local fire protection agency to provide immediate services when needed.

During onsite laboratory analysis prior to processing, it will be confirmed that the processed material will not self-generate heat when mixed and stored indoors; thus the process operations is not considered to be a fire hazard.

The building has a fire suppression system to control accidental fires, and is serviced by the Germantown Fire Department. Enviro-Safe has communicated with the local fire inspector and state officials on minimum requirements for fire control. Currently a variety of appropriate hand-held fire extinguishers are planned to be placed throughout the Facility, but in particular adjacent the electrical components and machinery.

Fire protection and emergency medical services for the facility is provided by the Germantown Fire Department. They provide service 24 hours per day, 7 days a week.

(h) All operators shall be trained on the sources, quantities and characteristics of the wastes to be processed; process line start up procedures, routine monitoring and cleanup procedures; daily processing and equipment maintenance schedules; methods of controlling access, odors and windblown materials; methods of controlling fires and explosions, use of appropriate safety equipment; persons to contact concerning operational problems and emergencies. An operator training manual containing this and other pertinent operating information shall be prepared and maintained at the facility. Means of communication with emergency facilities shall be provided.

Personnel are trained in the management of waste materials in the Facility. Processing operations will add the step of evaluating the wastes for compatibility, as well as transferring wastes from container to container. All required monitoring, cleanup, equipment maintenance, access control, managing of odor and windblown materials, fire control, emergency management, operational problems, will continue as per the existing operation. A training manual will be prepared as part of facility operations, and standard practices will be developed.

(i) Open burning of solid waste may not be conducted.

No open burning will be conducted at the Facility.

(j) Materials resulting from composting or similar processes and offered for sale or public distribution shall be:

1. Stabilized to eliminate pathogenic organisms and to ensure that the materials do not reheat upon standing.

Not applicable. No composting will be done at the Facility.

2. Free of sharp particles which could cause injury to persons handling the compost.

Not applicable. No composting will be done at the Facility.

3. Free of toxins which could cause detrimental impacts to public health or the environment.

Not applicable. No composting will be done at the Facility.

(k) Dust generated by the unloading of solid waste and the operation of the processing facility shall be controlled in accordance with the state air management rules so as not to create nuisance conditions.

Enviro-Safe agrees to monitor operations to ensure no nuisance conditions are created, and create and maintain adequate controls as appropriate. All parking and access roads at the facility are paved.

(l) If required by the department, permanent records of facility performance shall be maintained and submitted to the department with the relicensing application or as specified in the plan approval. Records shall indicate types, sources and amounts of solid waste processed, minor plant modifications performed, process monitoring data, amounts and characterization testing of process outputs, and other data as required by the department when granting the license.

Records will be maintained as to the wastes received by generator, the volume, how processed, and the day shipped off site for management. Enviro-Safe agrees to maintain any additional records required by the Department.

(m) Arrangements shall be made with an approved solid waste disposal facility for use in the event that the processing facility is rendered inoperable or is not able to completely process the solid waste.

Wastes would be sent off for management at the facilities identified in Section 4 (k) above without processing. Agreements are already in place with each of these vendors.

(n) By-products or residues shall be disposed of in facilities approved to receive such waste or shall be handled by an alternative method approved by the department.

Approvals are issued by the management facilities for the waste streams shipped to them.

(o) All areas disturbed during facility construction or operation shall be graded to a maximum slope of 3 horizontal to 1 vertical, covered with 6 inches of topsoil and seeded or otherwise protected from soil erosion. All borrow areas shall be abandoned in accordance with Wisconsin department of transportation procedures.

Not applicable. There will be no disturbed areas or borrow areas as part of this project.

7.0 CONSTRUCTION DOCUMENTATION

(7) CONSTRUCTION DOCUMENTATION. The department may require that a registered professional engineer document facility construction and render an opinion whether the facility has been constructed in substantial conformance with the approved plan. When a documentation report is required, it shall be prepared in accordance with the approved plan of operation and s. NR 500.05. Operation of the facility may not commence until the construction documentation report is approved in writing by the department and a license is issued. The department may issue a license prior to facility construction or construction documentation.

Not applicable

8.0 MONITORING

(8) MONITORING. Specific monitoring requirements and testing procedures for new, expanded and existing processing facilities will be determined by the department based on a review of the potential for environmental pollution. The department may require the owner or operator of any processing facility or any person who permits the use of property for that purpose to conduct monitoring as follows:

(a) Air quality monitoring.

Air quality monitoring should not be necessary, unless significant nuisance dust or debris is generated as part of operations. Since the operations will be performed indoors with the doors closed, generation of nuisance dust is not anticipated.

(b) Product testing and waste characterization. The frequency of testing and parameters to be analyzed will be determined based on a review of the proposal and complexity of the product. The quality control program will correlate with the nature of the waste to be processed and final uses proposed for the material.

Individual wastes are characterized by the Generator prior to acceptance at Enviro-Safe. Prior to processing (i.e., combining/mixing), specific wastes will be evaluated to ensure they can be safely combined without adverse reactions. Compatibility testing will be performed at the on-site Enviro-Safe lab. Compatibility testing will be performed only on wastes that have been prescreened as likely candidates for recycling/beneficial reuse/energy recovery, based on basic chemistry characteristics. The laboratory testing will be completed primarily by combining very small volumes of wastes, and evaluating the corresponding (if any) reactions (e.g., visual; temperature changes; odors; etc.). If no reactions are identified, the wastes would then be combined on a larger scale. Post processing testing is not anticipated as being performed, since this information will be known from the compatibility testing. Enviro-Safe does have the onsite laboratory to fingerprint any wastes that may have concerns with meeting acceptance limits at the receiving facility.

(c) Groundwater and surface water monitoring. The frequency and type of monitoring and analysis will be determined based on a review of the project.

Groundwater monitoring will not be necessary as the processing activities will occur indoors on substantial concrete floors and the material to be processed does not contain or generate water.

(d) Periodic assessments of plant operation, process feasibility and marketability analyses of processed materials.

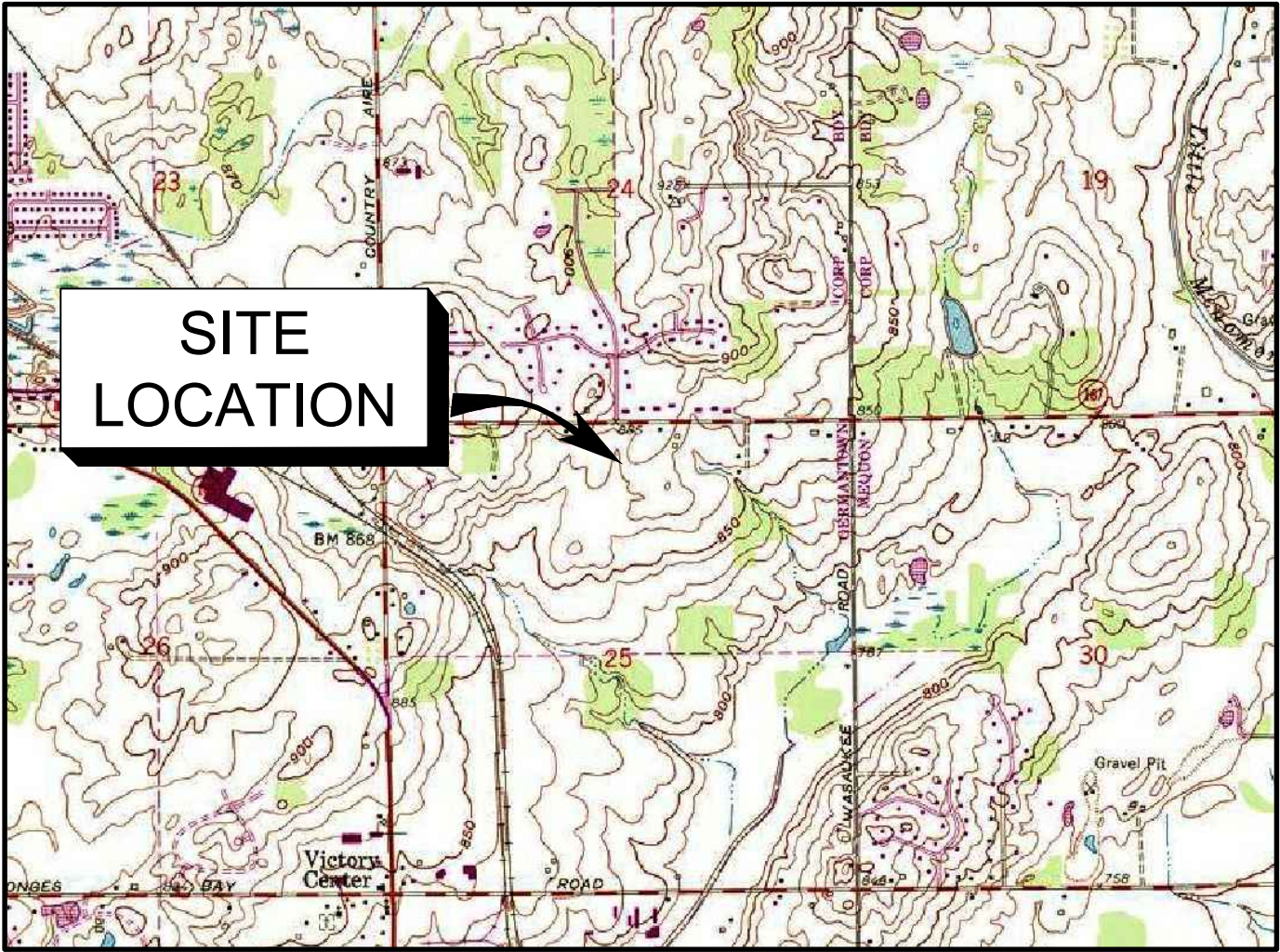
Enviro-Safe agrees to conduct any assessments of plant operations as required by the Department. The process feasibility and marketing analysis of processed materials will periodically be performed by Enviro-Safe as part of their standard business practice.

9.0 OWNER FINANCIAL RESPONSIBILITY

Currently, Enviro-Safe has provided the Village of Germantown an Irrevocable Standby Letter of Credit to address closure of the facility. See Appendix B for this documentation.

FIGURES

- FIGURE 1: SITE LOCATION AND LOCAL TOPOGRAPHY**
- FIGURE 2: SITE LOCATION AND IMMEDIATE VICINITY (SHOWING WETLANDS)**
- FIGURE 3: FACILITY LAYOUT**
- FIGURE 4: PROPERTY TOPOGRAPHY (prepared by MSI General corporation, 12/20/2011)**



**SITE
LOCATION**

SCALE IN FEET

1" = 2000'



CONTOUR INTERVAL 10 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929



QUADRANGLE LOCATION

BASE MAP SOURCE: USGS 7.5 MINUTE QUADRANGLE, MENOMONEE FALLS, WISCONSIN, 1994 (NATIONAL GEOGRAPHIC HOLDINGS, INC.)



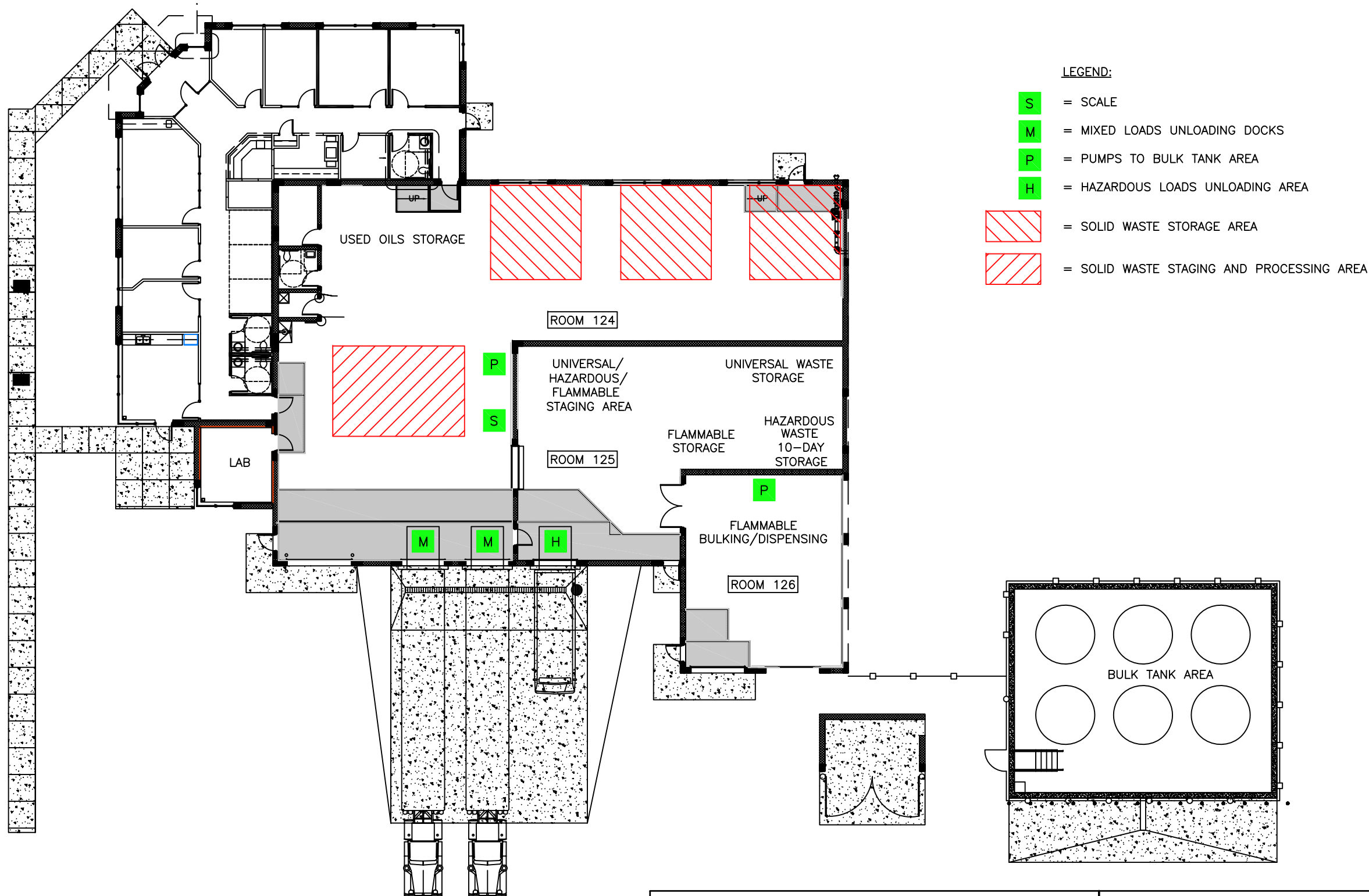
1165 Scheuring Road, De Pere, Wisconsin 54115
Phone: 920-592-8400 Fax: 920-592-84844

**SITE LOCATION
& LOCAL TOPOGRAPHY**

ENVIRO-SAFE RESOURCE RECOVERY
W130 N10500 WASHINGTON DRIVE
GERMANTOWN, WISCONSIN

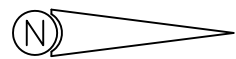
This drawing and all information contained thereon is the property of Stantec. Stantec will not be held liable for improper or incorrect usage. Professional seals and signatures do not apply to electronic drawing files. The user assumes all responsibility and risk for the accuracy and verification of all information contained in electronic files.

DATE: 12/03/14	DRAWN BY: JRB	PROJECT MANAGER: MBR	PROJECT NUMBER: 193703356	FIGURE 1
----------------	---------------	----------------------	---------------------------	----------



LEGEND:

- S = SCALE
- M = MIXED LOADS UNLOADING DOCKS
- P = PUMPS TO BULK TANK AREA
- H = HAZARDOUS LOADS UNLOADING AREA
- = SOLID WASTE STORAGE AREA
- = SOLID WASTE STAGING AND PROCESSING AREA



APPROXIMATE SCALE IN FEET



1165 Scheuring Road, De Pere, Wisconsin 54115
 Phone: 920-592-8400 Fax: 920-592-8444

This drawing and all information contained thereon is the property of Stantec. Stantec will not be held liable for improper or incorrect usage. Professional seals and signatures do not apply to electronic drawing files. The user assumes all responsibility and risk for the accuracy and verification of all information contained in electronic files.

SITE LAYOUT

ENVIRO-SAFE RESOURCE RECOVERY
 W130 N10500 WASHINGTON DRIVE
 GERMANTOWN, WISCONSIN

APPENDIX A

CHAPTER NR 502, WISCONSIN ADMINISTRATIVE CODE

Chapter NR 502

SOLID WASTE STORAGE, TRANSPORTATION, TRANSFER, INCINERATION, AIR CURTAIN DESTRUCTORS, PROCESSING, WOOD BURNING, COMPOSTING AND MUNICIPAL SOLID WASTE COMBUSTORS

NR 502.01	Purpose.	NR 502.08	Solid waste processing facilities.
NR 502.02	Applicability.	NR 502.09	Incinerators.
NR 502.03	Definitions.	NR 502.10	Air curtain destructors.
NR 502.04	General requirements.	NR 502.11	Woodburning facilities and open burning.
NR 502.05	Storage facilities.	NR 502.12	Yard, farm, food residuals and source-separated compostable material composting facilities.
NR 502.06	Collection and transportation services.	NR 502.13	Municipal solid waste combustors.
NR 502.07	Transfer facilities.		

Note: Corrections made under s. 13.93 (2m) (b) 7., Stats., Register, August, 1997, No. 500.

NR 502.01 Purpose. The purpose of this chapter is to help ensure that efficient, nuisance-free and environmentally accepted solid waste management procedures are practiced in this state and to outline the requirements regarding licensing and operational requirements for solid waste storage, transportation, transfer, incinerators, air curtain destructors, processing, woodburning, composting and municipal solid waste combustors. This chapter is adopted under s. 227.11, Stats., and ch. 289, Stats.

History: Cr. Register, January, 1988, No. 385, eff. 2-6-88; am. Register, May, 1992, No. 437, eff. 6-1-92; am. Register, June, 1996, No. 486, eff. 7-1-96.

NR 502.02 Applicability. (1) Except as otherwise provided, this chapter governs all solid waste storage, transportation, transfer, incinerators, air curtain destructors, processing, woodburning, composting and municipal solid waste combustors as defined in s. 289.01 (35), Stats., except hazardous waste facilities as defined in s. 291.01 (8), Stats., and regulated under chs. NR 660 to 679, and metallic mining operations as defined in s. 293.01 (5), Stats., and regulated under ch. NR 182.

(2) This chapter does not apply to the design, construction or operation of industrial wastewater facilities, sewerage systems and waterworks treating liquid wastes approved under s. 281.41, Stats., or permitted under ch. 283, Stats., nor to facilities used solely for the disposal of liquid municipal or industrial wastes which have been approved under s. 281.41, Stats., or permitted under ch. 283, Stats., except for facilities used for the disposal of solid waste.

(3) This chapter does not apply to the design, construction or operation of facilities used solely for the treatment of municipal wastewater sludge as defined and regulated under ch. NR 204.

History: Cr. Register, January, 1988, No. 385, eff. 2-6-88; am. (1), Register, May, 1992, No. 437, eff. 6-1-92; correction in (1) made under s. 13.93 (2m) (b) 7., Stats., Register, May, 1992, No. 437; am. (1), cr. (3), Register, June, 1996, No. 486, eff. 7-1-96; correction in (1) made under s. 13.92 (4) (b) 7., Stats., Register January 2011 No. 661.

NR 502.03 Definitions. The terms used in this chapter are defined in s. NR 500.03.

History: Cr. Register, January, 1988, No. 385, eff. 2-6-88.

NR 502.04 General requirements. All facilities regulated under this chapter shall comply with the following requirements:

(1) PERFORMANCE STANDARDS. (a) Unless an exemption is granted by the department under par. (b), no person may establish, construct, operate, maintain or permit the use of property for any facility regulated under this chapter, or any non-commercial soil borrow source designated to be used in the construction of a specific facility regulated under this chapter, within an area where there is reasonable probability that the facility will cause any of the following:

1. A detrimental effect on any surface water.
2. A significant adverse impact on wetlands as provided in ch. NR 103.
3. A detrimental effect on groundwater quality or will cause or exacerbate an attainment or exceedance of any preventative action limit or enforcement standard at a point of standards application as defined in ch. NR 140. For the purposes of design, the point of standards application is defined by s. NR 140.22 (1).
4. A take of an endangered or threatened species or other activity prohibited under s. 29.604, Stats.
5. The migration and concentration of explosive gases in any facility structures, excluding any leachate collection system or gas control or recovery system components or in the soils or air at or beyond the facility property boundary in excess of 25% of the lower explosive limit for such gases at any time.
6. The emission of any hazardous air contaminant exceeding the limitations for those substances contained in s. NR 445.04 or 445.05.

Note: Sections NR 445.04 and 445.05 were repealed effective 8-1-08.

(b) Exemptions from the requirements of par. (a) 4. to 6. may be granted by the department only upon demonstration by the applicant of circumstances which warrant the exemption. Exemptions from compliance with par. (a) 3. may be granted only according to the procedures in ch. NR 140. Exemptions from compliance with par. (a) 2. may be granted only in accordance with the standards in ch. NR 103. Exemptions from compliance with par. (a) 1. may not be granted.

(2) INITIAL SITE INSPECTION. (a) Any person intending to establish or expand a solid waste facility listed in subds. 1. to 8. which is subject to locational criteria under this chapter or a soil borrow source listed in subd. 9. shall submit a written request to the department for an initial site inspection for the purpose of evaluating compliance with the performance standards listed in sub. (1) and the applicable locational criteria contained in this chapter:

1. Noncontainerized storage facilities.
 2. Transfer facilities.
 3. Processing facilities.
 4. Incinerator facilities.
 5. Air curtain destructor facilities.
 6. Woodburning facilities.
 7. Composting facilities.
 8. Municipal solid waste combustor facilities.
 9. Non-commercial soil borrow source designated to be used in the construction of a specific solid waste facility listed in subds. 1. to 8.
- (b) The written request for initial site inspection shall comply with s. NR 500.05 (5) to (8) and shall contain a cover letter identifying all of the following:
1. The applicant and authorized contact.

2. Type of facility and operation proposed.
3. Property ownership.
4. Location by quarter — quarter section.
5. Present land use.
6. All potential conflicts with the performance standards listed in sub. (1).

(c) The written request for initial site inspection for solid waste facilities listed in par. (a) 1. to 8. shall contain all of the following additional information:

1. Identification of any known potential impacts to endangered and threatened species in accordance with s. 29.604 (4), Stats., and the federal endangered species act or historical, scientific or archeological areas in accordance with s. 44.40, Stats., including any prior studies or surveys conducted at the proposed site.

2. An enlarged 7.5 minute USGS map or other base map having a minimum scale of 1" = 500 feet. The map scale and contour intervals shall be revised as necessary to sufficiently show relief, surface waters, floodplains, existing land use conditions and all water supply wells and residences located within one mile of the property boundaries of the proposed facility.

Note: One copy of the information required by pars. (b) and (c) shall be submitted to the department's field office responsible for the area in which the facility is proposed to be located, and one copy shall be submitted to the department's solid waste management section in Madison.

(d) The department shall conduct an initial site inspection within 22 business days of receipt of a written request which complies with the requirements of this subsection. Depending on the season, follow up inspections may be necessary to identify any obscured features of the proposed property such as wetlands. Within 22 business days of completing the inspection, the department shall render a preliminary opinion regarding the suitability of the site location and identify any additional studies or information that is to be submitted to determine if a proposed solid waste facility or soil borrow source complies with the performance standards listed in sub. (1) and the applicable locational criteria contained in this chapter. A favorable opinion from the department under this paragraph does not guarantee that performance standards or locational criteria will be met.

(3) CLOSURE. Except as otherwise specified in this chapter or in a department issued approval, the owner or operator of any facility regulated under this chapter, or any person who permits the use of property for such purposes, shall at a minimum complete all of the following:

(a) Within 5 calendar days after ceasing to accept waste at the facility, remove all putrescible waste and containerize, properly utilize or dispose of all other waste.

(b) Within 60 days after ceasing to accept waste at the facility, remove all waste.

(c) Unless otherwise specified in a department issued approval, the following minimum requirements shall also be met by the owner or operator of a facility for which a plan of operation is required under this chapter:

1. At least 60 days prior to ceasing to accept waste at the facility for an extended period, the department shall be notified in writing and a sign shall be posted in a prominent location notifying users of the date on which the facility will cease to accept waste. In the case of ceasing to accept waste for an extended period due to unplanned and unforeseeable circumstances, such as fire or equipment failure, department notification and sign posting shall be completed as soon as practical. Alternatives to posting a sign may be implemented with department concurrence for facilities which are not open to the general public.

2. Within 60 days of ceasing to accept waste, the facility shall be closed in accordance with the approved plan of operation.

Note: Fees for plan review, license and other applicable items are charged in accordance with ch. NR 520. Licenses for facilities regulated under this chapter are transferrable.

(4) ENVIRONMENTAL REVIEW. The department may require an applicant for an initial license or for approval of expansion of an existing solid waste facility listed in the following pars. (a) to (f) to submit information with the plan of operation report as specified by the department to determine the need for an environmental impact report or environmental impact statement:

- (a) Noncontainerized storage facilities.
- (b) Transfer facilities.
- (c) Processing facilities.
- (d) Incinerator facilities.
- (e) Composting facilities.
- (f) Municipal solid waste combustor facilities.

(5) ENVIRONMENTAL MONITORING. The department may require the owner or operator of any facility for which a plan is required under this chapter, or any person who permits the use of property for such purposes, to conduct environmental monitoring in accordance with ch. NR 507 and plans approved by the department, including surface water, groundwater, unsaturated zone or gas monitoring. The department may require monitoring after closure of the facility.

(6) FINANCIAL RESPONSIBILITY. The department may require the owner or operator of any facility for which a plan is required under this chapter to provide proof of financial responsibility for the cost of closure of the facility. The department may require the owner or operator to submit closure cost estimates for removal, transport and ultimate disposal of the wastes. If proof of financial responsibility is required by the department, it shall be submitted prior to licensing of the facility, or as otherwise specified by the department.

History: Cr. Register, January, 1988, No. 385, eff. 2-6-88; r. and recr. Register, June, 1996, No. 486, eff. 7-1-96; CR 05-020: r. and recr. (1) (a) 4., (2) (c) 1. and 2. to be (2) (c) 1. and r. and recr., renun. (2) (c) 3. to be (2) (c) 2. Register January 2006 No. 601, eff. 2-1-06.

NR 502.05 Storage facilities. (1) GENERAL. (a) Unless exempt under sub. (2), (3) (b) or (d) to (i), owners and operators of solid waste storage facilities shall comply with the performance standards and closure requirements in s. NR 502.04 (1) and (3) (a) and (b).

(b) Unless exempt under sub. (2) or (3) (a) to (j), all new or expanded solid waste storage facilities shall comply with initial site inspection requirements in s. NR 502.04 (2) and demonstrate compliance with the applicable locational criteria listed in sub. (4).

(c) Unless exempt under sub. (2) or (3) (b) to (i), owners and operators of solid waste storage facilities shall store all waste in containers in compliance with the operational requirements for containerized storage facilities under sub. (5).

(d) Unless wastes are stored only in containers, or the facility is exempt under sub. (2) or (3) (b) to (i), owners and operators of solid waste storage facilities shall comply with operational requirements for noncontainerized storage facilities under sub. (6).

(e) Unless exempt under sub. (2) or (3), all new or expanded solid waste storage facilities shall obtain approval of a plan of operation as specified in sub. (8), and comply with requirements for engineering plans and construction documentation in subs. (9) and (10).

(f) Unless exempt under sub. (2) or (3) (a) to (j), owners and operators of solid waste storage facilities shall obtain an operating license from the department.

(g) No person may operate or maintain a storage facility for municipal solid waste combustor residue except in compliance with sub. (7).

(h) No person may operate or maintain a storage facility for infectious waste unless the person complies with s. NR 526.09.

(2) EXEMPTIONS FOR HOUSEHOLD WASTE. Containers for household wastes, serving a single household and located on the

property where the waste is generated are exempt from all requirements of this chapter.

(3) OTHER EXEMPTIONS. The following storage facilities are exempt from all requirements of this chapter, except as specified.

(a) Storage facilities utilizing containers such as lugger boxes or rolloffs for solid waste storage serving apartments, commercial establishments, business establishments and industries which are located on the premises served, provided the facility complies with the performance standards and closure requirements in s. NR 502.04 (1) and (3) (a) and (b) and the operational requirements listed under sub. (5).

(b) Pit silos used for the storage of by-products from fruit, vegetable or grain processing operations where the by-products are to be used for animal feed, provided the facility is in compliance with applicable portions of ch. NR 213.

(c) Facilities for high volume industrial waste or wood residue where the waste is stored at the point of generation for less than 72 hours prior to being transported for disposal or beneficial reuse and the facility complies with the general requirements listed under s. NR 502.04 and is operated and maintained in an environmentally sound and nuisance-free manner.

(d) On site storage facilities at a solid waste processing facility, solid waste incinerator facility, or municipal solid waste combustor facility, provided the facility is in compliance with applicable portions of s. NR 502.08, 502.09 or 502.13.

(e) Facilities that store only used oil which is managed in compliance with ch. NR 679.

(f) Infectious waste storage facilities which are exempt from licensing under s. NR 526.09.

(g) Materials recovery facilities as defined in s. NR 500.03 (140). A materials recovery facility which serves one or more responsible units shall either hold a valid self-certification or be exempted from self-certification under s. NR 544.16 (2).

(h) Contaminated soil storage facilities in compliance with ch. NR 718.

(i) Facilities for the storage of industrial byproducts which are managed in compliance with ch. NR 538.

(j) Noncontainerized storage facilities which meet all of the following criteria are exempt from all other requirements of this chapter:

1. The facility meets the performance standards and closure requirements specified in s. NR 502.04 (1) and (3) (a) and (b), and complies with the operational requirements for noncontainerized storage facilities listed under sub. (6).

2. The solid waste does not include putrescible waste such as garbage, municipal refuse or residue produced by the burning of municipal solid waste.

3. The waste is free of noxious odors and not readily transported by wind or water unless it is stored to prevent such transport.

4. The facility exists less than 9 months from the time of initial storage to the removal of all waste.

5. The volume of waste stored at the facility does not exceed 5,000 cubic yards at any time.

6. The combined total volume of waste stored at the facility over the allowable 9 month period does not exceed 10,000 cubic yards.

7. Waste storage does not occur within a floodplain, or within 100 feet of any public or private water supply well, navigable lake, pond, flowage, river or stream, or within 20 feet of the facility property boundary.

(k) Containerized storage facilities within a building that meet all of the following criteria are exempt from all other requirements of this chapter:

1. Comply with performance standards and closure requirements in s. NR 502.04 (1) and (3) (a) and (b).

2. New or expanded facilities shall comply with initial site inspection requirements in s. NR 502.04 (2) and demonstrate compliance with applicable locational criteria in sub. (4).

3. Obtain an operating license from the department.

4. Accept a maximum of 50 tons of waste per day and store a maximum of 1,000 tons of waste at any one time.

5. Comply with operational requirements for containerized storage facilities in sub. (5).

6. Do not accept municipal solid waste combustor residue.

7. Prior to or with the initial license application, and with each subsequent license application, submit a cover letter containing the following certification:

I, _____(authorized individual name), _____(position title), hereby certify that I am the owner or authorized representative of the solid waste containerized storage facility, _____(facility name), located at _____(location address); that I am aware of ss. NR 502.04 and 502.05, Wis. Adm. Code applicable to the facility; and that the facility is in compliance with the codes.

(signature of authorized individual) _____
(signature date)

8. If the certification required in subd. 7. is not submitted with a license renewal application prior to expiration of any license period, the facility shall pay compliance inspections fees in accordance with s. NR 520.04 (7) for up to 2 inspections completed by the department during the subsequent license period.

(4) LOCATIONAL CRITERIA FOR STORAGE FACILITIES. (a) Except as otherwise specified in this section, new or expanded solid waste storage facilities may not be located in any of the following areas, unless an exemption is granted under par. (b):

1. Within a floodplain.

2. Within 250 feet of any private water supply well, or within 1,200 feet of any public water supply well.

3. Within 250 feet of any navigable lake, pond or flowage.

4. Within 250 feet of any navigable river or stream.

5. Within 250 feet of land owned by a person other than the owner or operator of the facility, unless the facility is screened by natural objects, plantings, fences or other appropriate means so that it is not visible from the property boundary.

6. Within 1,000 feet of the nearest edge of the right-of-way of any state trunk highway, interstate or federal aid primary highway or the boundary of any public park or state natural area under ss. 23.27 (1) and 23.28 (1), Stats., unless the facility is screened by natural objects, plantings, fences or other appropriate means so that it is not visible from the highway, park or state natural area.

7. Within 10,000 feet of any airport runway used or planned to be used by turbojet aircraft or within 5,000 feet of any airport runway used only by piston type aircraft or within other areas where a substantial bird hazard to aircraft would be created. This criterion is applicable only when the facility will be used for handling putrescible waste.

(b) The locational criteria listed under par. (a) 2. to 7. do not apply to containerized waste storage or storage within an enclosed building. However, the department may require containerized and enclosed solid waste storage facilities to meet specified locational criteria in par. (a) if there is significant potential for the facility to cause environmental pollution as defined in s. 283.01 (6m), Stats., nuisance conditions or bird hazard to aircraft. The department may grant exemptions from the requirements of par. (a) 2. to 7. only upon demonstration by the applicant of circumstances which warrant the exemption. Exemptions from compliance with par. (a) 1. may not be granted.

(5) OPERATIONAL REQUIREMENTS FOR CONTAINERIZED STORAGE FACILITIES. No person may operate or maintain a containerized storage facility except in conformance with the following minimum operational requirements:

(a) Storage containers shall be durable, rust resistant, nonabsorbent, leak-proof, easy to clean and able to effectively contain the stored waste. If garbage or similar putrescible wastes are stored, the containers shall have close-fitting, fly-tight covers and be constructed of light-weight durable material.

(b) Covers and containers shall be maintained in good condition.

(c) Containers handling municipal solid waste shall be removed and emptied at least once per week, or more often if conditions warrant. Containers handling nonputrescible industrial waste shall be removed and emptied as necessary, but at least once every 90 days.

(d) All weather access shall be provided and maintained.

(e) Effective means shall be provided to control flies, rodents and other vectors.

(f) Objects too large for the containers shall be stored in a nuisance-free manner.

(g) Periodic clean-up and maintenance of the storage container and surrounding area shall be conducted to keep it aesthetically pleasing and nuisance-free. This maintenance shall be the responsibility of the property owner where the containers are located as well as the owner of the containers.

(h) Gates, fencing and an attendant or other appropriate access restrictions shall be provided, as specified by the department, to prevent nuisance conditions or if mechanical compaction equipment is part of the facility.

(i) Disposal of solid waste is not allowed at a storage facility.

(j) Solid waste may not be burned.

(k) The facility shall be operated and maintained in a sanitary, nuisance-free manner so as to protect the environment and the public health.

(L) Adequate storm water drainage shall be maintained on and around the facility.

(6) OPERATIONAL REQUIREMENTS FOR NONCONTAINERIZED STORAGE FACILITIES. No person may operate or maintain a non-containerized storage facility except in conformance with an approved plan of operation and the following minimum operational requirements:

(a) All weather access shall be provided and maintained.

(b) Effective measures shall be taken to control flies, rodents and other vectors.

(c) Periodic maintenance or clean-up of the facility shall be conducted to keep it aesthetically pleasing and nuisance-free.

(d) Gates, fencing and an attendant shall be provided as specified by the department.

(e) Solid waste shall be disposed of at a licensed facility approved by the department.

(f) Solid waste may not be burned.

(g) The facility shall be operated and maintained in a sanitary, nuisance-free manner so as to protect the environment and the public health.

(h) Adequate drainage shall be maintained on and around the facility.

(7) OPERATIONAL REQUIREMENTS FOR MUNICIPAL SOLID WASTE COMBUSTOR RESIDUE STORAGE FACILITIES. Except for on site storage at a municipal solid waste combustor approved under s. NR 502.13, no person may maintain or operate a storage facility for residue produced by burning municipal solid waste unless the person has obtained an operating license under sub. (1), and written approval of a plan of operation under sub. (8), for the facility. Residue storage areas shall be designed, operated and maintained in compliance with the applicable operational requirements specified under sub. (5) or (6) and the following:

(a) The residue shall be wetted at all times during storage to prevent dust emissions. Alternative methods of dust control shall be approved by the department prior to implementation. Provi-

sions shall be made to prevent the release of residue into the air in the residue handling areas.

(b) The storage area shall have an impervious surface on which the residue is stored and a collection system for any liquids coming into contact with the residue. All liquid that comes into contact with the residue shall be collected and treated at a wastewater treatment plant approved by the department.

(c) Access to the storage areas shall be restricted to authorized personnel only. Fencing or other means of access control acceptable to the department shall be maintained around the storage facility.

(8) PLAN OF OPERATION. No person may establish or construct a solid waste storage facility or expand an existing facility unless the person has obtained a plan of operation approval from the department. The plan of operation shall specify the intent and objectives of the proposal, indicate methods and procedures to minimize adverse environmental impacts, and provide a design which complies with the applicable operational requirements specified under subs. (5) to (7). Unless otherwise approved by the department in writing, the plan shall be submitted in accordance with s. NR 500.05 and shall contain, at a minimum, the following information:

(a) A legal description of the facility.

(b) The present ownership of the property.

(c) The proposed facility size, a description of the present land use of the facility and the area within 1/4 mile of the facility.

(d) The area served, including population and major industries.

(e) The consistency of facility development with areawide solid waste plans and land use plans.

(f) The predominant types of vegetation and wildlife within the proposed facility boundaries.

(g) A complete materials balance for the storage facility, specifying amounts and characteristics of solid waste.

(h) The types of vehicles and access routes used to transport solid waste to and from the facility including the traffic flow patterns within the facility, and an estimate of the increased quantities of traffic on access routes to and from the facility.

(i) The estimated quantities and characteristics of wastes containing free liquids resulting from facility operations and methods of their storage and disposal.

(j) The persons responsible for facility construction and operation.

(k) Provisions for protection of groundwater and surface water during facility construction and operation.

(L) A discussion of possible operational hazards and necessary safety precautions.

(m) A discussion of design features and logic including the equipment capacity or size. Information shall be included to justify the size and configuration of the receiving area; methods of handling wastes containing free liquids resulting from operations such as floor drains, sewers and water treatment facilities; sizing of storm water drainage control structures; design life of any building and facility equipment; and methods of screening the facility from the surrounding area.

(n) An operations and maintenance manual which specifies the operating and maintenance procedures; operating personnel responsibilities; hours of operation; daily operating schedule; equipment maintenance schedules; methods of controlling explosions, dust, fire, odors and windblown materials; special waste handling procedures; methods of controlling access; daily cleanup procedures; person responsible for operation; facility licensee and owner; record keeping procedures; emergency procedures for handling of frozen conditions during cold weather; methods to prevent solid waste from burning; any additional procedures for the handling of the waste in the case of major facility breakdown; and any other pertinent information.

(9) ENGINEERING PLANS. The plan of operation shall include a set of engineering plans and maps which contain the following information unless an exemption is granted in writing by the department:

(a) An existing conditions map, which shows the entire facility and the area within 1/4 mile. The minimum scale shall be 1" = 400'. This map shall include the proposed facility boundary, property lines, easements and right-of-way; building foundations, roads, utilities and other structures; topography, drainage swales, surface waters, wetlands, floodplains and similar drainage features; wooded areas; location of soil borings and test pits; features of historical and archaeological significance; and other features as appropriate.

(b) Proposed facility access roads and traffic patterns, buildings, scales, utility lines, drainage diversion, screening, means of access control, final topography, areas to be cleared of vegetation, and other design features. The extent of coverage and scale shall be the same as that for the existing conditions map.

(c) A proposed layout plan which shows the receiving, storage and loadout areas. The minimum scale shall be 1" = 20'. Plan details shall include conceptual designs for the receiving area configuration and traffic flow patterns, storage area and equipment configuration, loadout area and equipment configuration, and other design features.

(d) At least one cross section shall be drawn through the receiving, storage and loadout areas indicating existing topography, limits of excavation, proposed final grades and other pertinent design features. More cross sections may be necessary depending on the complexity of the facility design.

(10) CONSTRUCTION DOCUMENTATION REPORT. The department may require the applicant to submit a construction documentation report for any storage facility which is required to submit a plan of operation. When a documentation report is required, it shall be prepared in accordance with the approved plan of operation and s. NR 500.05. Operation of the facility may not commence until the construction documentation report is approved in writing by the department and a license is issued. The department may issue a license prior to facility construction or construction documentation approval.

History: Cr. Register, January, 1988, No. 385, eff. 2-6-88; am. (4) (a), renum. (1) (b) to be (1) (c), cr. (1) (b), (2) (e) and (13), Register, May, 1992, No. 437, eff. 6-1-92, cr. (1) (d), (2) (f), am. (5) (intro.), Register, October, 1994, No. 466, eff. 11-1-94; cr. (2) (g), Register, May, 1995, No. 473, eff. 6-1-95; r. and recr., Register, June, 1996, No. 486, eff. 7-1-96; renum. (3) (i) to be (3) (j) and cr. (3) (i), Register, December, 1997, No. 504, eff. 1-1-98; CR 04-113: am. (3) (g) Register June 2005 No. 594, eff. 7-1-05; CR 05-020: am. (1) (a) (intro.), (b), (3) (intro.), (a) and (4) (a) 6., r. (1) (a) 1. to 3., renum. (1) (c) and (d) to be (1) (g) and (h), cr. (1) (c) to (f) and (3) (k) Register January 2006 No. 601, eff. 2-1-06; correction in (3) (e) made under s. 13.92 (4) (b) 7., Stats., Register January 2011 No. 661.

NR 502.06 Collection and transportation services.

(1) GENERAL. (a) Owners and operators of solid waste collection and transportation services shall comply with s. NR 502.04.

(b) Unless exempt under sub. (2), no person may operate or maintain a collection or transportation service unless the person has obtained an operating license from the department.

(c) No person may transport or ship infectious waste or items mixed with infectious waste, unless the person complies with s. NR 526.10.

Note: Services for collection and transportation of asbestos waste are required to meet the minimum requirements of the applicable air management rules in chs. NR 400 to 499.

(2) EXEMPTIONS. The following collection or transportation services shall comply with the general requirements specified in s. NR 502.04, but are exempt from all other requirements of this chapter:

(a) Services for the collection and transportation of only gravel pit spoils, quarry materials, earth materials or salvageable materials other than those listed in s. 287.07 (3) or (4), Stats.

(am) Services for the collection and transportation of the materials listed in s. 287.07 (3) and (4), Stats., after the materials have been processed for reuse or recycling by conversion into a con-

sumer product or a product which is used as a raw material in a commercial or industrial process.

(ar) Services for the collection and transportation of the materials listed in s. 287.07 (4), Stats., only from commercial, retail, industrial and governmental operations that comply with general operational requirements listed in sub. (4) (e), (eg) and (er).

(b) Services for the collection and transportation of only ordinary solid waste from a single household or solid waste amounting to less than 20 tons per year.

(c) Services for the collection and transportation of sludge from municipal wastewater or water supply treatment plants provided it is handled in accordance with ch. 283, Stats.

(d) Services for the collection and transportation of only waste materials regulated and licensed under s. 281.48, Stats.

(e) Governmental services consisting solely of vehicles used to collect and transport roadside litter from town, village, city, county, state and federal highway right-of-way. Litter shall be disposed of at a licensed disposal facility.

(f) Services for the collection and transportation of dredge material regulated by permit or contract under s. 30.20, Stats.

(g) Services for the collection and transportation of wastes generated by an industrial company which do not travel on public roads and which utilize vehicles owned by the company.

(h) Services for the collection and transportation of whey or waste materials from fruit or vegetable processing operations.

(i) Services for the transportation of infectious waste or items mixed with infectious waste in compliance with s. NR 526.10.

(j) Services for the collection and transportation of contaminated soil in compliance with ch. NR 718.

(k) Services for the collection and transportation of industrial byproducts in compliance with ch. NR 538.

(3) OPERATIONAL REQUIREMENTS FOR TRANSPORTATION OF RESIDUE PRODUCED BY BURNING MUNICIPAL SOLID WASTE. (a) No person may operate or maintain a collection and transport service for the transportation of residue produced by burning municipal solid waste except in accordance with the applicable provisions of this section, and the following special requirements:

(b) The residue shall contain sufficient moisture during transportation to prevent dust emissions. Alternative methods of dust control shall be approved by the department prior to implementation. Provisions shall be made to prevent the release of residue into air in the residue handling areas.

(c) Prior to transportation of the residue, free liquids shall be drained until no more free liquids remain. All vehicles that transport the residue shall be designed and operated as necessary to prevent leakage during operation.

(d) Access to the residue transport vehicles shall be restricted to authorized personnel only.

(e) All transportation vehicles shall be covered to adequately prevent spillage and wind blown residue during transport.

(4) GENERAL OPERATIONAL REQUIREMENTS. No person may operate or maintain a solid waste collection and transportation service except in accordance with the following minimum requirements:

(a) Each vehicle shall have "WDNR" followed by the license number lettered on the driver's door. The letters shall be at least 2 inches high with a minimum 1/2 inch brush stroke. The lettering shall contrast with the background so it is easy to read.

(b) Solid waste shall be transported only to facilities which are licensed or approved by the department, or to facilities which are exempt from regulation by the department.

(c) Vehicles or containers used for the collection and transportation of solid waste shall be durable, easy to clean and leak-proof, if necessary, considering the type of waste and its moisture content. All vehicles and containers shall be cleaned as frequently as necessary to prevent nuisances or insect breeding and shall be maintained in good repair.

(d) Vehicles or containers used for the collection and transportation of solid waste shall be loaded and moved in such a manner that the contents do not fall, spill or leak. Covers shall be provided to prevent littering and spillage. If spillage does occur, the operator shall immediately return spilled materials to the vehicle and shall properly clean the spill area. In the event of a spill of a hazardous substance the department shall be notified under s. 292.11, Stats., and the spill material shall be collected and the environment restored as provided in ch. NR 158.

Note: Chapter NR 158 has been repealed.

(e) Services for the collection and transportation of recyclable materials listed in s. 287.07, Stats., and municipal solid wastes shall comply with the prohibitions on land disposal and incineration in s. 287.07, Stats.

(eg) Services for the collection and transportation of municipal solid wastes shall notify their clients of the need to comply with state and local laws requiring recycling. In this paragraph, “client” means the contracting entity or the entity that arranges for service provision in the case where there is no formal contract.

1. Notification for all clients except households in single family and 2 to 4 unit dwellings shall be written, and provided at the time of entering into a contract or otherwise arranging for collection and transportation services and annually thereafter.

2. Notification for all clients in single family and 2 to 4 unit dwellings shall be provided either at the time a client first arranges for collection and transportation services or in writing within 45 days of that time, and by written notice annually thereafter.

3. The service provider shall maintain documentation of this notification for the preceding calendar year.

(er) Unless otherwise specified by contract, a service for the collection and transportation of recycled materials specified in s. NR 544.04 (3) and (4) shall, within 4 weeks of a written request from a responsible unit, provide information regarding the amount of recyclable materials collected under contract with the responsible unit.

(f) Services for the collection and transportation of recyclable materials shall maintain the cleanliness of those materials for recycling purposes.

(g) Upon the request of the department, a service for the collection and transportation of recyclable materials shall provide satisfactory documentation to the department that the recyclable materials have been delivered to brokers, processors or end users of the materials. Records shall be retained for a period of 3 years from the time of delivery.

(h) The owner or operator shall provide written notice of termination of service to the department at least 30 days prior to ceasing all transport services for an extended period. The owner or operator shall provide information to the department concerning service areas and disposal facilities used as specified in the license renewal application.

(5) RESPONSIBILITY. A person generating solid waste shall be responsible for the collection and transportation of the waste to a solid waste disposal facility licensed by the department unless the person contracts with a collection and transportation service licensed by the department for that purpose.

History: Cr. Register, January, 1988, No. 385, eff. 2–6–88; renum. (1) and (4) to (6) to be (1) (a) and (6) to (8), cr. (1) (b), (4) and (5), Register, May, 1992, No. 437, eff. 6–1–92; am. (2) (a), cr. (2) (am) and (6) (e) to (g), Register, September, 1993, No. 453, eff. 10–1–93, cr. (1) (c), (2) (i), Register, October, 1994, No. 466, eff. 11–1–94; r. and recr. (1) (a), (b), cr. (2) (ar), (j), (4) (h), am. (2) (intro.), (am), (i), r. (3), (4), (7), renum. (5) and (6) to be (3) and (4), (8) to be (5) and am. (3) (a), Register, June, 1996, No. 486, eff. 7–1–96; am. (2) (b), Register, August, 1997, No. 500, eff. 9–1–97; cr. (2) (k), Register, December, 1997, No. 504, eff. 1–1–98; CR 04–113; am. (2) (ar) and (4) (e), cr. (4) (eg) and (er) Register June 2005 No. 594, eff. 7–1–05.

NR 502.07 Transfer facilities. (1) GENERAL. (a) Unless exempt under sub. (2m), owners and operators of solid waste transfer facilities shall comply with the performance standards and closure requirements in s. NR 502.04 (1) and (3) (a) and (b).

(b) Unless exempt under sub. (2), (2f) or (2m), owners and operators of new or expanded solid waste transfer facilities shall comply with initial site inspection requirements in s. NR 502.04 (2) and demonstrate compliance with the locational criteria listed under sub. (3).

(c) Unless exempt under sub. (2), (2f), (2m) or (2r), no person may operate or maintain a solid waste transfer facility unless the person has received approval of a plan of operation as specified in sub. (4).

(cm) Unless exempt under sub. (2), (2f) or (2m), no person may operate or maintain a solid waste transfer facility unless the person has obtained an operating license from the department.

(d) No person may operate or maintain a transfer facility for infectious waste or items mixed with infectious waste unless the person complies with s. NR 526.09.

(2) EXEMPTIONS. Transfer facilities at which waste from individual users or from hand unloaded vehicles not exceeding one ton in capacity shall comply with the performance standards and closure requirements in s. NR 502.04 (1) and (3) (a) and (b), but are exempt from all other requirements of this chapter, provided the facility is operated and maintained in conformance with the following practices:

(a) Containers shall be leak–proof and manufactured of non-degradable material such as metal, plastic or concrete.

(b) Where mechanical equipment is a part of the operation, access shall be limited to those times that an attendant is on duty. Access restrictions and an attendant may be required by the department for a nonmechanical facility.

(c) Containers shall be removed or emptied at least once per week and more frequently if conditions warrant.

(d) The transfer station and adjacent area shall be kept clean and free of litter.

(e) Burning of solid waste may not be conducted.

(f) Effective means shall be provided to control flies, rodents and other insects or vermin.

(g) An all–weather access road and parking area shall be provided and maintained.

(h) If recycling facilities are provided, they shall be clearly labeled and maintained in a nuisance–free manner.

(2f) EXEMPT RECYCLING TRANSFER FACILITIES. Facilities only for the transfer of items listed in s. 287.07 (3) or (4), Stats., except waste tires listed in s. 287.07 (3), Stats., shall comply with the operational requirements in sub. (7) (a), (c), (d), (i), (k) and (o), and the performance standards and closure requirements in s. NR 502.04 (1) and (3) (a) and (b), and, for new or expanded facilities opening after July 1, 2005, the locational criteria in sub. (3), but are exempt from all other requirements of this chapter.

(2m) EXEMPT USED OIL FACILITIES. Transfer facilities for only used oil which is managed in compliance with ch. NR 679 ARE EXEMPT FROM ALL REQUIREMENTS OF THIS CHAPTER.

(2r) EXEMPT TRANSFER FACILITIES ACCEPTING LESS THAN 50 TONS PER DAY. Transfer facilities that meet all of the following criteria are exempt from all other requirements of this chapter:

(a) Comply with performance standards and closure requirements in s. NR 502.04 (1) and (3) (a) and (b).

(b) New or expanded facilities shall comply with initial site inspection requirements in s. NR 502.04 (2) and demonstrate compliance with locational criteria in sub. (3).

(c) Obtain an operating license from the department.

(d) Accept a maximum of 50 tons of waste per day and store a maximum of 50 tons of waste at any one time.

(e) Comply with operational requirements for transfer facilities in sub. (7) and all of the following:

1. Limit storage periods to a maximum of 24 hours, except within leak–proof vehicles or containers with impermeable tops used by a licensed collection and transportation service.

2. Do not accept sewage solids, sludge, asbestos or wastes containing free liquids.

3. At the end of each operating day, place all waste in leak-proof vehicles or containers with impermeable tops.

(f) Prior to or with the initial license application, and with each subsequent license application, submit a cover letter containing the following certification:

I, _____ (authorized individual name),
 _____ (position title), hereby certify that I am the owner
 or authorized representative of the solid waste transfer facility,
 _____ (facility name), located at
 _____ (location address); that I am aware of s. NR
 502.07, Wis. Adm. Code applicable to the facility; and that the
 facility is in compliance with the code.

 (signature of authorized individual) (signature date)

(g) If the certification required in par. (f) is not submitted with a license renewal application prior to expiration of any license period, the facility shall pay compliance inspections fees in accordance with s. NR 520.04 (7) for up to 2 inspections completed by the department during the subsequent license period.

(3) LOCAL CRITERIA. (a) Except as otherwise specified in this section, new or expanded solid waste transfer facilities may not be located in any of the following areas, unless an exemption is granted under par. (b):

1. Within a floodplain.
2. Within 250 feet of any private water supply well, or within 1,200 feet of any public water supply well.
3. Within 250 feet of any navigable lake, pond or flowage.
4. Within 250 feet of any navigable river or stream.
5. Within 100 feet of land owned by a person other than the owner or operator of the facility, unless the waste handling operations are screened by natural objects, plantings, fences or other appropriate means so that it is not visible from the property boundary.
6. Within 1,000 feet of the nearest edge of the right-of-way of any state trunk highway, interstate or federal aid primary highway or the boundary of any public park or state natural area under ss. 23.27 (1) and 23.28 (1), Stats., unless the facility is screened by natural objects, plantings, fences or other appropriate means so that it is not visible from the highway, park or state natural area.
7. Within 10,000 feet of any airport runway used or planned to be used by turbojet aircraft or within 5,000 feet of any airport runway used only by piston type aircraft or within other areas where a substantial bird hazard to aircraft would be created. This criterion is applicable only when the facility will be used for handling putrescible waste.

(b) The locational criteria listed under par. (a) 2. to 7., do not apply to waste transfer activities located within an enclosed building. However, the department may require enclosed solid waste transfer facilities to meet specified locational criteria in par. (a) if there is significant potential for the facility to cause environmental pollution as defined in s. 283.01 (6m), Stats., nuisance conditions or bird hazard to aircraft. The department may grant exemptions from the requirements of par. (a) 2. to 7., only upon demonstration by the applicant of circumstances which warrant the exemption. Exemptions from compliance with par. (a) 1. may not be granted.

(4) PLAN OF OPERATION. Unless exempt under sub. (2), (2f), (2m) or (2r), no person may establish or construct a transfer facility prior to obtaining approval in writing from the department of a plan of operation for the facility. The plan of operation shall specify the intent and objectives of the proposal, indicate methods and procedures to minimize adverse environmental impacts and provide a design which complies with the operational requirements in sub. (7). Unless an exemption is granted by the department in writing, the plan shall be submitted in accordance with s.

NR 500.05 and shall contain engineering plans specified under sub. (5) and a report containing, at a minimum the following information:

- (a) A legal description of the property and the facility boundaries.
- (b) The present ownership of the proposed facility property.
- (c) Land use within 1/4 mile of the proposed facility.
- (d) The operator of the facility.
- (e) The size of the facility.
- (f) A USGS 7¹/₂ minute or 15 minute quadrangle map of the facility property.
- (g) The proposed methods of screening waste handling operations from the surrounding area.
- (h) A discussion of the consistency of facility development with areawide solid waste management plans, land use plans or other areawide plans. Alternatives considered in the project planning phase shall be discussed.
- (i) The population and area to be served by the facility and projections for changes in use in the future.
- (j) The type and quantity of waste to be handled, and specific waste types which will not be accepted at the facility. The method for screening the incoming waste to eliminate unacceptable material such as asbestos, infectious waste, explosive wastes, hazardous waste or other materials from endangering the operators' safety shall be identified.
- (k) The persons responsible for structural improvements, building maintenance and daily operation and control of the facility.
- (L) The types of vehicles used to transport solid waste into and out of the facility.
- (m) The vehicle traffic routing at the facility and provisions for access to connecting roadways.
- (n) The source of the facility's water supply and the method of wastewater treatment.
- (o) The methods of volume reduction to be used such as compacting, grinding, compression or tamping.
- (p) The design criteria used to select equipment capacity and building configuration and sizing.
- (q) Daily clean-up procedures.
- (r) The names and locations of all solid waste disposal facilities to which waste from the transfer station may be hauled.
- (s) The procedures for alternate routing of waste during inoperable periods at the facility.
- (t) The procedures to handle heavy or bulky items and locations for storage of solid waste beyond the end of the working day.
- (u) The equipment and procedures designed to control dust, odors, noise, fire and windblown paper.
- (v) The proposed life expectancy of the facility.
- (w) A detailed discussion of the safety equipment and procedures to be used at the facility.

(5) ENGINEERING PLANS. The plan of operation shall include a set of engineering plans and maps which contain the following information unless an exemption is granted in writing by the department:

- (a) An existing conditions map, which shows the entire facility and the area within 1/2 mile. The minimum scale shall be 1" = 400'. This map shall include the facility boundary, property lines, easements and right-of-way; building foundations, roads, utilities and other structures; existing topography, drainage swales, surface waters, wetlands, floodplains and similar drainage features; wooded areas; location of soil borings and test pits; features of historical and archaeological significance; and other features as appropriate.
- (b) A facility plan which shall include the proposed facility access roads and traffic patterns, buildings, scales, utility lines, drainage diversion, screening, means of access control, final

topography, areas to be cleared of vegetation and other design features. The extent of coverage and scale shall be the same as that for the existing conditions map.

(c) A proposed process layout plan which shows the receiving, storage and loadout areas. The minimum scale shall be 1" = 20'. The plans shall include design details for the receiving area configuration and traffic flow patterns, storage area and equipment configuration, loadout area and equipment configuration, and other design features.

(6) CONSTRUCTION DOCUMENTATION REPORT. The department may require the applicant to submit a construction documentation report for any transfer facility required to submit a plan of operation. When a documentation report is required, it shall be prepared in accordance with the approved plan of operation and s. [NR 500.05](#). Operation of the facility may not begin until the construction documentation report is approved in writing by the department and a license is issued. The department may issue a license prior to facility construction or construction documentation.

(7) OPERATIONAL REQUIREMENTS FOR TRANSFER FACILITIES. Unless exempt under sub. (2), (2f), (2m) or (2r) no person may operate or maintain a transfer facility except in conformance with an approved plan of operation, if applicable under sub. (4), and the following operational requirements:

(a) A sign shall be prominently posted at the entrance to the facility, which indicates the name, license number, the hours of operation, waste types accepted, necessary safety precautions and any other pertinent information specified by the department.

(b) A building, roofed and enclosed on at least 3 sides or otherwise enclosed to satisfactorily control dust, papers, and other waste materials, shall be provided.

(c) All wastewater shall be collected and treated at a wastewater treatment facility permitted to accept it.

(d) The facility shall be operated under the direct supervision of responsible individuals who are thoroughly familiar with the requirements and the operational procedures of the transfer facility.

(e) Access shall be restricted except when an attendant is on duty.

(f) There may be no storage of solid waste on the premises for a period greater than 24 hours except in conformance with s. [NR 502.05](#) or unless the waste is contained in leak-proof vehicles or containers with impermeable tops used by a licensed collection and transportation service. Longer storage periods may be authorized by the department for certain industrial and commercial waste depending on the design of the facility

(g) Unloading of solid waste may take place only within the enclosed structure and only in approved designated areas.

(h) Solid waste shall be confined to the unloading, loading and handling area.

(i) The transfer facility and adjacent area shall be kept clean and free of litter.

(j) Sewage solids, sludge, asbestos or wastes containing free liquids may not be accepted unless special handling plans for these wastes have been submitted to the department and approved in writing. Infectious or hazardous waste may not be accepted under any circumstances.

(k) Dust and odor generated by the unloading of solid waste and the operation of the transfer facility shall be controlled at all times.

(L) Burning of solid waste may not be conducted.

(m) Solid waste which is burning or is at a temperature likely to cause fire or is flammable or explosive may not be accepted.

(n) Equipment shall be provided to control accidental fires and arrangements shall be made with the local fire protection agency to provide immediate services when needed.

(o) Means shall be provided to control flies, rodents and other insects or vermin.

(p) Provisions shall be made for adequate maintenance of the transfer facility after each day of operation.

(q) Means of communication shall be provided for emergency purposes.

(r) An approved alternative method of waste processing or disposal shall be provided in the event that the transfer facility is rendered inoperable.

(s) Recyclable material may be separated from the incoming waste and stored provided that no fire hazard or nuisance conditions are created.

History: Cr. Register, January, 1988, No. 385, eff. 2-6-88; am. (1), (3) (j), Register, October, 1994, No. 466, eff. 11-1-94; am. (1), cr. (2m), Register, May, 1995, No. 473, eff. 6-1-95; r. and recr. (1), am. (2) (intro.), (2m), (7), (intro.), (c), (f), (g), cr. (2f), (3), r. (6), (8), renum. (3), (4) and (5) to be (4), (5) and (6) and am. (4) (intro.), (j), (6), Register, June, 1996, No. 486, eff. 7-1-96; am. (7) (j), Register, September, 1998, No. 513, eff. 10-1-98; CR 04-113; am. (2f) Register June 2005 No. 594, eff. 7-1-05; CR 05-020; am. (1) (a) to (c), (2m), (3) (a) 6., (4) (intro.) and (7) (intro.), cr. (1) (cm) and (2r) Register January 2006 No. 601, eff. 2-1-06; correction in (2m) made under s. 13.92 (4) (b) 7., Stats., Register January 2011 No. 661; correction in (2f) made under s. 13.92 (4) (b) 7., Stats., Register April 2013 No. 688.

NR 502.08 Solid waste processing facilities.

(1) GENERAL. (a) Unless exempt under sub. (2), no person may operate or maintain a solid waste processing facility unless the person complies with the general requirements in s. [NR 502.04](#), and has obtained a plan of operation approval as specified in sub. (4) and an operating license from the department.

(b) Unless exempt under sub. (2), owners and operators of new or expanded solid waste processing facilities shall demonstrate compliance with the applicable locational criteria in sub. (3).

Note: Persons treating infectious waste are required to submit a plan of operation and obtain a license for operating a solid waste processing facility under this section and shall comply with s. [NR 526.12](#).

(2) EXEMPTIONS. The following facilities are exempt from all requirements of this chapter, except as specified:

(a) Incinerators, air curtain destructors, woodburning facilities, composting facilities and municipal solid waste combustors regulated under ss. [NR 502.09](#) to [502.13](#).

(b) Materials recovery facilities as defined in s. [NR 500.03](#) (140). A materials recovery facility which serves one or more responsible units shall either hold a valid self-certification or be exempted from self-certification, as specified in s. [NR 544.16](#) (2).

(c) Facilities that process only used oil which is managed in compliance with ch. [NR 679](#).

(d) Facilities for processing contaminated soil in accordance with ch. [NR 718](#).

(e) Infectious waste treatment facilities which are exempt from licensing under s. [NR 526.12](#) (2).

(f) Facilities for the processing of scrap iron, steel or nonferrous metal using large machines to produce a principal product of scrap metal for sale or use for remelting purposes.

(fg) Facilities that use large machines to sort, grade, compact, bale or process clean, separate waste components consisting of waste paper, textiles, clean wood, glass, pavement or plastics, not mixed with each other or other solid waste, for sale or distribution for reuse or recycling.

(fr) Facilities that use large machines to sort, grade, compact, bale, or mechanically process clean, separate waste construction and demolition materials not mixed with other solid waste, for sale or distribution for reuse or recycling, provided the facility complies with the operational requirements specified in s. [NR 502.07](#) (7) (a), (c), (d), (k), (L) and (o), the performance standards and closure requirements in s. [NR 502.04](#) (1) and (3) (a) and (b), and, for new or expanded facilities opening after July 1, 2005, the locational criteria in s. [NR 502.07](#) (3).

(g) Private alcohol fuel production systems provided the waste product is stored in an environmentally sound storage facility and

disposed of using an environmentally safe landspreading technique and the disposal is confined to the property of the owner.

(h) Facilities where solid wastes are generated as part of a manufacturing or industrial process and the solid wastes are processed within a building on the same property where the waste is generated, provided the solid waste generator complies with the performance standards and closure requirements in s. NR 502.04 (1) and (3) (a) and (b).

(i) Except for those facilities which are otherwise exempt under this subsection, facilities where solid wastes are processed for reuse or recycling by being incorporated into a structural material such as concrete or asphalt or converted into a consumer product, or used as a raw material in a commercial or industrial process are exempt from licensing and all other requirements of this chapter, provided the solid waste generator or processor obtains written approval from the department to use the waste for these purposes in accordance with the following:

1. Comply with the performance standards and closure requirements in s. NR 502.04 (1) and (3) (a) and (b), and operate the facility in a nuisance-free and aesthetic manner.

2. Submit a process flow diagram and the necessary laboratory and field tests to show that the specific waste types to be used would not release quantities of contaminants into the environment such that a potential hazard to public health or the environment would be created.

(3) LOCATIONAL CRITERIA FOR NONEXEMPT PROCESSING. (a) Unless exempt under sub. (2), new or expanded processing facilities may not be located within any of the following areas, unless an exemption is granted under par. (b):

1. Within a floodplain.
2. Within 250 feet of any private water supply well, or within 1,200 feet of any public water supply well.
3. Within 250 feet of any navigable lake, pond or flowage.
4. Within 250 feet of any navigable river or stream.
5. Within 250 feet of land owned by a person other than the owner or operator of the facility, unless the facility is screened by natural objects, plantings, fences or other appropriate means so that it is not visible from the property boundary.
6. Within 1,000 feet of the nearest edge of the right-of-way of any state trunk highway, interstate or federal aid primary highway or the boundary of any public park or state natural area under ss. 23.27 (1) and 23.28 (1), Stats., unless the facility is screened by natural objects, plantings, fences or other appropriate means so that it is not visible from the highway, park or state natural area.
7. Within 10,000 feet of any airport runway used or planned to be used by turbojet aircraft or within 5,000 feet of any airport runway used only by piston type aircraft or within other areas where a substantial bird hazard to aircraft would be created. This criterion is applicable only when the facility will be used for handling putrescible waste.

(b) Processing facilities located within a building are not subject to par. (a) 2. to 7. However, the department may require contained and enclosed solid waste processing facilities to meet specified locational criteria in par. (a) if there is significant potential for the facility to cause environmental pollution as defined in s. 283.01 (6m), Stats., nuisance conditions or bird hazard to aircraft. The department may grant exemptions from par. (a) 2. to 7., only upon demonstration by the applicant of circumstances which warrant the exemption. Exemption from compliance with par. (a) 1. may not be granted.

(4) PLAN OF OPERATION – NONEXEMPT PROCESSING FACILITIES. Unless exempt under sub. (2), no person may establish or construct a solid waste processing facility prior to obtaining approval in writing from the department of a plan of operation for the facility. Unless otherwise approved by the department in writing, the plan shall be submitted in accordance with s. NR 500.05, shall contain engineering plans specified under sub. (5), shall provide

a design which complies with the operational requirements in sub. (6) and shall include a report containing, at a minimum, the following information:

(a) A legal description of the property and the facility boundaries.

(b) The present ownership of the proposed facility property.

(c) Land use within 1/4 mile of the proposed facility. Particular note shall be made of parks, hospitals, nursing homes and areas of archaeological and historical significance.

(d) The proposed service area, including population and major industries.

(e) The consistency of facility development with county solid waste plans and land use plans.

(f) The predominant types of vegetation and wildlife within the proposed facility boundaries.

(g) The persons responsible for facility construction and operation.

(h) A timetable for facility construction, shakedown and operation, and an operating schedule for the facility. All facilities operated more than 4 hours per day shall be equipped with a toilet and wash basin or have those facilities available within a reasonable distance.

(i) A complete materials balance for the facility, specifying amounts and characteristics of solid waste received and amounts and characteristics of products and wastes generated by the facility.

(j) The estimated quantities and characteristics of wastes containing free liquids resulting from facility operation and methods of their treatment or disposal. All wastewater resulting from the process shall be discharged into a sanitary sewer or other system approved by the department.

(k) The names and locations of all solid waste disposal facilities at which solid waste from the processing plant will be disposed, and potential contractual arrangements and distribution plans for recovered solid wastes or products produced.

(L) A proposed design providing enclosure for all installed processing equipment. Explosion-prone equipment such as primary shredders shall be placed in a separate room with explosion venting or explosion suppression equipment.

(m) A proposed design providing for shrouding and dust collection and removal equipment for the receiving area and all dry processing units such as shredders, screens, air classification devices, magnetic separators and similar equipment and all conveyor transfer points where dust is generated. Any air collected in this manner shall be directed through appropriate air pollution control equipment before being discharged.

(n) A discussion of any additional procedures for the control of dust, odors, fire, windblown materials and potential explosions and for the handling of the waste in the case of major processing facility breakdown. Dust within a facility shall be controlled so that operators are not exposed to undue health risk.

(o) A proposed design providing for all buildings enclosing processing equipment to have a sloped concrete floor with floor drains connected to a sanitary sewer or other system approved by the department.

(p) A proposed design providing for all processing, receiving or storage areas not enclosed by a building to be graded at a minimum 1% slope and surfaced with a material which will adequately support heavy equipment, resist frost action, provide a wearing surface and prevent contamination of groundwater. Runoff from these areas shall be directed to a sanitary sewer or other system approved by the department.

(q) A discussion of the quality and quantity of air discharge from plant operations and the need for any permits. For thermal processing facilities, the report shall include a proposed design to provide adequate temperature and residence time in the reaction chambers to assure complete processing and necessary air pollu-

tion control equipment to meet state air pollution control regulations.

(r) A discussion of the types of vehicles and access routes used to transport solid waste to and from the facility, including the estimated increase in traffic, and traffic flow patterns within the facility.

(s) A proposed design providing for access roads of all-weather construction and a maximum 10% grade. The intersection of the access road with an existing highway shall be designed to provide sufficient sight distance and provide for minimum interference with traffic on existing highways.

(t) A proposed design limiting access to the processing facility by means of fencing, natural barriers or other methods.

(u) Information to document that the size and configuration of the facility grounds, building and equipment, including the facility layout, drainage structures, building design, and major facility equipment, as specified to be shown in the engineering plans, are adequate for management of the proposed waste quantities and processes.

(v) Provisions for protection of groundwater and surface water during facility construction and operation.

(w) A discussion of possible operational hazards and necessary safety precautions.

(x) Procedures for facility closure.

Note: These facilities may be subject to other regulations including OSHA requirements.

(5) ENGINEERING PLANS. The plan of operation shall include a set of engineering plans and maps which contain the following information unless an exemption is granted by the department in writing:

(a) An existing conditions map, which shows the entire facility and the area within 1/4 mile. The minimum scale shall be 1" = 400'. This map shall include the proposed facility boundary, property lines, easements and rights-of-way, buildings foundations, roads, utilities and other structures; topography, drainage swales, surface waters, wetlands, floodplains and similar drainage features; wooded areas; location of soil borings and test pits; features of historical and archaeological significance; and other features as appropriate.

(b) A facility plan which includes the proposed facility access roads and traffic patterns, buildings, scales, utility lines, drainage diversion, screening, means of access control, final topography, areas to be cleared of vegetation, and other design features. The extent of coverage and scale shall be the same as that for the existing conditions map.

(c) A proposed layout of each facility building including receiving, processing, and loadout areas. The minimum scale shall be 1" = 20'. The building layout shall also show the location of all major facility equipment, including material handling equipment, air handling and air pollution control equipment, floor drains and process sewers, and other pertinent design features.

(d) At least one cross section drawn through the receiving area, each process line, and the loadout area indicating existing topography, limits of excavation, proposed final grade, and other pertinent design features. More cross sections may be necessary depending on the complexity of the facility design.

(6) MINIMUM OPERATIONAL REQUIREMENTS. No person may operate or maintain a solid waste processing facility except in conformance with any approved plan of operation and the following minimum requirements:

(a) A sign, acceptable to the department, shall be posted at the entrance to the facility which indicates the name, license number, the hours of operation, a list of all prohibited wastes, the penalty for unauthorized use, all necessary safety precautions and other pertinent information.

(b) Access to the processing facility shall be limited to those times that an attendant is on duty.

(c) A processing facility shall be operated under the close supervision of responsible individuals who are thoroughly familiar with the requirements and operational procedures of the plant.

(d) Unloading of solid waste shall take place only in approved, designated areas. All solid waste, with the exception of that in the process line, shall be stored in conformance with s. NR 502.05.

(e) The operation shall be conducted in a manner to prevent public health hazards and nuisances, including keeping the processing facility and adjacent area clean and free from litter, and taking effective means to control flies, rodents and other insects or vermin.

(f) Waste containing free liquids, sludges or asbestos waste shall be excluded unless plans specifically addressing the handling of these materials have been submitted to the department and approved in writing. Solid waste which is flammable or explosive may not be accepted. Infectious waste may be accepted only in accordance with s. NR 526.12.

(g) Equipment shall be provided to control accidental fires and arrangements shall be made with the local fire protection agency to provide immediate services when needed.

(h) All operators shall be trained on the sources, quantities and characteristics of the wastes to be processed; process line start up procedures, routine monitoring and cleanup procedures; daily processing and equipment maintenance schedules; methods of controlling access, odors and windblown materials; methods of controlling fires and explosions, use of appropriate safety equipment; persons to contact concerning operational problems and emergencies. An operator training manual containing this and other pertinent operating information shall be prepared and maintained at the facility. Means of communication with emergency facilities shall be provided.

(i) Open burning of solid waste may not be conducted.

(j) Materials resulting from composting or similar processes and offered for sale or public distribution shall be:

1. Stabilized to eliminate pathogenic organisms and to ensure that the materials do not reheat upon standing.

2. Free of sharp particles which could cause injury to persons handling the compost.

3. Free of toxins which could cause detrimental impacts to public health or the environment.

(k) Dust generated by the unloading of solid waste and the operation of the processing facility shall be controlled in accordance with the state air management rules so as not to create nuisance conditions.

(L) If required by the department, permanent records of facility performance shall be maintained and submitted to the department with the relicensing application or as specified in the plan approval. Records shall indicate types, sources and amounts of solid waste processed, minor plant modifications performed, process monitoring data, amounts and characterization testing of process outputs, and other data as required by the department when granting the license.

(m) Arrangements shall be made with an approved solid waste disposal facility for use in the event that the processing facility is rendered inoperable or is not able to completely process the solid waste.

(n) By-products or residues shall be disposed of in facilities approved to receive such waste or shall be handled by an alternative method approved by the department.

(o) All areas disturbed during facility construction or operation shall be graded to a maximum slope of 3 horizontal to 1 vertical, covered with 6 inches of topsoil and seeded or otherwise protected from soil erosion. All borrow areas shall be abandoned in accordance with Wisconsin department of transportation procedures.

(7) CONSTRUCTION DOCUMENTATION. The department may require that a registered professional engineer document facility

construction and render an opinion whether the facility has been constructed in substantial conformance with the approved plan. When a documentation report is required, it shall be prepared in accordance with the approved plan of operation and s. NR 500.05. Operation of the facility may not commence until the construction documentation report is approved in writing by the department and a license is issued. The department may issue a license prior to facility construction or construction documentation.

(8) MONITORING. Specific monitoring requirements and testing procedures for new, expanded and existing processing facilities will be determined by the department based on a review of the potential for environmental pollution. The department may require the owner or operator of any processing facility or any person who permits the use of property for that purpose to conduct monitoring as follows:

- (a) Air quality monitoring.
- (b) Product testing and waste characterization. The frequency of testing and parameters to be analyzed will be determined based on a review of the proposal and complexity of the product. The quality control program will correlate with the nature of the waste to be processed and final uses proposed for the material.
- (c) Groundwater and surface water monitoring. The frequency and type of monitoring and analysis will be determined based on a review of the project.
- (d) Periodic assessments of plant operation, process feasibility and marketability analyses of processed materials.

History: Cr. Register, January, 1988, No. 385, eff. 2-6-88; am. (1), cr. (15), Register, May, 1992, No. 437, eff. 6-1-92; am. (1), (2) (f), (9) (l), Register, October, 1994, No. 466, eff. 11-1-94; cr. (2) (g), Register, May, 1995, No. 473, eff. 6-1-95; r. and recr., Register, June, 1996, No. 486, eff. 7-1-96; am. (2) (i) (intro.), Register, September, 1998, No. 513, eff. 10-1-98; CR 04-113; CR 04-113; am. (2) (b) and (f), cr. (2) (fg) and (fr) Register June 2005 No. 594, eff. 7-1-05; CR 05-020; am. (3) (a) 6. Register January 2006 No. 601, eff. 2-1-06; correction in (2) (c) made under s. 13.92 (4) (b) 7., Stats., Register January 2011 No. 661.

NR 502.09 Incinerators. (1) GENERAL. (a) Unless exempt under sub. (2), no person may operate a solid waste incinerator unless the person complies with the general requirements in s. NR 502.04 and has obtained a plan of operation approval as specified in sub. (4) and an operating license from the department.

(b) Unless exempt under sub. (2), owners and operators of new or expanded solid waste incinerators shall demonstrate compliance with the locational criteria in sub. (3).

(2) EXEMPTIONS. (a) Incinerators having a capacity of 500 pounds per hour or less are exempt from all requirements of this section except the disposal requirements in sub. (5) (n) and the ash characterization requirements in sub. (6). The facility shall be designed and operated in conformance with emission limitations of state air pollution control regulations in chs. NR 400 to 499.

(b) Incinerators burning only clean wood waste are exempt from all requirements of this section except the disposal requirements in sub. (5) (n) and the ash characterization requirements in sub. (6).

(c) Municipal solid waste combustors which are regulated under s. NR 502.13 are not subject to regulation under this section.

(d) Incinerators which burn only used oil which is managed in compliance with ch. NR 679 are exempt from all requirements of this section.

(3) LOCATIONAL CRITERIA. (a) Except as otherwise specified in this section, new or expanded solid waste incinerator facilities may not be located in any of the following areas, unless an exemption has been granted under par. (b):

1. Within a floodplain.
2. Within 250 feet of any private water supply well, or within 1,200 feet of any public water supply well.

(b) The department may require an incinerator facility meet additional locational criteria if there is significant potential for the facility to cause environmental pollution as defined in s. 283.01 (6m), Stats., nuisance conditions or bird hazard to aircraft. The

department may grant exemptions from compliance with par. (a) 2. only upon demonstration by the applicant of circumstances which warrant such exemptions. Exemption from compliance with par. (a) 1. may not be granted.

(4) PLAN OF OPERATION. No person may establish or construct an incinerator or expand an existing incinerator prior to obtaining approval in writing from the department of a plan of operation for the facility. The plan of operation for an incinerator shall provide a design which complies with the operational requirements in sub. (5) and contain, at a minimum, the following information:

(a) A map or aerial photograph of the area showing land use and zoning within 1/4 mile of the site. The map or aerial photograph shall be of sufficient scale to show all homes, industrial buildings, roads and other applicable details and the details shall be identified and indicated on the map or aerial photograph.

(b) A plot plan of the incinerator site including means of limiting access such as fencing, gates, natural barriers; methods of acceptably screening the facility from the surrounding area; general layout of equipment and flow pattern; road access; and location of existing and proposed utilities serving the incinerator.

(c) A report which shall include the following information:

1. The legal description of the property where the incinerator will be located.
2. Population, area and facilities to be served by the incinerator.
3. Anticipated type and quantity of waste to be handled by the incinerator.
4. Persons responsible for incinerator operations.
5. Methods of collecting and treating or disposing of any liquid wastes or waste waters resulting from the operation of the incinerator.

(d) A description of all appurtenances and procedures intended to store refuse beyond the end of the working day and to control dust, odors, fire outside the burning chamber and windblown materials.

(e) A description of all methods of volume reduction including compaction, compression, baling, shredding, grinding, tamping, separating or classifying.

(f) A description of daily clean up procedures.

(g) A description of incinerator inspection and maintenance schedule and procedures.

(h) Detailed drawings and specifications of all structures, equipment and site.

(i) A report which includes furnace design criteria and expected performance data, including emission data.

(j) Identification of the site at which the ash residue will be disposed and alternative sites available for use when the primary site is inoperative.

(5) OPERATIONAL REQUIREMENTS. No person may operate or maintain an incinerator except in conformance with the following minimum requirements, unless an exemption is granted by the department in writing:

(a) The incinerator shall be equipped, operated and maintained in a nuisance-free manner.

(b) Adequate shelter and sanitary facilities shall be available for personnel.

(c) A sign shall be prominently posted at the entrance to the facility which indicates the name, license number, the hours of operation, necessary safety precautions and any other pertinent information.

(d) All incoming solid waste shall be confined to the designated storage area.

(e) Solid waste shall be stored in conformance with s. NR 502.05.

(f) Dust shall be controlled in the unloading and charging areas.

(g) Permanent records shall be maintained including the weights of material incinerated, the quantity of resulting residue, hours of plant operation, combustion temperatures, residence time and other pertinent information.

(h) Appropriate fire-fighting equipment shall be available in the storage and charging areas and elsewhere as needed.

(i) Arrangements shall be made with the local fire protection agency to provide adequate emergency fire-fighting forces.

(j) Means of communication with emergency facilities shall be provided.

(k) Adequate equipment shall be provided and used to clean the waste storage, waste handling, waste charging, and ash handling areas as may be required in order to maintain the facility in a sanitary condition.

(L) The charging openings as well as all equipment throughout the plant shall be provided with adequate safety equipment.

(m) The incinerator shall be designed and operated such that it will not cause a nuisance because of the emission of noxious odors, gases, contaminants or particulate matter or exceed emission limitations established by state air management rules.

(n) Ash shall be disposed of at a solid waste facility licensed by the department to accept the material or be handled by an alternate method approved in writing by the department. Approval will be issued on a case-by-case basis after review of the information specified in sub. (6).

(o) All wastewater from the incinerator shall be discharged into a sanitary sewer or other system approved in writing by the department.

(p) Upon completion of construction of a new incinerator and at least 10 days prior to initial operation, the department shall be notified to allow inspection of the incinerator both prior to and during any performance tests and initial operation.

(q) Open burning of solid waste may not be conducted.

(r) An approved alternative method shall be used for solid waste disposal during any time that the incinerator is inoperable.

(s) The incoming waste shall be screened to eliminate unacceptable material from entering the facility such as hazardous waste, asbestos, explosive materials or other materials which may endanger operator safety.

(6) ASH CHARACTERIZATION. The owner or operator of an incinerator shall undertake a testing program as follows and submit the test results to the department:

(a) An ash testing program shall be completed within 60 days after construction and shake-down of the incinerator. Representative samples of both fly ash and bottom ash shall be tested for physical characteristics, bulk chemical composition, analysis using the appropriate leaching test and analysis using the toxicity characteristic leaching procedure as specified in s. NR 661.24. Sample collection methods, the number of tests, detection limits, and parameters to be tested for will be specified by the department.

(b) A long-term ash testing program shall be established. For the first year of operation, quarterly testing shall be performed using approved methods and procedures. Thereafter, annual sampling and testing shall be performed. At least one sample of bottom ash and one sample of fly ash, if the ashes are not mechanically combined, or one sample of combined bottom and fly ash, if the ashes are mechanically combined, shall be collected for the required testing. The department may specify an alternate testing program.

History: Cr. Register, January, 1988, No. 385, eff. 2-6-88; r. and recr. (1), renun. (4) and (5) to be (5) and (6), cr. (2) (c) and (4), Register, May, 1992, No. 437, eff. 6-1-92; cr. (2) (d), Register, May, 1995, No. 473, eff. 6-1-95; r. and recr. (1), (3), (4) (c), am. (2) (a) to (d), (4) (intro.), (d) to (g), (j), (5) (intro.), (a), (k), (n), (q), (6), (intro.), (a), (b), Register, June, 1996, No. 486, eff. 7-1-96; corrections in (2) (d), (6) (a) made under s. 13.92 (4) (b) 7., Stats., Register January 2011 No. 661.

NR 502.10 Air curtain destructors. (1) GENERAL. (a) No person may operate or maintain an air curtain destructor unless

the person complies with the general requirements specified in s. NR 502.04 and has obtained a plan of operation approval as specified in sub. (3) and an operating license from the department.

(b) Owners and operators of new or expanded air curtain destructors shall demonstrate compliance with the locational criteria listed in sub. (2).

(2) LOCATIONAL CRITERIA FOR AIR CURTAIN DESTRUCTOR FACILITIES. (a) Except as otherwise specified in this section, new or expanded air curtain destructor facilities may not be located in any of the following areas, unless an exemption has been granted under par. (b):

1. Within a floodplain.
2. Within 250 feet of any private water supply well, or within 1,200 feet of any public water supply well.
3. Within 250 feet of any navigable lake, pond or flowage.
4. Within 250 feet of any navigable river or stream.
5. Within 100 feet of land owned by a person other than the owner or operator of the facility, unless the facility is screened by natural objects, plantings, fences or other appropriate means so that it is not visible from the property boundary.
6. Within 1,000 feet of the nearest edge of the right-of-way of any state trunk highway, interstate or federal aid primary highway or the boundary of any public park or state natural area under ss. 23.27 (1) and 23.28 (1), Stats., unless the facility is screened by natural objects, plantings, fences or other appropriate means so that it is not visible from the highway, park or state natural area.

(b) The standards listed under par. (a) 2. to 6. do not apply to above ground self contained air curtain destructors. The department may grant exemptions from the requirements of par. (a) 2. to 6. only upon demonstration by the applicant of circumstances which warrant the exemptions. Exemption from compliance with par. (a) 1. may not be granted.

(3) PLAN OF OPERATION. No person may establish or construct an air curtain destructor or expand an existing air curtain destructor prior to obtaining approval in writing from the department of a plan of operation for the facility. The plan of operation shall include a design which complies with the design and operational requirements in sub. (4) and contains at a minimum the following:

- (a) Name, address and telephone number of the facility operator.
- (b) A description of the types, quantity and sources of material proposed to be burned, and anticipated frequency of burning.
- (c) Written consent to operate the facility from all adult residents and business owners within 1/4 mile of the burning pad, except that consent is not required from any person who was not an adult resident or proprietor at the time the facility was initially licensed by the department, unless that person is a successor in interest to a person who was an adult resident or proprietor at the time. If a resident or proprietor who previously consented to operation of the facility withdraws the consent in writing, the withdrawal is not effective until the end of the current license period for the facility.

(4) DESIGN AND OPERATIONAL REQUIREMENTS. No person may construct, operate or maintain an air curtain destructor except in conformance with all local burning regulations and permits, state air management rules, with any approved plan of operation and the following minimum requirements:

(a) The burning pit shall be constructed of a material which will result in a pit of permanent dimensions. Unconsolidated soils are not an acceptable material for construction of the burning pit. Maintenance shall be performed on the pit to keep its dimensions constant to keep the air curtain destructor operating properly.

(b) The burning pit floor shall be constructed in a manner which provides for proper drainage.

(c) The burning pit shall be oriented perpendicular to the prevailing wind with the plenum chamber and blower on the downwind side.

(d) The charging area shall be paved with the concrete pad for a distance of at least 10 feet from the edge of the burning pit and sloped away from the chamber. Adequate safety devices shall be provided to prevent loading equipment from falling into the burning pit.

(e) Only clean wood and brush may be burned in an air curtain destructor. Brush shall be burned only in conformance with s. 287.07, Stats.

(f) The stockpile of waste material shall be kept a minimum of 100 feet from the burner. The total amount of stockpiled waste shall be limited to the amount that can be burned in 5 days.

(g) Charging shall be done to prevent damage to the pit wall and floor.

(h) Waste shall be placed so that it does not extend above the burning pit or interfere with air circulation.

(i) Start-up shall be accomplished by using wood kindling material to ignite larger materials. Where sufficient quantities of wood kindling materials are unobtainable, other methods approved by the department in writing may be used.

(j) Burning may be conducted only during daylight hours. Quantities of materials to be burned shall be restricted to allow for complete burnout while the facility is attended.

(k) Fire-fighting equipment shall be kept at the facility in case of emergency. Arrangements shall also be made with the local government to provide fire protection. Fire breaks shall be provided for a distance of at least 100 feet from the air curtain destructor. Greater setbacks may be specified by the department.

(L) The burning pit shall be cleaned out on a regular schedule. Ashes may not be allowed to accumulate to a depth of greater than 3 feet. The department may specify a lesser depth.

(m) The air curtain destructor shall be surrounded by a fence with a lockable gate. The gate shall be kept locked when no attendant is on duty.

(n) An attendant shall be on duty at all times when the blower unit is in operation. All fires shall be extinguished when the blower unit is shut off.

(o) Warning signs shall be posted at intervals around the entire air curtain destructor installation notifying people to keep out of the area.

(p) A sign acceptable to the department shall be posted at the entrance to the operation which indicates the name, acceptable wastes, license number, the hours of operation, penalty for non-authorized use, necessary safety precautions and any other pertinent information.

(q) Surface water shall be diverted away from the active operating area, storage area and access areas.

(r) Ash resulting from the operation shall be disposed of at a facility approved by the department to receive such material.

(s) The facility shall be operated in a nuisance-free manner consistent with this chapter and in accordance with the state air management rules in chs. NR 400 to 499.

Note: Air curtain destructor facilities must obtain a burning permit during certain times of the year under s. 26.12, Stats., or may be required to obtain a burning permit from the township in which the burning will occur.

History: Cr. Register, January, 1988, No. 385, eff. 2-1-88; r. and recr. (1), (2), (3), am. (4) (intro.), (a), (e), (f), (h), (i), r. (4) (m), (n), (5), r. (4) (m), (n), (5), rn. (4) (o) to (u) to be (4) (m) to (s) and am. (4) (n), (p), (s), Register, June, 1996, No. 486, eff. 7-1-96; CR 05-020; am. (2) (a) 6., Register January 2006 No. 601, eff. 2-1-06.

NR 502.11 Woodburning facilities and open burning. (1) **GENERAL.** (a) Unless exempt under sub. (2), owners and operators of woodburning facilities shall comply with the general requirements in s. NR 502.04, comply with the design and operational requirements in sub. (5), and obtain a plan of operation approval as specified in sub. (4) and an operating license from the department.

(b) Unless exempt under sub. (2), owners and operators of new or expanded woodburning facilities shall demonstrate compliance with the locational criteria in sub. (3).

(2) **EXEMPTIONS.** The following woodburning facilities are exempt from licensing and all requirements of this section, although a burning permit from the department may still be required during certain times of the year in counties within a forest fire control area. These exempt facilities may not burn wet combustible rubbish, garbage, oily substances, asphalt, plastic or rubber products, unless these substances are exempt under s. NR 429.04.

(a) Burning of trees, limbs, stumps, brush or weeds, except for yard waste, as a result of agricultural or silvicultural activities, if the burning is conducted on the property where the waste is generated.

(b) Burning of trees, limbs, stumps, brush or weeds, except for yard waste, as a result of clearing or maintenance of highway, railroad or utility rights-of-way and other land clearing operations, if the burning is conducted on the property where the waste is generated.

(c) Burning existing structures for practice and instruction of fire fighters or testing of fire fighting equipment. If the burning includes a building, a demolition notification shall be submitted to the air management program of the department. Asphalt shingles and asphalt and plastic siding shall be removed from structures unless they are considered necessary to the fire practice. All material containing asbestos shall be removed in compliance with ch. NR 447. Ash from the burned structure shall be disposed of, when cool, in a landfill approved by the department. The department may approve alternate ash disposal sites if groundwater and surface water quality will not be affected.

(d) Burning of yard waste and small quantities of dry combustible household rubbish, including paper, cardboard and clean untreated wood from a single family or household, on property where it is generated, unless prohibited by local ordinance.

(e) In emergency situations such as natural disasters, brush and other yard waste can be disposed in a landfill or burned without energy recovery, with approval from the department.

(f) One time burning of dry, unpainted and untreated wood, stumps, trees and brush in conformance with s. 287.07, Stats. Department staff shall be notified prior to the burn to obtain concurrence that the burn is in accordance with this provision and that the amount of this wood to be burned on a one time basis and the rate of burning comply with state air management rules in chs. NR 400 to 499.

Note: Woodburning facility license requirements do not apply to backfires set by fire control personnel to aid in controlling forest fires or fires set for forest, wildlife habitat or grassland management purposes.

(3) **LOCATIONAL CRITERIA.** (a) Except as otherwise specified in this chapter, new or expanded woodburning facilities may not be located in any of the following areas, unless an exemption is granted under par. (b):

1. Within a floodplain.
2. Within 250 feet of any private water supply well, or within 1,200 feet of any public water supply well.
3. Within 250 feet of any navigable lake, pond or flowage.
4. Within 250 feet of any navigable river or stream.
5. Within 100 feet of land owned by a person other than the owner or operator of the facility, unless the facility is screened by natural objects, plantings, fences or other appropriate means so that it is not visible from the property boundary.
6. Within 1,000 feet of the nearest edge of the right-of-way of any state trunk highway, interstate or federal aid primary highway or the boundary of any public park or state natural area under ss. 23.27 (1) and 23.28 (1), Stats., unless the facility is screened by natural objects, plantings, fences or other appropriate means so that it is not visible from the highway, park or state natural area.
7. Within 10,000 feet of any airport runway used or planned to be used by turbojet aircraft or within 5,000 feet of any airport runway used only by piston type aircraft or within other areas where a substantial hazard to aircraft would be created.

8. Within 1/4 mile of any residence unless a written consent is obtained from all adult residents within 1/4 mile of the burning pad.

9. Within the limits of fill of an existing or abandoned landfill.

(b) The department may grant exemptions to par. (a) 2. to 7. only upon demonstration by the applicant of circumstances which warrant the exemptions. Exemptions from compliance with par. (a) 1., 8. and 9., may not be granted.

(4) PLAN OF OPERATION. No person may establish or construct a woodburning facility or expand an existing woodburning facility prior to obtaining approval in writing from the department of a plan of operation for the facility. Unless otherwise approved by the department in writing, the plan of operation shall include a design which complies with the design and operational requirements in sub. (5) and contains at a minimum the following:

(a) Name, address and telephone number of facility operator.

(b) A description of the types, quantity and sources of material proposed to be burned, and anticipated frequency of burning.

(c) Written consent from all adult residents and business owners within 1/4 mile of the burning pad, except that consent is not required from any person who was not an adult resident or proprietor at the time the facility was initially licensed by the department, unless that person is a successor in interest to a person who was an adult resident or proprietor at the time. If a resident or proprietor who previously consented to operation of the facility withdraws the consent in writing, the withdrawal is not effective until the end of the current license period for the facility.

(5) DESIGN AND OPERATIONAL REQUIREMENTS. No person may construct, operate or maintain a woodburning facility except in conformance with all local burning regulations and permits, state air management rules in chs. NR 400 to 499, any approved plan of operation and the following minimum requirements:

(a) All burning shall be done on a burning pad or pit constructed of concrete, compacted gravel, compacted mineral soil or other materials approved in writing by the department. A fire-break of mineral soil scraped free of vegetation for a minimum distance of 100 feet around the burning pad or pit shall be constructed. Greater setback distances may be required by the department.

(b) Only dry, unpainted and untreated wood, stumps or trees may be burned at a woodburning facility. Brush shall be burned only in conformance with s. 287.07, Stats.

(c) Waste material may be placed or stored on the burning pad, but may not exceed the amount of wood that can be burned in one day in conformance with ch. NR 445. Any additional accumulation of waste material shall be stockpiled a minimum of 100 feet from the burning pad. The total amount of stockpiled waste shall be limited to the amount that can be burned in 5 calendar days.

(d) Start-up shall be accomplished by using wood kindling material to ignite larger materials. Where sufficient quantities of wood kindling materials are unobtainable, other methods approved by the department in writing may be used.

(e) Burning shall be conducted only during daylight hours.

(f) Fire-fighting equipment shall be kept at the facility in case of emergency, unless the services of a local fire protection agency are arranged.

(g) The burning pad shall be surrounded by a fence with a lockable gate. The gate shall be kept locked when no attendant is on duty.

(h) An attendant shall be on duty at all times when burning is taking place. All fires shall be extinguished before the attendant leaves the facility. The fire shall be actively tended and maintained to promote complete combustion, ensure good fuel-flame contact and burndown.

(j) A sign acceptable to the department shall be posted at the entrance to the operation which indicates the facility name,

acceptable wastes, license number, the hours of operation, penalty for unauthorized use, necessary safety precautions and any other pertinent information.

(k) Storm water shall be diverted away from the burning pad, storage area and access areas.

(L) Ash resulting from the operation shall be disposed of at a facility approved by the department to receive that material.

(m) The facility shall be operated in a nuisance-free manner.

Note: Woodburning facilities must obtain a burning permit during certain times of the year under s. 26.12, Stats., or may be required to obtain a burning permit from the township in which the burning will occur.

History: Cr. Register, January, 1988, No. 385, eff. 2-1-88; r. and recr., Register, June, 1996, No. 486, eff. 7-1-96; CR 05-020: am. (3) (a) 6. Register January 2006 No. 601, eff. 2-1-06.

NR 502.12 Yard, farm, food residuals and source-separated compostable material composting facilities.

(1) GENERAL. No person may operate or maintain a composting facility for yard residuals, farm crop residue, farm animal manure, animal carcasses, food residuals including vegetable food residuals, or source-separated compostable material except in accordance with the requirements of this section or s. NR 243.15 (8).

Note: Pursuant to s. NR 243.15(8), the Department may choose to regulate composting facilities associated with livestock operations that are subject to the requirements of ch. NR 243 under that operation's Wisconsin Pollution Discharge Elimination System permit instead of under s. NR 502.12. Facilities for composting waste types other than yard residuals, farm crop residue, farm animal manure, animal carcasses, food residuals or source-separated compostable materials are regulated under s. NR 502.08. Local ordinances may apply to facilities regulated under this section.

(2) HOUSEHOLD EXEMPTION. Facilities for composting only source-separated compostable material from a single family or household, a member of which is the owner, occupant or lessee of the property where the facility is located, are exempt from all requirements of this chapter, provided the facility is operated in a nuisance-free and environmentally sound manner.

(3) LIMITED EXEMPTION FOR SOURCE-SEPARATED COMPOSTABLE MATERIAL COMPOSTING FACILITIES WITH CAPACITY OF 50 CUBIC YARDS OR LESS. Facilities for composting source-separated compostable materials that do not exceed 50 cubic yards at one time, including collected raw materials and compost being processed but excluding finished compost, are exempt from the requirements specified in s. NR 502.04 (2) to (6), locational criteria, plan of operation submittal, licensing and all other requirements of this chapter provided the following are met:

(a) The performance standards specified in s. NR 502.04 (1) and the minimum operational standards specified in sub. (10).

(b) The facility is operated in a nuisance-free and environmentally sound manner.

(4) LIMITED EXEMPTION FOR FARM CROP RESIDUE OR MANURE COMPOSTING FACILITIES. Facilities for on site composting of farm crop residue or manure, except deer or elk manure, directly from agricultural operations are exempt from the requirements of s. NR 502.04 (2) to (6), locational criteria, plan of operation submittal, licensing and all other requirements of this chapter, provided all of the following requirements are met:

(a) The performance standards in s. NR 502.04 (1).

(b) The facility is operated in a nuisance-free and environmentally sound manner.

(c) All the farm crop residue and manure composted are generated from agricultural operations either under common ownership, common management or located adjacent to each other, and the composting occurs on the property of one of these agricultural operations.

(d) The compost is utilized for agricultural landspreading, at the same farm or at another farm, in accordance with s. NR 518.04 (1) (b) or (i).

(e) Source-separated compostable material other than farm crop residue and manure may be accepted from off site for use in the composting process if the following requirements are met:

1. The locational criteria in sub. (8), unless the offsite material consists exclusively of yard material, clean chipped wood, or both.

2. The minimum operational and design standards in subs. (10) and (11).

3. The recordkeeping requirements of sub. (15) (a) 3. and the discharge inspection requirements in sub. (15) (a) 4.

4. The combined volume of farm crop residue, farm animal manure, and source-separated compostable material on site at one time may not exceed 10,000 cubic yards, including collected raw materials and compost being processed but excluding finished compost. The volume of food residual inputs to the composting process may not exceed 25 percent of the total combined volume of raw material inputs. Inputs shall be mixed to achieve an initial carbon to nitrogen ratio of at least 20 to 1.

Note: Composting facilities that accept manure or are located at a livestock operation may be subject to additional state requirements in chs. NR 151 and 243 and in ch. ATCP 51, as well as local regulations for manure storage and shoreland and floodplain zoning. Public distribution of the compost may be regulated by the department of agriculture, trade and consumer protection (DATCP). Other local ordinances may apply to facilities regulated under this section. The following landspreading operations are exempt under s. NR 518.04 (1) (b), (h) and (i), respectively, provided the material is applied as a soil conditioner or fertilizer in accordance with accepted agricultural practices and the facility is operated and maintained in a safe, nuisance-free manner:

- Farms on which only nonhazardous agricultural residuals resulting from the operation of a farm, including farm animal manure, are landspread.
- Landspreading of uncomposted yard residuals.
- Landspreading of composted source-separated compostable material.

(5) LIMITED EXEMPTION FOR ON SITE FARM ANIMAL CARCASS COMPOSTING FACILITIES. Facilities for on site farm composting of animal carcasses other than deer or elk are exempt from the requirements in s. NR 502.04 (2) to (6), locational criteria, plan of operation submittal, licensing and all other requirements of this section, provided they are in compliance with s. 95.50 (1), Stats., and all of the following:

- (a) The performance standards in s. NR 502.04 (1).
- (b) The minimum operational and design standards in subs. (10) and (11), excluding the size reduction requirements in sub. (10) (c).
- (c) Only animal carcasses, farm animal manure, farm crop residue, yard residuals and clean chipped wood are composted at the facility.
- (d) All the farm wastes composted are generated from agricultural operations either under common ownership, common management or located adjacent to each other, and the composting occurs on the property of one of these agricultural operations.
- (e) The compost is utilized for agricultural landspreading, at the same farm or at another farm, in accordance with s. NR 518.04 (1) (b) or (i), except that compost made using ruminant animal carcasses may not be utilized at another farm.

(f) If yard residuals or clean chipped wood are accepted from off site, the following requirements shall be met:

1. The yard residuals or clean chipped wood shall be mixed with farm wastes to increase the carbon to nitrogen ratio and porosity of the composting process.
2. The combined volume of animal carcasses, farm animal manure, farm crop residue, yard residuals and clean chipped wood on site at one time may not exceed 10,000 cubic yards, including collected raw materials and compost being processed but excluding finished compost.

(6) LIMITED EXEMPTION FOR YARD RESIDUALS COMPOSTING FACILITIES. Facilities for composting yard residuals and clean chipped wood that do not exceed 20,000 cubic yards at one time, including raw materials and compost being processed, but excluding finished compost, are exempt from the requirements in s. NR 502.04 (3) (c), (4), (5), and (6), plan of operation submittal and all other requirements of this chapter, provided all of the following requirements are met:

(a) The performance standards and closure requirements in s. NR 502.04 (1) and (3) (a) and (b).

(b) For new or expanded facilities, compliance with the locational criteria in sub. (8). New or expanded facilities with a capacity greater than 1,000 cubic yards shall comply with the initial site inspection requirements in s. NR 502.04 (2).

(c) The minimum operational and design standards in subs. (10) and (11), the recordkeeping requirements of sub. (15) (a) 3., the discharge inspection requirements in sub. (15) (a) 4., and the reporting requirements in sub. (15) (b).

(d) An operating license for the facility is issued by the department.

(e) The compost is applied to land, either on site or off site, in accordance with s. NR 518.04 (1) (i), or is otherwise used for horticultural, landscaping, or erosion control purposes.

(7) LIMITED EXEMPTION FOR SOURCE-SEPARATED COMPOSTABLE MATERIAL COMPOSTING FACILITIES OF 5,000 CUBIC YARDS OR LESS. Facilities for composting source-separated compostable material that exceed 50 cubic yards but do not exceed 5,000 cubic yards at one time, including raw materials and compost being processed, but excluding finished compost, are exempt from the requirements in s. NR 502.04 (3) (c), (4), and (5) and subs. (12) and (14), and the monitoring requirements of sub. (15) (a) 1. and 2., provided all of the following requirements are met:

(a) The performance standards and closure requirements in s. NR 502.04 (1) and (3) (a) and (b).

(b) For new or expanded facilities, the initial site inspection requirements in s. NR 502.04 (2) and the locational criteria in sub. (8).

(c) The minimum operational and design standards in subs. (10) and (11), the plan submittal requirements in sub. (13), the recordkeeping requirements of sub. (15) (a) 3., the discharge inspection requirements in sub. (15) (a) 4., and the reporting requirements in sub. (15) (b).

(d) An operating license for the facility is issued by the department.

(e) For facilities that use animal manure as a raw material, the testing requirements of sub. (15) (a) 1.

(f) The compost is utilized for landspreading applied to land, either on site or off site, in accordance with s. NR 518.04 (1) (i), or is otherwise used for horticultural, landscaping, or erosion control purposes.

(8) LOCAL CRITERIA FOR COMPOSTING FACILITIES. (a) Unless exempt under sub. (2), (3), (4), or (5) from compliance with locational criteria, new or expanded compost facilities regulated under this section may not be located in any of the following areas unless an exemption has been granted in writing by the department under par. (c):

1. Within a floodplain.
2. Within 5 feet of the seasonal high groundwater table.
3. Within 250 feet of any private water supply well, or within 1,200 feet of any public water supply well.
4. Within 250 feet of any navigable river or stream.
5. Within 1,000 feet of the nearest edge of the right-of-way of any state trunk highway, interstate or federal aid primary highway or the boundary of any public park or state natural area under ss. 23.27 (1) and 23.28 (1), Stats., unless the facility is screened by natural objects, plantings, fences or other appropriate means so that it is not visible from the highway, park or state natural area.
6. Within 10,000 feet of any airport runway used or planned to be used by turbojet aircraft or within 5,000 feet of any airport runway used only by piston type aircraft or within other areas where a substantial bird hazard to aircraft would be created. This criterion is applicable only when the facility will be used for handling putrescible waste.

(b) In addition to the restrictions in par. (a):

1. Facilities exempt under sub. (6) or (7) may not be located within 250 feet of any navigable lake, pond, or flowage, or within 100 feet of land owned by a person other than the owner or operator of the facility.

2. Facilities not exempt under sub. (2), (3), (4), (5), (6), or (7) may not be located within 500 feet of any navigable lake, pond, or flowage, or within 250 feet of land owned by a person other than the owner or operator of the facility.

(c) The department may grant exemptions from par. (a) 2. to 6. only upon demonstration by the applicant of circumstances which warrant the exemption. Exemption from compliance with par. (a) 1. may not be granted.

Note: Compost facilities associated with livestock operations that are required to have a wastewater discharge permit under the Wisconsin Pollution Discharge Elimination System and that handle manure, animal feed or other agricultural materials may be subject to additional locational requirements in chs. NR 151, NR 243 or ATCP 51.

(10) MINIMUM OPERATIONAL STANDARDS FOR COMPOSTING FACILITIES. Unless exempt under sub. (2) or (4), no person may operate or maintain a composting facility regulated under this section except in accordance with the following minimum operational requirements:

(a) Raw materials accepted for composting shall be source separated at the point of generation so that they have not been mixed or otherwise contaminated with nonapproved waste types, particularly materials which are not readily compostable. Prior to incorporation into the composting process, the raw materials shall be sorted as needed to ensure that materials which are not readily compostable are removed unless alternate operational methods are used in conjunction with equipment to produce a compost product virtually free of physical and chemical contaminants.

Note: Compost product which contains physical or chemical contaminants such as plastic, glass, metal scraps or regulated concentrations of heavy metals or organic compounds, may require controlled disposal under an approved landspreading plan or at a landfill.

(b) Raw materials in noncompostable bags shall be debagged within 24 hours of receipt at the facility. Raw materials, other than leaves and brush, in compostable bags shall be processed such that the contents of the bags are exposed to air within 24 hours of receipt at the facility. Stored waste shall be managed in accordance with the requirements applicable to the composting process. The following operational standards shall also be met for the wastes specified:

1. Grass clippings and food residuals from canned, frozen or preserved fruit or vegetable processing operations shall be incorporated into windrows or another composting process within 72 hours of receipt at the facility, unless odor becomes a problem at the facility in which case these materials shall be incorporated within 24 hours.

2. Animal carcasses, fish harvesting and processing residuals, manure and food residuals which are not from canned, frozen or preserved fruit or vegetable processing operations shall be incorporated into windrows or another composting process on the same operating day as received at the facility. Upon initial incorporation of these residuals, composting windrows or piles shall be covered with a minimum 6 inch layer of compost, high carbon material such as wood chips, or other suitable material to control odor and vectors.

3. All animal carcasses and food residuals shall be managed to prevent access by dogs and wild animals.

(c) Compost raw materials shall be size reduced if necessary to provide adequate particle surface area for effective composting.

(d) Materials within the composting process shall be thoroughly mixed as appropriate to the composting method and aerated as frequently as necessary. Windrow height, structure and porosity shall be designed and maintained to ensure that adequate oxygen is available at all times within the windrow or pile to prevent the process from becoming anaerobic.

Note: To maintain aerobic composting and prevent odor, aeration is needed whenever the process temperature rises to 150°F or more. Windrows consisting primarily

of leaves and wood waste are likely to require turning at least monthly from spring through fall.

(e) Materials shall be mixed into the composting process to provide a minimum initial carbon to nitrogen ratio of 20:1.

Note: For aerobic composting, the optimum carbon to nitrogen ratio ranges from approximately 20:1 to 40:1.

(f) Maximum windrow size and minimum windrow spacing shall match the capability and requirements of the equipment utilized at the facility.

(g) Material within the composting process shall be wetted as needed to control dust and maintain a moisture content conducive to efficient composting.

Note: For aerobic composting, the optimum moisture content is 50 to 60% by weight.

(h) Materials resulting from composting shall be:

1. Stabilized to reduce pathogenic organisms and to ensure that the materials do not reheat upon standing.

2. Free of sharp particles which could cause injury to persons handling the material.

3. Free of toxins and pathogens in amounts or concentrations that could cause detrimental impacts to public health or the environment.

Note: Pathogens are defined in ch. NR 204 as "disease causing organisms, including but not limited to certain bacteria, protozoa, viruses and viable helminth ova." Appropriate methods for pathogen reduction during composting are specified in 40 CFR, Part 257, Appendix II, Section B:

1. For in-vessel or static aerated pile composting, maintain a continuous minimum temperature of 55°C, or 131°F, for a minimum of 3 consecutive days.
2. For windrow composting, attain a minimum temperature of 55°C, or 131°F, on a minimum of 15 days, which are not required to be consecutive, and turn the windrow a minimum of 5 times during the high temperature periods.

(i) Compost product storage time shall be minimized to maintain the quality of the compost and the product shall be marketed as necessary to prevent excessive stockpiling.

(j) The facility shall be operated in a nuisance-free and environmentally sound manner.

Note: Landspreading of composted leaves, grass, brush and other source-separated compostable material is exempt from department landspreading regulations under s. NR 518.04 (1) (i) provided the material is applied as a soil conditioner or fertilizer in accordance with accepted agricultural practices and the facility is operated and maintained in a safe, nuisance-free manner. Public distribution of the compost may be regulated by the department of agriculture, trade and consumer protection (DATCP).

(11) MINIMUM DESIGN STANDARDS FOR COMPOSTING FACILITIES. Unless exempt under sub. (2) or (3), no person may construct or maintain a composting facility regulated under this section except in accordance with the following minimum design standards:

(a) Run-off from the composting area shall be discharged to a gently sloping vegetated area of sufficient size to prevent erosion and any discernible confined and discrete discharge of liquids or suspended solids to surface water or wetlands from the composting area.

(b) Slope, vegetation and surface water containment ditches, retention basins, compost berms or socks and other best management practices shall be used at the facility as needed to minimize erosion, prevent pollutant discharges from storm water runoff and maintain diffused surface drainage.

(c) Composting shall take place on an area sloped sufficiently to prevent ponding, and measures such as berms or ditches shall be used to prevent storm water run-on.

(d) If inspections performed under sub. (15) (a) 4. indicate improvements in storm water controls are needed to meet the requirements of pars. (a) through (c), the owner and operator of the facility shall make the needed improvements as soon as practicable and update the storm water pollution prevention plan, if applicable.

Note: Under ch. NR 216, new or expanding facilities with one acre or more of land disturbance are required to obtain a construction site storm water permit. In addition, the department may require a composting facility to obtain an industrial storm water discharge permit if it does not maintain compliance with a separate department permit or approval which includes storm water control requirements that are at least as stringent as those required under ch. NR 216, resulting in the discharge of pollutants to

waters of the state or constituting a significant contribution of pollutants to the waters of the state.

(e) The overall composting facility shall be of sufficient size to allow processing of materials as necessary to avoid nuisance conditions, and shall have adequate room for material stockpiles, windrows of manageable dimensions for maintaining aerobic conditions, curing piles, staging of finished compost, and equipment.

Note: Composting facilities that accept manure or are located at a livestock operation may be subject to additional state requirements in chs. NR 151 and 243 and in ATCP 51, as well as local regulations for manure storage and shoreland and floodplain zoning. Other local ordinances may apply to facilities regulated under this section.

(12) ADDITIONAL OPERATIONAL AND DESIGN STANDARDS FOR NONEXEMPT COMPOSTING FACILITIES. Unless exempt under sub. (2), (3), (4), (5), (6), or (7), new or expanded composting facilities regulated under this section shall comply with the following additional operational and design standards:

(a) All run-off that contacts materials being composted or raw materials staged for composting shall be managed as leachate and shall be directed to either a collection basin or a tank. Leachate may be used in the composting operation for moisture addition. All other leachate shall be treated at an onsite or offsite wastewater treatment facility permitted to accept it.

(b) All composting, and all storage of uncomposted raw materials other than leaves, clean chipped wood, clean sawdust and other raw materials with initial carbon to nitrogen ratios greater than 30:1 shall take place on a low-permeability pad constructed of asphalt, concrete, recompacted clay or other material approved by the department.

(c) At a minimum, the leachate collection capacity shall be designed for a 25 year, 24 hour storm event as defined in s. NR 205.05.

(13) PLAN SUBMITTAL REQUIREMENTS FOR NONEXEMPT AND CERTAIN EXEMPT COMPOSTING FACILITIES. Unless the facility is exempt under sub. (2), (3), (4), (5), or (6), applicants for all new or expanded composting facilities regulated under this section shall submit a plan of operation report and obtain department approval of the plan of operation report prior to construction of the new or expanded facility. Unless an exemption is granted by the department in writing, the plan shall be submitted in accordance with s. NR 500.05, except that facilities exempt under sub. (7) need not comply with s. NR 500.05 (4). The plan shall provide a design which complies with subs. (10), (11), and, as applicable, (12), and contain the following minimum information:

(a) The location of the property where the facility is proposed to be located.

(b) A brief description of the project, including the area served, an estimate of the annual tonnage and volume of material to be processed and identification of the materials to be used in the compost process.

(c) A description and drawing of the proposed facility, including location and size of windrows, or other composting process, on site traffic and process flow, the property boundaries, routes to transport feedstocks and finished compost to and from the facility and present land use within 1/4 mile of the facility.

(d) A description of the procedures for processing the material prior to incorporation into the windrow, or other composting process, such as de-bagging or size reduction.

(e) For each raw material proposed to be composted, either laboratory or literature data documenting the carbon, nitrogen, and moisture content and pH.

(f) A proposed raw material mix for composting, with calculations or laboratory data documenting the carbon, nitrogen, and moisture content and pH of the mix.

(g) A specification of the maximum size, including volume, height and width, for staging piles, composting windrows or other composting processes, curing piles, and finished compost storage. If the materials on site at any one time will exceed 40,000 cubic

yards of yard residuals and clean chipped wood, 10,000 cubic yards of source-separated compostable materials other than yard residuals and clean chipped wood, or 5,000 cubic yards of food residuals, an estimate of closure costs shall be provided with the plan of operation report, and prior to licensure, proof of financial responsibility in accordance with ss. NR 520.06 through 520.13 shall be provided for the closure costs, including the removal, transport and ultimate disposal of all waste material and compost at the site.

(h) A specification of the methods of measuring critical parameters within the windrow and other composting processes, and a description of methods that will be used to ensure the critical parameters are met. Critical parameters addressed shall include carbon to nitrogen ratio, temperature, moisture content, oxygen content, pH and stability. The specification shall describe methods to be used for maintaining aerobic conditions during the composting process, including turning equipment and frequency for passive ventilation, and equipment and residence time for mechanical ventilation, as well as actions to be taken in response to odors and composting process upsets.

(i) A description of the type of vehicles used for transporting feedstocks and finished compost to and from the facility, and a description of the type of equipment for turning or mixing and screening.

(j) A discussion of potential markets for the compost and material specifications necessary to be met for these markets, such as nutrient content, pH, particle size, appearance, moisture holding capacity or other pertinent specifications.

(k) Identification of any noncompostable waste, such as bags, which will be generated from the composting operation, and the name and location of solid waste disposal facilities at which any waste generated from the composting operation will be disposed of.

(L) Specification of the design, construction and documentation to be used for the low permeability pad, including materials, thicknesses and testing.

(m) A description of the planned sampling frequency and testing parameters for the finished compost.

(n) A storm water pollution prevention plan that meets the requirements of s. NR 216.27.

(o) Identification of local zoning and permit requirements that apply to the proposed facility.

Note: Under ch. NR 216, new or expanding facilities with one acre or more of land disturbance are required to obtain a construction site storm water permit.

(p) Proposed procedures for amending the plan in the event changes to the approved plan are needed.

(14) CONSTRUCTION DOCUMENTATION FOR NONEXEMPT COMPOSTING FACILITIES. (a) For facilities other than those exempt under sub. (2), (3), (4), (5), (6), or (7), the department may require owners and operators of new or expanded composting facilities regulated under this section to submit a construction documentation report to the department and obtain department approval of the construction documentation report prior to operation of the facility.

(b) Unless an exemption is granted by the department in writing, the construction documentation report shall be prepared in accordance with the department's plan approval and the requirements in s. NR 500.05. The construction documentation report shall be approved by the department prior to obtaining a license and prior to accepting waste at the facility.

(15) MONITORING, RECORDKEEPING AND REPORTING. (a) Unless exempt under sub. (2), (3), (4), (5), (6), or (7), owners and operators of composting facilities regulated under this section shall complete monitoring and reporting in accordance with the plan of operation approval and the following requirements:

1. Samples of the finished compost that is ready for sale, distribution or use shall be collected every 2,000 tons or 4,000 cubic yards, with a minimum of one sample per year, or, alternatively,

in accordance with the testing frequency specified by the United States Composting Council's Seal of Testing Assurance program, unless a different frequency is approved in writing by the department, and tested for the parameters in Tables 1 and 2.

Note: Only class A compost under sub. NR 502.12 (16) is subject to the limits in Tables 1 and 2. "Test Methods for Evaluation of Compost and Composting" (2002) and a list of laboratories certified under the Seal of Testing Assurance program are available from the United States Composting Council, 5400 Grosvenor Lane, Bethesda, Md 20814 (301) 897-2715, www.compostingcouncil.org.

a. Samples shall be collected, handled and analyzed in accordance with methods listed in "Test Methods for Evaluation of Compost and Composting" published in 2002 by the United States Composting Council or other methods approved in writing by the department. Samples shall be tested at a laboratory certified under the United States Composting Council's Seal of Testing Assurance program or at another laboratory approved in writing by the department.

Note: "Test Methods for Evaluation of Compost and Composting" (2002) and a list of laboratories certified under the Seal of Testing Assurance program are available from the United States Composting Council, 15400 Grosvenor Lane, Bethesda, Md 20814 (301) 897-2715, www.compostingcouncil.org.

b. Test results shall be made available upon request to the department, potential users of the compost, and to the general public.

2. Unfiltered leachate samples shall be taken from the collection basin or tank, and tested quarterly for the first 4 quarters and annually thereafter for BOD₅, COD, field pH, field conductivity corrected to 25°C, nitrate+nitrite-nitrogen, and total dissolved solids.

3. Compost pile turning frequency and temperature readings as appropriate to the composting method used shall be documented and maintained to demonstrate pathogen reduction and odor control activities.

4. The facility shall be visually inspected by the owner or operator quarterly to evaluate storm water discharge quality and performance of discharge controls, and twice per year to identify non-storm water discharges if present.

(b) Unless exempt under sub. (2), (3), (4), or (5), the owner or operator of a composting facility regulated under this section shall prepare and submit an annual report to the department by March 1 on forms supplied by the department. The annual report shall include at least the following information:

1. Name and address of the facility.
2. Calendar year covered by the report.

3. Annual quantities and types of raw materials received and compost produced, in tons. Tonnage estimates may be based on volume records where scale weights are not available.

4. Annual quantity of compost sold, distributed or used, in tons, and quantity of class A compost sold, distributed or used.

5. Copies of laboratory analyses of composted material.

6. Any additional information required as a condition of the plan of operation approval.

Note: Copies of the annual reporting form may be obtained from the department of natural resources, bureau of waste and materials management, 101 South Webster Street, P.O. Box 7921, Madison, Wisconsin 53707-7921, (608) 266-2111, DNRwastematerials@wisconsin.gov, or online at <http://dnr.wi.gov/topic/Recycling/regs.html>.

(16) CLASS A COMPOST. Finished compost may be designated and distributed as class A compost if it meets all of the following requirements:

(a) The compost is composed entirely of materials meeting the definition of "source-separated compostable materials" in s. NR 500.03 (219m).

(b) The compost is produced by one of the processes to reduce pathogens described in subd. 1. to 3., with temperature and retention time monitored and recorded each day until the temperature and retention time criteria are met:

1. Windrow method consisting of an unconfined composting process utilizing periodic aeration and mixing. Aerobic conditions shall be maintained during the composting process. A temperature of 55°C, or 131°F, shall be maintained in the windrow for at least fifteen days. The windrow shall be turned at least five times during the high-temperature period.

2. Mechanically aerated static pile method consisting of an unconfined composting process utilizing mechanically forced aeration of insulated compost piles. Aerobic conditions shall be maintained during the composting process. The temperature of the compost pile shall be maintained at a continuous minimum of 55°C, or 131°F, for at least three consecutive days.

3. In-vessel method consisting of a confined compost process utilizing mechanical mixing of compost under controlled conditions. The minimum retention time in the vessel shall be 72 hours with the temperature maintained at 55°C, or 131°F.

(c) The compost is tested in accordance with sub. (15) (a) 1. a. and b.

(d) The compost does not exceed any of the limits specified in Tables 1 or 2.

Table 1.
Test parameters for nonexempt facilities and class A compost

Parameter	Limit for class A compost (mg/kg dry weight)
Arsenic	12
Cadmium	6.1
Chromium	120
Copper	400
Lead	95
Mercury	1.2
Molybdenum	15
Nickel	49
Selenium	4.9
Zinc	820
Physical contaminants	less than 1 percent
Fecal coliform	Either 1,000 MPN/g of total solids (dry wt) fecal coliform or 3 MPN/4g of total solids (dry wt) salmonella
Salmonella	

Table 2.
Maturity and stability testing for nonexempt facilities and class A compost

Characteristic	Test procedure	Limit for class A compost
Maturity (both methods)	Carbon:Nitrogen ratio	10 – 20:1
	Seedling emergence and vigor bioassay	Indices above 80%
Stability (one of the following methods)	Respirometry (carbon dioxide evolution)	Up to 5 mg CO ₂ -C/g volatile solids/day
	Dewar self-heating test	0 – 20°C temperature rise
	Solvita test	Index value 6 or greater

History: Cr. Register, January, 1988, No. 385, eff. 2-1-88; r. and recr., Register, June, 1996, No. 486, eff. 7-1-96; CR 05-020: am. (8) (a) 7. and (9) (a) 7. Register January 2006 No. 601, eff. 2-1-06; CR 10-128: am. (title), (1) (intro.), r. (1) (a) to (f), am. (2), (3) (title), (intro.), (a), (4) (title), (intro.), (c), (e) (intro.), r. and recr. (4) (e) 1. to 3., cr. (4) (e) 4., am. (5) (title), (intro.), (b), (c), (d), (e), (f) (intro.), 1., 2., (6) (title), (intro.), (b), (c), (e), (7) (title), (intro.), (a), (b), (c), r. and recr. (7) (e), (f), am. (8) (title), (a) (intro.), r. (8) (a) 4., 6., renum. (8) (a) 5., 7., 8. to be 4., 5., 6., r. and recr. (8) (b), cr. (8) (c), r. (9), am. (10) (intro.), (a) to (e), (h) 1., 3., (11) (intro.), (a), (b), r. and recr. (11) (d), cr. (11) (e), am. (12) (a), (b), (13) (title), (intro.), (b), (e), (f), (g), (h), (k), cr. (13) (m), (n), (o), (p), am. (14) (a), r. and recr. (15), cr. (16), r. and recr. Table 1 and Table 2 Register May 2012 No. 677, eff. 6-1-12.

NR 502.13 Municipal solid waste combustors.

(1) GENERAL. (a) No person may operate or maintain a municipal solid waste combustor unless the person complies with the requirements in s. NR 502.04 and obtains a plan of operation approval under sub. (3) and an operating license from the department.

(b) Owners and operators of new or expanded municipal solid waste combustor facilities having a design capacity of greater than 100 tons per day shall provide proof of financial responsibility for closure prior to licensure. Closure costs shall include the costs of removal, transport and ultimate disposal of wastes.

(c) Owners and operators of new or expanded municipal solid waste combustor facilities shall demonstrate compliance with the applicable locational criteria listed in sub. (2).

(2) LOCATIONAL CRITERIA. (a) No person may establish, construct or expand a municipal waste combustor within the following areas, except as otherwise specified within this chapter.

1. Within a floodplain.
2. Within 250 feet of any private water supply well, or within 1,200 feet of any public water supply well.

(b) Exemptions from the requirements of par. (a) 2. may be granted only upon demonstration by the applicant of circumstances which warrant the exemptions. Exemptions from compliance with par. (a) 1. may not be granted. The department may impose additional locational criteria if there is a significant potential for the facility to cause environmental pollution as defined in s. 299.01 (4), Stats., nuisance conditions or bird hazard to aircraft.

(3) PLAN OF OPERATION. No person may establish, construct or operate a municipal solid waste combustor or expand an existing facility prior to obtaining approval in writing from the department

of a plan of operation for the facility. The plan of operation for the municipal solid waste combustor shall provide a design which complies with the operational requirements in sub. (4) and contain, at a minimum, the following:

(a) A map or aerial photograph of the area showing land use and zoning within 1/4 mile of the site. The map or aerial photograph shall be of sufficient scale to show all homes, industrial buildings, roads and other applicable details and the details shall be identified and indicated on the map or aerial photograph.

(b) A plot plan of the municipal solid waste combustor site including means of limiting access such as fencing, gates, natural barriers; methods of acceptably screening the facility from the surrounding area; general layout of equipment and flow pattern; road access; and location of existing and proposed utilities serving the municipal solid waste combustor.

(c) A report which shall include the following information:

1. The legal description of the property where the municipal solid waste combustor will be located.
2. Population, area and facilities to be served by the municipal solid waste combustor.
3. Anticipated type and quantity of waste to be handled by the municipal solid waste combustor.
4. Persons responsible for the municipal solid waste combustor operations.
5. Methods of treating or disposing of any liquid wastes or waste waters resulting from the operation of the combustor.

(d) A description of appurtenances and procedures intended to store refuse beyond the end of the working day and to control dust, odors, fire outside the burning chamber and windblown materials.

(e) A description of methods of volume reduction including compaction, compression, baling, shredding, grinding, tamping, separating or classifying.

(f) A description of daily clean up procedures.

(g) A description of municipal solid waste combustor inspection and maintenance schedule and procedures.

(h) Detailed drawings and specifications of all structures, equipment and site.

(i) A report which includes furnace design criteria and expected performance data.

(j) Identification of the site at which the residue will be disposed and alternative sites available for use when the primary site is inoperative.

(k) For all new or expanded facilities, the plan of operation shall also include:

1. The name of the emergency fire-fighting unit that will respond to fire calls at the facility.

2. A discussion of the anticipated sequence of required events for facility closure.

3. A detailed analysis in accordance with ch. NR 520 of the financial responsibility for facility closure. This shall include an itemized cost estimate for phased and final facility closure. All assumptions used in developing the cost estimates shall be justified.

Note: Municipal solid waste combustors must also have the air management permits required under s. 285.60, Stats.

(4) OPERATIONAL REQUIREMENTS. No person may operate or maintain a municipal solid waste combustor except in conformance with the following minimum requirements, unless an exemption is granted by the department in writing:

(a) The municipal solid waste combustor shall be situated, equipped, operated and maintained in a nuisance-free manner.

(b) Adequate shelter and sanitary facilities shall be available for facility personnel.

(c) A sign shall be prominently posted at the entrance to the facility which indicates name, license number, hours of operation, necessary safety precautions and any other pertinent information.

(d) All incoming solid waste shall be confined to the designated storage area.

(e) All solid waste, except residue, shall be stored in conformance with s. NR 502.05 (5) or (6).

(f) Dust shall be controlled in all waste handling areas.

(g) Permanent records shall be maintained in accordance with sub. (7).

(h) Appropriate fire-fighting equipment shall be available in the storage and charging areas and elsewhere as needed.

(i) Arrangements shall be made with the local fire protection agency to provide adequate emergency fire-fighting forces.

(j) Means of communication with emergency facilities shall be provided.

(k) Adequate equipment shall be provided and used to clean the waste storage, waste handling, waste charging, and ash handling areas as may be required in order to maintain the plant in a sanitary condition.

(L) The charging openings as well as all equipment throughout the plant shall be provided with adequate safety equipment.

(m) The municipal solid waste combustor shall be designed and operated so that it will not cause a nuisance because of the emission of noxious odors, gases, contaminants or particulate matter or exceed emission limitations established by state air management rules in chs. NR 400 to 499.

(n) Residue shall be disposed of at a solid waste facility licensed by the department to accept the material or be handled by an alternate method approved in writing by the department. Approval shall be issued on a case-by-case basis after review of the information contained in sub. (6).

(o) All wastewater from the combustor shall be discharged into a sanitary sewer or other system approved in writing by the department.

(p) Upon completion of construction of a new municipal solid waste combustor and at least 10 days prior to initial operation, the department shall be notified to allow inspection of the combustor both prior to and during any performance tests and initial operation.

(q) Open burning of solid waste may not be conducted.

(r) An approved alternative method shall be used for solid waste disposal during any time that the municipal solid waste combustor is inoperative.

(s) The incoming waste shall be screened to eliminate unacceptable material from entering the municipal solid waste combustor such as hazardous waste, asbestos, explosive materials or other materials as defined in sub. (9).

(t) Residue storage at the municipal solid waste combustor shall be in accordance with the following:

1. The residue shall be wetted at all times during storage to prevent dust emissions. The facility may use alternative methods of dust control that are approved by the department prior to implementation. Provisions shall be made to prevent the release of residue into the air in the residue handling areas.

2. The storage area shall have an impervious surface on which the residue is stored and a collection system for any liquids coming into contact with the residue. All liquid that comes into contact with the residue which is not used as makeup water in the quench tank shall be collected and treated at a wastewater treatment plant approved by the department.

3. Access to the temporary storage areas shall be restricted to authorized personnel only. Fencing or other means of control acceptable to the department shall be maintained around the storage facility.

(u) All treatment or mixing of residue shall be performed in a manner which controls air and water emissions.

(v) Treatment or mixing of residue at a facility other than at the municipal solid waste combustor shall require a processing license under s. NR 502.08.

(5) RESIDUE SAMPLING. (a) The owner or operator shall collect representative samples of residues produced by burning municipal solid waste for characterization required in sub. (6). The samples shall be collected over a minimum one-week period every quarter within 2 weeks of March 15, June 15, September 15 and December 15, except as provided in par. (f). Minimum 2 gallon volume samples shall be obtained hourly by a procedure approved by the department. The hourly samples shall be composited daily. Each daily sample shall then be composited together at the end of the testing period to result in a minimum of one representative sample. Compositing shall be performed in a manner acceptable to the department.

(b) Unless the residues are mixed as part of an internal, mechanical process, air pollution control equipment residue samples shall be collected separately from bottom-ash samples. If the mixing is part of an internal mechanical process, then the sampling shall be performed after the residue is mixed. If an ash treatment process occurs at the municipal solid waste combustor, then the sample shall be collected after treatment.

(c) For a municipal solid waste combustor where the compositing methods established in par. (a) would be impractical, alternatives may be approved by the department.

(d) An adequate volume of each representative composite sample to be tested shall be retained to allow for confirmatory testing if any of the levels established under sub. (6) (g) are exceeded.

(e) In addition to the routine quarterly sampling required in par. (a), representative samples shall be collected within 2 weeks of initial startup and shakedown, and after any significant changes in plant design, operation or waste input, if the changes are expected to cause an increase or decrease in the number or concentrations of the residue parameters listed in sub. (6), Table 1. The operator shall identify, and submit to the department, the changes made and the anticipated effect the changes will have on the residues.

(f) An operator of a municipal solid waste combustor that has a design capacity of less than 10 tons per day shall:

1. Collect representative samples over a minimum one-week period every year within 2 weeks of June 15.

2. Collect representative samples quarterly to test for the 8 heavy metal parameters listed in sub. (6) (g) and within the 2 weeks of initial startup and shakedown and after any significant changes in plant design, operation or waste input, if the changes are expected to cause an increase or decrease in the number or concentrations of the listed parameters in the residue. The operator shall identify, and submit to the department, the changes made and the anticipated effect the changes will have on the residues. The sample volume collected and compositing procedures shall comply with par. (a).

3. Comply with all of the other provisions of this section.

(6) RESIDUE CHARACTERIZATION. (a) An operator of a municipal solid waste combustor with a design capacity of 10 tons per day or greater shall test its residue quarterly the first year after an approval has been issued. After the first year of quarterly testing the residues shall be tested on an annual basis, except as provided in par. (m). The testing program listed in Table 1 shall be applied to all samples collected as required by sub. (5) (a) to (d). The department may require dioxin and furan testing, if circumstances warrant. Test results shall be submitted to the department with the annual report specified under sub. (8).

(b) An operator of a municipal solid waste combustor with a design capacity of less than 10 tons per day shall:

1. Test residue samples collected under sub. (5) (f) in accordance with the testing program in par. (g).

2. Test its residue annually beginning the first June after an approval has been issued using the testing program listed in Table 1 for all samples collected under sub. (5) (f). The department may require dioxin or furan testing, if circumstances warrant.

3. Submit test results to the department with the annual report specified under sub. (8).

4. Comply with all of the other provisions of this section.

(c) A leachate sample from the monofill where the residue is disposed of may be substituted for the synthetic precipitation leaching procedure, EPA Method 1312, after the initial 4 rounds of testing. The leachate sample shall be tested for all of the parameters listed in Table 1, Section III, unless a reduction in the number of parameters tested for has been approved by the department. The municipal solid waste combustor using the leachate substitute shall be responsible for the testing. If significant levels of any of the listed parameters are detected in the leachate tested from a monofill that receives multiple sources of residue, the department may require all contributing municipal solid waste combustors to perform leach testing of their residue using EPA Method 1312.

Note: Method 1312 is in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA Publication SW-846, third edition, November 1986, as amended by Updates I in July 1992, II in September 1994, IIA in August 1993, IIB in January 1995, IIC in December 1996 and IIIA in April 1998. The test methods are available at no cost at www.epa.gov/epaoswer/hazwaste/test/main.htm. Copies of the test methods may be obtained from the superintendent of documents, U.S. government printing office, P.O. Box 371954, Pittsburgh, PA 15250-7954, (866) 512-1800, www.gpoaccess.gov. Copies may also be obtained from the National Technical Information Service, U.S. department of commerce, 5285 Port Royal Road, Springfield, VA 22161, (800) 553-6847, www.ntis.gov. Copies of the test methods are available for inspection at the offices of the department of natural resources, legislative reference bureau and the secretary of state.

(d) The operator of the municipal solid waste combustor may apply to the department at the end of the initial 4 rounds of testing for elimination of those parameters listed in Table 1, Section II which do not appear in its residues at significant levels.

(e) The provisions of this subsection do not supersede the testing requirements for the 8 heavy metal parameters listed in par. (g) using the toxicity characteristic leaching procedure, EPA Method 1311.

(f) During the scheduled testing period, if any parameter in the bulk analysis is not detected at or above the specified detection limits, then that parameter may be eliminated from further leach testing for that test period.

(g) An operator of a municipal solid waste combustor shall test its residue for the parameters listed in this paragraph quarterly and

within 2 weeks of completing initial startup and shakedown, and after any significant changes in plant design, operation or waste input that significantly affects or changes the residue characteristics by using the toxicity characteristic leaching procedure, EPA Method 1311. Multiple samples may be tested separately and the results combined to obtain an arithmetic mean for each parameter. The operator shall immediately notify the department if test results indicate that any of the following limits are exceeded:

Note: Method 1311 is in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA Publication SW-846, third edition, November 1986, as amended by Updates I in July 1992, II in September 1994, IIA in August 1993, IIB in January 1995, IIC in December 1996 and IIIA in April 1998. The test methods are available at no cost at www.epa.gov/epaoswer/hazwaste/test/main.htm. Copies of the test methods may be obtained from the superintendent of documents, U.S. government printing office, P.O. Box 371954, Pittsburgh, PA 15250-7954, (866) 512-1800, www.gpoaccess.gov. Copies may also be obtained from the National Technical Information Service, U.S. department of commerce, 5285 Port Royal Road, Springfield, VA 22161, (800) 553-6847, www.ntis.gov. Copies of the test methods are available for inspection at the offices of the department of natural resources, legislative reference bureau and the secretary of state.

1. Arsenic (As)	5.0 mg/l
2. Barium (Ba)	100.0 mg/l
3. Cadmium (Cd)	1.0 mg/l
4. Chromium (Cr)	5.0 mg/l
5. Lead (Pb)	5.0 mg/l
6. Mercury (Hg)	0.2 mg/l
7. Selenium (Se)	1.0 mg/l
8. Silver (Ag)	5.0 mg/l

Note: Copies of these test procedures can be obtained from the department of natural resources, bureau of waste management, 101 S. Webster Street, Madison, Wisconsin 53707. Copies of these test methods are also available for inspection at the offices of the legislative reference bureau and the secretary of state. Personal copies can be obtained from the U.S. environmental protection agency, office of solid waste, 401 M Street SW, Washington D.C. 20460.

(h) If any of the limits in par. (g) are exceeded, the operator may elect to complete confirmatory testing on the retained sample within 2 weeks of receiving the initial results. If the operator elects to perform the confirmatory testing, only the constituents exceeding the limits will require testing.

(i) If any of the limits in par. (g) are exceeded and confirmatory testing under par. (h) is not completed, or if the test results of par. (h) confirms the exceedance of the limits for the parameters listed in par. (g), the residue may be treated to reduce leachable constituents below the threshold values, prior to disposal, or the residue shall be managed in accordance with chs. NR 660 to 679 until a significant change to the facility design, operation or waste input can be demonstrated which produces consistent test results that meet the specified limits.

(j) If a significant change to the waste input can be demonstrated, the operator shall confirm this change by completing confirmatory testing of one new sample taken in accordance with sub. (5). In cases where the contributing waste input cannot be isolated, consistent test results meeting the specified limits shall be obtained from monthly testing according to the requirements of par. (g) for a minimum of 3 months. Only the constituents exceeding the limits in par. (g) will require retesting under this provision.

(k) If none of the limits in par. (g) are exceeded or the confirmatory testing defined in par. (h) is below the specified limits in par. (g), the residue may be disposed of in a single composite lined monofill in accordance with the provisions of s. NR 504.11 (2) (a). In cases where limits in par. (g) were exceeded during initial testing, but were not exceeded in the confirmatory testing, additional testing in accordance with par. (g) shall be performed monthly for a minimum of 3 months to confirm that the initial exceedances were not representative of the residue characteristics. Only the constituents exceeding the limits require retesting under this provision. If there are any exceedances during this 3 month period, the residue shall be managed in accordance with the provisions of chs. NR 660 to 679.

(L) All treated residue shall be tested according to the requirements of this section.

(m) The department may require different testing frequency and parameters, if circumstances warrant.

Table 1. Parameters and Detection Limits

I. Toxicity Characteristic Leaching Procedure EPA Method 1311: (quarterly)					
Arsenic (As)	0.05	mg/l	Barium (Ba)	1.0	mg/l
Cadmium (Cd)	0.01	mg/l	Chromium, Total (Cr)	0.05	mg/l
Lead (Pb)	0.05	mg/l	Mercury (Hg)	0.002	mg/l
Selenium (Se)	0.01	mg/l	Silver (Ag)	0.05	mg/l
II. Bulk chemical analysis:					
Aluminum (Al)	0.1	mg/kg	Antimony (Sb)	1.0	mg/kg
Arsenic (As)	0.5	mg/kg	Barium (Ba)	5.0	mg/kg
Boron (B)	1.0	mg/kg	Cadmium (Cd)	0.5	mg/kg
Calcium (Ca)	1.0	mg/kg	Chromium, Total (Cr)	0.4	mg/kg
Iron (Fe)	0.1	mg/kg	Lead (Pb)	0.6	mg/kg
Magnesium (Mn)	0.02	mg/kg	Mercury (Hg)	0.04	mg/kg
Potassium (K)	0.01	mg/kg	Selenium (Se)	0.6	mg/kg
Silver (Ag)	1.0	mg/kg	Sodium (Na)	1.0	mg/kg
Zinc (Zn)	2.0	mg/kg	Total Organic Carbon (TOC)	1.0	mg/kg
			Total Organic Halogen (TOX)	0.25	mg/kg
III. Synthetic Precipitation Leaching Procedure EPA Method 1312.					
A. All of the parameters detected in the bulk chemical analysis, reported in mg/l.					
Note: Methods 1311 and 1312 are in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA Publication SW-846, third edition, November 1986, as amended by Updates I in July 1992, II in September 1994, IIA in August 1993, IIB in January 1995, III in December 1996 and IIIA in April 1998. The test methods are available at no cost at www.epa.gov/epaoswer/hazwaste/test/main.htm . Copies of the test methods may be obtained from the superintendent of documents, U.S. government printing office, P.O. Box 371954, Pittsburgh, PA 15250-7954, (866) 512-1800, www.gpoaccess.gov . Copies may also be obtained from the National Technical Information Service, U.S. department of commerce, 5285 Port Royal Road, Springfield, VA 22161, (800) 553-6847, www.ntis.gov . Copies of the test methods are available for inspection at the offices of the department of natural resources, legislative reference bureau and the secretary of state.					
B. Alkalinity	1.0	mg/l	Chemical Oxygen Demand (COD)	5.0	mg/l
Chloride	4.0	mg/l	Fluoride	4.0	mg/l
pH	0.1	units	Specific Conductance	10.0	mhos/cm
Sulphate	1.0	mg/l	Total Dissolved Solids (TDS)	5.0	mg/l
Total Hardness	1.0	mg/l			
IV. Physical test:					
Dry Bulk Density			Percent Combustible		
Moisture Content as Generated			Grain Size Analysis:		
			Sieve test		
			Hydrometer test		

(7) RECORD KEEPING. Operators of municipal solid waste combustor facilities shall maintain a record at the facility available for inspection by department staff during normal business hours. Records shall be compiled on a monthly basis, at a minimum. The department may approve alternative record-keeping programs. The following shall be included in the records:

(a) The hours of plant operation, combustion temperatures and residence time.

(b) The weight of material coming into the facility.

(c) The weight of material rejected by the facility and where it was sent. Where exact weights are not available, estimates shall be made of the weight of rejected hazardous waste, lead-acid batteries, the material sent to a recycler and the material sent to a landfill.

(d) The weight of residue produced and where it was sent. Where exact weights are not available, the volume of residue produced shall be recorded.

(e) A list of the states of origin of solid waste accepted at the facility in the previous year and the amount, by weight, originating in each state.

(f) The recording person's initials and the date of each entry.

(8) ANNUAL REPORT. (a) The facility operator shall compile and submit to the department the records defined in sub. (7) as an annual report.

(b) The report shall cover the calendar year and be submitted no later than April 1 of the following year.

(c) The annual report shall include the results of all testing required under sub. (6) for the previous year.

(9) WASTE SCREENING. (a) The operator or designated agent of a municipal solid waste combustor shall screen the incoming waste to eliminate the materials identified in pars. (b) to (d), from entering the facility.

(b) The screening of materials from the combustion process may be accomplished at the facility or by the contributors of the waste from the area served by the facility that have an effective recycling program. Additional restrictions to waste acceptance for some facilities may exist as specified in s. 287.07, Stats. Alkaline batteries and similar heavy metal sources should not be accepted at municipal solid waste combustor facilities.

(c) Hazardous waste as defined by s. NR 660.10 (52) may not be accepted at a municipal solid waste combustion facility. This includes waste produced by small quantity generators. Household hazardous waste shall be excluded if separated from residential waste. Household hazardous waste may be accepted if not separated from residential waste.

(d) Major appliances, large metal objects, lead/acid batteries, building materials, and noncombustible furniture, office and farm equipment may not be fed into a municipal solid waste combustor.

(e) Waste oils may be burned only in compliance with state and federal regulations.

(10) WASTE SCREENING PLAN. The operator of a municipal solid waste combustion facility shall evaluate and submit to the department a waste screening and handling plan that contains the following:

- (a) Procedures for limiting the items listed in sub. (9) (c) and (d) from entering a combustor.
- (b) Identification of other items that will not be accepted by the combustor due to heavy metal content or other reasons.
- (c) Procedures for handling and disposing of screened items.
- (d) Procedures and authority for enforcement of its requirements.
- (e) The plan may include the effective recycling program

under s. 287.11, Stats., developed by each responsible unit or units served by the municipal solid waste combustor. Other waste reduction plans, such as medical waste reduction plans, may be included where appropriate.

(f) No municipal solid waste combustion facility may begin initial operation or continue operating unless a waste screening and handling plan under this section has been approved by the department.

(11) OPERATOR QUALIFICATIONS. The municipal solid waste combustion facility shall be operated by personnel meeting the operator qualification requirements established under s. 285.51, Stats.

History: Cr., Register, June, 1996, No. 486, eff. 7-1-96; CR 05-020: am. (6) (a), (b) 2., (c) and Table 1 Register January 2006 No. 601, eff. 2-1-06; corrections in (6) (i), (k), (9) (c) made under s. 13.92 (4) (b) 7., Stats., Register January 2011 No. 661.

APPENDIX B

ENVIRO-SAFE SOLID WASTE CLOSURE PLAN (AUGUST 14, 2012)



**Enviro-Safe Consulting, LLC.
Solid Waste Closure Plan (WDNR 502.04)
August 14, 2012**

Introduction

Enviro-Safe Consulting, LLC. (Enviro-Safe) provides environmental and safety compliance services and training programs. We also provide alternative reuse recycling services and will own and operate a solid waste transfer facility and recycling center, effective August of 2012. The transfer facility will be used for the transfer, storage and recycling of industrial byproducts. The physical address for this facility is located at W130 N10500 Washington Drive, Germantown, Wisconsin 53022. Operating permits and licenses from the Wisconsin Department of Natural Resources (WDNR) will include NR 502, NR 663, NR 673 and NR 679. The Village of Germantown conditional use permit also requires a completed Closure Plan.

The intent of this plan is to ensure that upon implementation, the solid waste transfer facility will be closed in manner that:

1. Minimizes the need for further maintenance,
2. Controls, minimizes or eliminates, to the extent necessary, threats to human health and the environment and post-closure escape of solid waste, solid waste constituents, leachate, contaminated rainfall, or waste decomposition products to the ground, surface waters, or to the atmosphere; and,
3. Compiles with the closure requirements of the WDNR and the Village of Germantown regulations.

The operation of the solid waste transfer facility is such that all solid waste will be pre-approved and brought into the warehouse predominately in non-bulk containers, typically 55 gallon drums and consolidated into larger containers. These larger containers will then be sent off site for various recycling programs. Because these recyclable materials will be containerized without releases to the environment, closure is expected to be clean, with no waste and waste constituents remaining at the facility. Therefore, it would be anticipated there would be no need for further maintenance of post-closure escape of solid waste, and for post-closure monitoring. In event a release to the environment occurs, this plan will be amended within thirty (30) days of such occurrence to include further maintenance of post-closure escape of solid waste and industrial by-product and post-closure monitoring, and submitted to the Village of Germantown Village Engineer for review and acceptance.



Facility Identification

Enviro-Safe Consulting, LLC.
W130 N10500 Washington Drive
Germantown, WI 53022
Washington County
Office: 262-790-2500
Fax: 262-790-2560

Facility Type

Enviro-Safe will operate a solid waste transfer facility for bulking / consolidation, staging / storage of recyclables. The applicable WDNR permits required for the operation of this facility are Solid Waste Transfer (NR 502), Hazardous Waste Transporters Permit (NR 663), Universal Waste (NR 673) and Used Oils (NR 679). Enviro-Safe will also manage qualified mixed flammable solvents with bulk storage capabilities.

Enviro-Safe will occupy a transfer facility on approximately a 3-acre parcel located at W130 N10500 Washington Drive in Germantown, Wisconsin. Operations at the facility include transportation, transfer, storage and recycling of non-hazardous waste and temporary 10-Day storage of hazardous waste, recycling of flammable hazardous materials, recycling of used oils and oily wastewaters and recycling of universal waste. This closure plan addresses the removal of all solid waste and flammable materials.

Attached is Floor Plan (Item #1 Floor Plan A-101), which identifies the designated storage areas for the solid waste materials and flammable storage areas. The tank farm contains two (2) 18,000 above ground storage tanks (AST) and is also identified on this floor plan for the bulk storage of flammable materials, and is located outside, just northeast of the building. There are eight areas on the floor plan designated for all of these materials. They are listed below:

1. Solid Waste Area 1 – Universal Waste – Northwest Corner in Storage Area # 124
2. Solid Waste Area 2 – Used Oils – Southwest Corner in Storage Area # 124
3. Solid Waste Area 3 – Solid Waste – (2) Center West Piles in Storage Area # 124
4. Solid Waste Area 4 – Solid Waste Load/Unload – Northeast Corner in Storage Area # 124
5. Hazardous Waste Area 5 – Hazardous Waste – Southeast Corner in Storage Area # 124
6. Flammable Materials Area 6 – Flammable Storage – Storage Area # 125
7. Flammable Materials Area 7 – Flammable Dispensing – Storage Area # 126
8. Flammable Materials Area 8 – Bulk Flammable ASTs – Outside of Building, Northeast Tank Farm



Notice to WDNR and Closure Schedule

Enviro-Safe shall follow the closure procedural requirements under the Solid Waste regulations of NR 502.04, which shall at a minimum, entail the following:

- (a) Within 5 calendar days after ceasing to accept waste and industrial by-product at the facility, remove all putrescible waste and industrial by-product and containerize, properly utilize or dispose of all other waste.
- (b) Within 60 days after ceasing to accept waste and industrial by-product at the facility.
 - (i) Remove all waste and industrial by-products,
 - (ii) Statistically wipe sample building and floor surfaces and analyze for residual contamination of wastes and industrial by-products; and,
 - (iii) If analyzes indicate that residual contamination exists, properly decontaminate building and floor surfaces and properly dispose of resulting rinseates and other associated decontamination materials.
- (c) Unless otherwise specified in a WDNR department issued approval, the following minimum requirements shall also be met by the owner or operator of a facility for which a plan of operation is required.

At least 60 days prior to beginning the final closure or any partial closure of the facility, Enviro-Safe shall notify the department and the Village of Germantown Village Engineer in writing of the intent to close or partially close the facility.

At least 60 days prior to ceasing to accept waste and industrial by-product at the facility for an extended period, the department and the Village of Germantown Village Engineer shall be notified in writing and a sign shall be posted in a prominent location notifying users of the date on which the facility will cease to accept waste and industrial by-product. In the case of ceasing to accept waste and industrial by-product for an extended period due to unplanned and unforeseeable circumstances, such as fire or equipment failure, department and Village of Germantown Village Engineer notification and sign posting shall be completed as soon as practical. Alternatives to posting a sign may be implemented with department concurrence for facilities which are not open to the general public.

Closure Costs

Enviro-Safe has addressed the financial requirements of the WDNR code NR 502.04 as well as the Village of Germantown's requirements. Under the WDNR code, it requires an estimated dollar amount for the removal of all solid waste based on the building being at full container capacity and that the material had to be sent for recycling or sent for proper disposal. The Village of Germantown in addition requires this estimate to include all of the flammable liquid materials. Listed below are the estimated costs for the removal of 70,840 gallons of material:

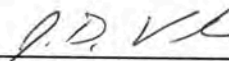


<u>Building Area</u>	<u>Volume</u>
Tank Farm	36,000 Gallons (2 ASTs @ 18,000 Gallons / Tank)
Area # 124	19,360 Gallons (352 Drums – Solid Waste Storage Warehouse Area)
Area # 124	1,400 Gallons (4 Totes – Solid Waste Storage Warehouse Area)
Area # 125	9,240 Gallons (168 Drums – Flammable Material Storage Area)
Area # 126	<u>4,840</u> Gallons (88 Drums – Flammable Material Dispensing Area)
	70,840 Gallons Total

The above items reference the overall maximum storage capacity of the building.

The estimated overall cost to remove all full containers referenced under NR 502.04 and all flammable liquids is to not exceed \$50,000.00. The Village of Germantown is beneficiary to the Irrevocable Standby Letter of Credit #5201203 with Spring Bank for \$50,000.00, which is in custody of the Village of Germantown Village Planner.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."



Jeffrey D. Vilione – President
Enviro-Safe Consulting, LLC.

Attachment:

Item #1- Floor Plan A-101 (Re: Figure 3 of SPCC Plan)

APPENDIX C

SOLID WASTE FACILITY INITIAL LICENSE OPERATION

Solid Waste Facility Initial License Application

Form 4400-088 (R 9/12)

Notice: Applicants are required to complete a separate application to obtain a license to operate each solid waste facility, under the provisions of s. 289.31, Wis. Stats. Failure to submit complete information as requested on this form shall be grounds for denial of the application. Personal information collected will be used for management of DNR programs. Wisconsin's Open Records law requires the Department to provide this information upon request [ss. 19.31 - 19.69, Wis. Stats.].

Leave Blank - DNR Use Only			
Date Received	Exp. Year	Check No.	Check Amt.
License No.	FID No.	Date License Issued	Completed By

Read instructions on reverse side before completing this form.

Facility Information

1. Name of Facility

Enviro-Safe Resource Recovery

2. Name of Property Owner

ESTATE
 JDV Realestate Holdings, LLC

4. Name of Licensee (Facility Operator)

Enviro-Safe Resource Recovery

6. Contact Person

Jeffrey D. Vilione

8. Street, Route or Box (mailing address)

W130 N10500 Washington Drive

10. City

Germantown

State

WI

11. ZIP Code

53022

3. Property Owner is (county, city, private, federal, tribal, etc.)

Private

5. Licensee is (county, city, private, federal tribal, etc.)

Private

7. Title

President

9. Telephone Number of Contact Person (include area code)

(262) 790-2500 Ext.

12. E-mail Address

jvilione@enviro-safe.com

13. Type of Facility (number codes are for Department tracking): (check the appropriate box)

Woodburning Facility (001)

Storage Facility (010)

Processing Facility (040)

SW Source Separated Compostable Material Composting < 5,000 cu yd (105)

SW Source Separated Compostable Material Composting > 5,000 cu yd (106)

SW Yard Residuals Composting < 20,000 cu yd (103)

SW Yard Residuals Composting > 20,000 cu yd (104)

Transfer Facility <100 ton/day (030)

Transfer Facility >100 ton/day (035)

Other _____

14. Facility Location	¼ / ¼ NW	¼ SE	Section	Township	Range	<input checked="" type="checkbox"/> E <input type="checkbox"/> W	County	# of Licensed Acres
			25	9 N	20		Washington	3.00

Address

W130 N10500 Washington Drive

Township

Germantown

Approved Waste Types (check all that apply)

Bark/Brush (W070)

Fly Ash (W280)

Source-Separated Compostable Materials (W745)

Refuse (W670)

Tires (W770)

Infectious Waste (W420) Other: industrial wastes

Garbage (W340)

Yard Waste (W800)

Paper Mill Sludge (W580)

Other: _____

Demolition (W220)

Foundry (W290)

Contaminated Soil (W180)

Other: _____

Service Area (list counties or check the statewide box)

Statewide

1. _____ 2. _____ 3. _____ 4. _____

5. _____ 6. _____ 7. _____ 8. _____

Solid Waste Facility Initial License Application

Form 4400-088 (R 9/12)

Page 2 of 2

Landfills and Other Facilities

15. Landfills and Other Facilities to which waste is taken (include DNR license number if known):

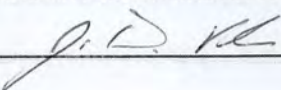
	Name	Location (City and State)	DNR License Number
1.	Covanta Energy	Indianapolis, IN	NA
2.	EQ Detroit	Detroit, MI	NA
3.			

16. Collection and Transportation Services Using Facility:

	Name	DNR License Number
1.	Enviro-Safe Resource Recovery	15810
2.		
3.		

Certification

I hereby certify that the information and attachments provided are true and complete.

Print Name	Signature of Authorized Contact Person	Title	Date Signed
Jeffrey D. Vilione		President	3/17/15

Instructions for Completing This Form

1. This form is to be used for initial licensing of Solid Waste Facilities except for solid waste landfills and transporters. Applicants for landfill licenses should use Form 4400-19, Landfill License Application, and applicants for solid waste transportation licenses should use Form 4400-179, Transportation License Application for Solid Waste Transporters.
2. Submit this application form, with the appropriate license fee, after you have received the plan of operation approval for your facility. See ch. NR 520, Wis. Adm. Code and Table 2 for more information.
3. All items may not apply to all types of facilities. Items that do apply must be completed, items that do not apply should be marked with "N/A".
4. Sign and date the form. Signature must be that of the authorized contact person: facility owner, corporation officer, municipal or county official, etc.
5. Your check or money order, payable to the Department of Natural Resources, must be attached. Please mail to the appropriate DNR regional office. Do not send to the Department office in Madison.
6. Any questions concerning solid waste licensing, or the completion of this form, should be directed to the Waste Management Specialist at your local DNR regional office.

**Enviro-Safe Resource Recovery Appendix
V-02 - WDNR Hazardous Waste - SQG
(US EPA ID No. WIR000142877)**



January 24, 2012

Enviro-Safe Consulting
Attn: Jeffrey D Vilione
19395 W Capitol Dr, Ste 201
Brookfield, WI 53045

DNR FID# 267193300
HW/CMEL

Dear Notifier:

Below you will find the United States Environmental Protection Agency (U.S. EPA) Identification (ID) number that has been assigned to your installation.

Based upon your submittal of EPA Form 8700-12, the activity at this site is a **Hazardous Waste Small Quantity Generator**

WIR000142877
ENVIRO-SAFE RECYCLING
W130 N10500 WASHINGTON AVE
GERMANTOWN

This ID number must be included on all shipping manifest(s) for transporting hazardous wastes and on all correspondence.

Please note the U.S. EPA number is site specific. If your installation changes locations, a new notification is required to obtain a new ID number. If your installation has changed ownership, a subsequent notification must be filed to allow the new owner to use this ID number.

When a change occurs to the information on the form, a subsequent notification must be filed using EPA's RCRA Subtitle C Site Identification Form 8700-12 to update our files before continuing use of the EPA ID#. Form 8700-12 and instructions are available at <http://www.epa.gov/reg5rcra/wptdiv/hazardous/notify.htm>.

If you should have any questions or need further assistance, please do not hesitate to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Heidi Jasso". The signature is fluid and cursive.

Heidi Jasso
Environmental Program Associate
Waste & Materials Management Program
SER – Milwaukee
414.263.8678

Cc John Schwabe, Sandy Miller and Ken Hein, DNR Waste Management Specialists

**Enviro-Safe Resource Recovery Appendix
V-03 - DOT Number (2322446)**



Confirmation Screen

USDOT Number:	2322446	Company Type:	CARRIER	Status:	ACTIVE
Legal Name:	ENVIRO-SAFE TRANSPORTATION LLC				
Physical Address:	W130 N10500 WASHINGTON DRIVE, GERMANTOWN, WI 53022				

Your Update to MCMIS has been received

Generate MCS-150 

In order to view PDF files, you will need the Adobe® Acrobat® Reader™, a plug-in available from Adobe Systems, Inc.
You may obtain this free plug-in at: <http://www.adobe.com/products/acrobat/readstep2.html>

June 30, 2022



**Enviro-Safe Resource Recovery Appendix
V-04 - DOT Hazardous Material
Registration**

**UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
PIPELINE AND HAZARDOUS MATERIALS SAFETY ADMINISTRATION**



**HAZARDOUS MATERIALS
CERTIFICATE OF REGISTRATION
FOR REGISTRATION YEAR(S) 2022-2023**

Registrant: ENVIRO-SAFE TRANSPORTATION, LLC.

ATTN: Robert Wiedenfeld
W130 N10500 WASHINGTON DR.
GERMANTOWN, WI 53022

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of 49 U.S.C. 5108. It is unlawful to alter or falsify this document.

Reg. No: 061322550039E Effective: July 1, 2022 Expires: June 30, 2023

HM Company ID: 163529

Record Keeping Requirements for the Registration Program

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

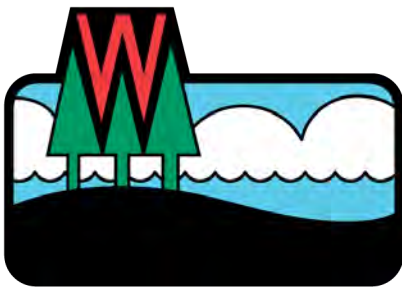
- (1) A copy of the registration statement filed with PHMSA; and
- (2) This Certificate of Registration

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U. S. Department of Transportation upon request.

Each motor carrier (private or for-hire) and each vessel operator subject to the registration requirement must keep a copy of the current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor or vessel (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, PHH-52, Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation, 1200 New Jersey Avenue, SE, Washington, DC 20590, telephone (202) 366-4109.

**Enviro-Safe Resource Recovery
Appendix V-05 - WDNR Solid Waste and/
or Recyclable Transportation Service
License (License #15810)**



**STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
TRANSPORTATION SERVICE LICENSE**

License Number: 15810

TRANSPORTATION SERVICE LICENSE

Solid Waste Transporter - General - Solid waste and/or recyclables

Truck Count: 6

Licensee Name: ENVIRO-SAFE CONSULTING LLC

Effective Date: October 01, 2021

Expiration Date: September 30, 2022

Facility Information

FID: 267193300

ENVIRO-SAFE RESOURCE RECOVERY

W130N10500 Washington Dr

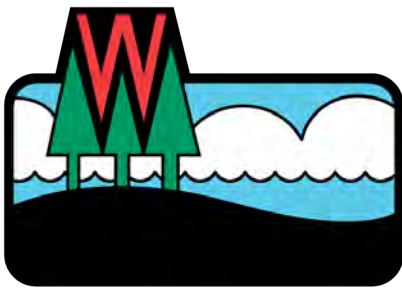
Germantown WI 53022

Washington County (67)

DNR Region: SE

This license authorizes the licensee to operate the transportation service described above during the term specified, and is subject to and conditioned upon compliance with the provisions of chapter 287, and 289, Wis. Stats., and chapters NR 500-590, Wis. Adm. Code. Any exemptions from the requirements of chapters NR 500-590, Wis. Adm. Code, issued for this service are listed above.

**Enviro-Safe Resource Recovery
Appendix V-06 - WDNR Hazardous
Waste Transport Service License
(License #15809)**



**STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE TRANSPORT SERVICE LICENSE**

License Number: 15809

HAZARDOUS WASTE TRANSPORT SERVICE LICENSE

Hazardous Waste Transporter - Hazardous Waste - PCB

Truck Count: 6

Licensee Name: ENVIRO-SAFE CONSULTING LLC

Effective Date: October 01, 2021

Expiration Date: September 30, 2022

Facility Information

FID: 267193300

EPA ID: WIR000142877

ENVIRO-SAFE RESOURCE RECOVERY

W130N10500 Washington Dr

Germantown WI 53022

Washington County (67)

DNR Region: SE

This license authorizes the licensee to operate the transport service described above during the term hereof except as modified by the Department. This license is subject to and conditioned on compliance with the provisions of chapters 291 and 292, Wis. Stats., all applicable hazardous waste requirements of chapters NR 660 to 679, Wis. Adm. Code, and the equipment operator qualifications in the U.S. Department of Transportation regulations in 49 CFR 177.816.

The Department may modify or revoke the license during its term, or its issuance or renewal may be denied for grievous and continuous failure of the licensee or equipment operator to comply with the provisions of chapters 291 and 292, Wis. Stats., or the applicable requirements of chapters NR 113, 204 or 660 to 679. This license does not convey any property rights of any sort, or any exclusive privileges. This license does not authorize entry or trespass upon the property of any person.

**Enviro-Safe Resource Recovery
Appendix V-07 - WDNR Infectious
Waste Transportation License
(License #16903)**



**STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
INFECTIOUS WASTE TRANSPORTATION LICENSE**

**License Number: 16903
INFECTIOUS WASTE TRANSPORTATION LICENSE**

Solid Waste Transporter - Infectious Waste

Truck Count: 6

Licensee Name: ENVIRO-SAFE CONSULTING LLC

Effective Date: October 01, 2021

Expiration Date: September 30, 2022

Facility Information

FID: 267193300

ENVIRO-SAFE RESOURCE RECOVERY

W130N10500 Washington Dr

Germantown WI 53022

Washington County (67)

DNR Region: SE

This license authorizes the licensee to operate the transportation service described above during the term specified, and is subject to and conditioned upon compliance with the provisions of chapter 287, and 299, Wis. Stats., chapters NR 500-590, Wis. Adm. Code. Any exemptions from the requirements of chapters NR 500-590, Wis. Adm. Code, issued for this service are listed above.

**Enviro-Safe Resource Recovery
Appendix V-08 - WDNR Storm Water
Industrial No Exposure Certification
(FIN No. 54508)**



February 2, 2021

Dawn Zellmer
ENVIRO-SAFE CONSULTING LLC
W130 N10500 Washington Drive
Germantown WI 53022

Subject: Industrial Storm Water No Exposure Certification for

Facility: Enviro-Safe Resource Recovery
Location: W130 N10500 Washington Drive, GERMANTOWN, WI
FIN: 54508

Dear Facility Representative:

The Department of Natural Resources (Department) has evaluated the No Exposure Certification for Exclusion from WPDES Storm Water Permitting (Form 3400-188) that you recently submitted, and has determined that your facility does not require coverage under an Industrial Storm Water Discharge Permit as specified in subchapter II of NR 216, Wis. Adm. Code. This determination is based upon the information provided by you for your facility on Form 3400-188 stating your belief that the facility qualifies for a “conditional no exposure exclusion” under s. NR 216.21(3), Wis. Adm. Code, and is contingent upon continued satisfaction of the conditions under s. NR 216.21(3), Wis. Adm. Code.

Please be advised that under s. NR 216.21(3)(b)4., Wis. Adm. Code, a No Exposure Certification must be submitted for this facility every five years to maintain the no exposure status with the Department. The **Effective Date** for the No Exposure Certification status is **February 02, 2021**. If the industrial operations change at the facility where industrial activities become exposed to storm water or if the Department determines facility discharges to be significant contributors of pollutants to the waters of the state, the facility may be required to obtain coverage under a General WPDES Industrial Storm Water Discharge Permit. If conditions change where industrial activities become exposed to storm water, it will be your responsibility to notify the Department of the change in the facility’s status.

The Department appreciates your pollution prevention efforts to eliminate sources of storm water contamination at the facility. If you have any questions concerning the contents of this letter, please contact Jamie Lambert at Jamie.Lambert@wisconsin.gov or (414) 263-8485.

Sincerely,

Jamie Lambert
Storm Water Management Specialist
Southeast Region

**Enviro-Safe Resource Recovery
Appendix V-09 - Village of
Germantown Conditional Use Permit
(CUP# 06-15)**

Village of



Germantown

July 23, 2015

JDV Real Estate Holdings LLC
Enviro-Safe Consulting LLC
W130 N10500 Washington Dr.
Germantown, WI 53022

CONDITIONAL USE PERMIT

The Village Board of the Village of Germantown at its meeting on July 6, 2015 granted your request for a Conditional Use Permit to allow the development and operation of facility used for the bulk storage and processing of flammable hazardous and non-flammable non-hazardous liquid and solid waste materials pursuant to Section 17.33(3)(a) and (b) of the Village's Zoning Code.

Enclosed is the original copy of the conditional use permit as approved by the Village Board. Please have the copy executed by **all** the appropriate officials (noting that each signature must be notarized) and return it to this office **within 30 days**. Upon receipt of the conditional use permit, I will have the document executed by the appropriate Village officials and recorded with the Register of Deeds in Washington County. I will then forward a recorded copy to you for your files. *The Conditional Use Permit **is not valid** until it has been signed and recorded. Please use **BLACK INK** when completing and signing the document.*

Please note that Section 17.42 (6) of the Municipal Code states that a conditional use permit shall lapse and be void unless the use granted is operational, or substantial construction required to implement such use has been commenced, within one year of the issuance of such permit unless a different time period is established by the Village Board.

If you have any other questions please feel free to call Planner Retzlaff at (262) 250-4735 or this office at (262) 250-4740.

Sincerely,

Timmerly Tamborino
Deputy Clerk

Enclosures

CUP #06-15

Document No.

CONDITIONAL USE PERMIT

Document Title

VILLAGE OF GERMANTOWN, WASHINGTON COUNTY, WISCONSIN
CONDITIONAL USE ZONING PERMIT

Whereas the Applicants:

JDV Real Estate Holdings LLC, Property Owner, Enviro-Safe Consulting LLC, and Enviro-Safe Resource Recovery, Operator

agree to comply with applicable Codes and Ordinances of the Village of Germantown, Wisconsin, and further agrees that all work done pursuant to the permission granted herewith will conform with the applications and drawings filed with and approvals granted by officials of the Village for the purpose of obtaining this permit.

Now, therefore, this permit is issued to the Applicants to permit the development and operation of facility used for the bulk storage and processing of flammable hazardous and non-flammable non-hazardous liquid and solid waste materials pursuant to Section 17.33(3)(a) and (b) of the Village's Zoning Code.

Name & Return Address:

**Village of Germantown
P.O. Box 337
Germantown, WI 53022**

Parcel Identification No:

GTNV 254-280

On the following described property located in the Village of Germantown, Washington County, Wisconsin:

Lot 33 of Certified Survey Map No. 6396, recorded February 22, 2011, in Volume 48 of Certified Survey Maps on Pages 195 to 199, as Document No. 1273968, being a re-division of Lot 25 of Certified Survey Map No. 6275, located in that part of the Southwest 1/4 and the Northwest 1/4 of the Southeast 1/4 of Section 25, Town 9 North, Range 20 East, in the Village of Germantown, County of Washington, State of Wisconsin.

Tax Key No: 254-280

Address: W130 N10500 Washington Drive

Pursuant to the following condition(s):

1. Subject to the additional allowances under Condition No. 8 herein, this permit authorizes the uses, activities and facilities set forth in the conditional use permit application dated March 14, 2011 and the supporting documents and plans made part of the application including: Responses to the requirements of Section 11.071 (dated 3-14-2011); MSI letter and attached Plan of Operation (dated March 14, 2011); the draft SPCC (dated March 2011); Enviro-Safe Consulting LLC "CUP Application Review" letter (dated March 30, 2010); Letter of Intent (dated March 11, 2011); and the site development and building plan set (dated 3-14-2011, unless otherwise revised by a subsequent plan set approved by the Village Planner pursuant to revisions required herein). All of the commitments made by the Applicant in the application and supporting documents cited herein are deemed conditions of approval. This approval includes the same uses and activities conducted in/as part of the proposed 12,573 sqft building expansion shown in the site development and building plans.

2. If the use, activities and/or operation subject of this permit falls out of conformity with the conditions herein, or where there is a change in the nature, character, intensity or extent of the permitted conditional use which causes special problems or harmful effects otherwise associated with the use to be no longer ameliorated or eliminated, or where conditions imposed were anticipated to ameliorate or eliminate harmful effects associated with the use but are insufficient to do so, or for similar cause based upon consideration for the public comfort, safety, and welfare, the conditional use permit may be terminated or modified by the Village Board by the amendment to or addition of conditions after public hearing thereon.
3. All business operations and activities conducted on the property and by Enviro-Safe while in the Village shall meet and continuously comply with the performance standards set forth in Zoning Code section 17.47, including, but not limited to odor, fire and explosive hazards, and water quality protection. In the event of a complaint substantiated by Village staff to the extent that a potential violation of or determination of non-compliance with one or more of the performance standards in Section 17.47 may have occurred or is occurring, the applicant shall be responsible for all costs for and resulting from the Village retaining a third party environmental expert capable of investigating and/or monitoring the site and operation. Said expert shall report its findings to the Village for subsequent use in investigating and enforcing said complaint or potential violation of the "performance standards" found in Section 17.47 of the Zoning Code.
4. The type and amount of material to be stored shall be limited to that which is proposed in the application materials including the documents referenced in Condition #1 herein. Any changes to the type, amount, location, and containers from that presented in the application materials and/or site development and building plans, or, any changes to the methods of storage, dispensing, mixing, or transportation activities shall be reported to the Village Planning Department. Modifications to the approved CUP and/or site and building plans or conditions of said approvals may be required by the Village at that time.
5. Enviro-Safe shall develop a closure plan the same as that which required for solid waste storage facilities under WDNR NR 502.04 and submit said plan to the Village Engineer for review and approval prior to issuance of an occupancy permit, including the submittal of a letter of credit or other financial guarantee acceptable to the Village that ensures removal and/or clean-up of remaining inventory can be accomplished by a third party environmental firm (if necessary) in the unanticipated event the business relocates from or ceases to exist in the Village.
6. The applicant is responsible for obtaining all applicable state, federal or other agency permits and approvals and continuously operating within the requirements and restrictions of said permits and approvals. Copies of all state and federal agency permits issued shall be provided to the Village Fire and Planning Department.
7. The overnight storage of hazardous and non-hazardous materials that are not in a protected controlled environment is prohibited.
8. All General, Operations and Reporting conditions of approval and requirements set forth in DNR approval letter dated April 20, 2015 are hereby adopted as conditions of approval for this conditional use permit.

Conditional Use Permit (CUP) #06-15

JDV Real Estate Holdings LLC/Enviro-Safe Consulting LLC/Enviro-Safe Resource Recovery

Village of Germantown, Germantown, Wisconsin

Page 3 of 4

Granted by the Village Board of the Village of Germantown, Washington County, Wisconsin on the 6th day of July, 2015.

Dean M. Wolter

Dean M. Wolter, Village President

ATTEST:

Barbara K. D. Goeckner
Barbara K. D. Goeckner, Village Clerk

STATE OF WISCONSIN) SS
WASHINGTON COUNTY)

Personally came before me this 9th day of July, 2015, the above named Dean M. Wolter, Village President, and Barbara K. D. Goeckner, Village Clerk, to me known to be the persons who executed the foregoing instrument and acknowledged the same.

Jilline Dobratz
{type or print name of Notary on this line}

Jilline Dobratz
{signature of Notary on this line}



Notary Public, State of Wisconsin
My Commission Expires: 5-21-19

Conditional Use Permit (CUP) #06-15

JDV Real Estate Holdings LLC/Enviro-Safe Consulting LLC/Enviro-Safe Resource Recovery
Village of Germantown, Germantown, Wisconsin
Page 4 of 4

ACCEPTANCE OF TERMS AND CONDITIONS BY APPLICANT

I, Jeff Vilione, authorized representative for Enviro-Safe Consulting LLC, Enviro-Safe Resource Recovery and JDV Real Estate Holdings LLC, hereby accept the terms and conditions set forth in this Permit, and realize that non-adherence to the terms and conditions as stated hereon may result in the revocation of this Permit by the Village of Germantown under Section 17.42 Germantown Municipal Code.

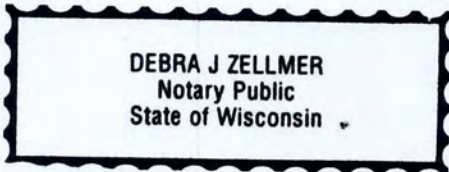
Dated this 30 day of JULY, 2015

JEFFREY D. VILIONE
{type or print name above}

J.D. VR
Signature

STATE OF WISCONSIN) SS
Washington COUNTY)

Personally came before me this 30th day of July, 2015, being the above named Jeffrey D. Vilione, to me known to be the person who executed the foregoing instrument and acknowledged the same.



Debra J. Zellmer
{type or print name of Notary on this line}
[Signature]
{signature of Notary on this line}

Notary Public, State of Wisconsin
My Commission Expires: 8/28/16

This instrument was drafted by:
Jeffrey W. Retzlaff, AICP
Community Development Director/Zoning
Administrator
Village of Germantown, Wisconsin

CONDITIONAL USE PERMIT AMENDMENT

6/8/15 Plan Commission Meeting

Enviro-Safe Consulting LLC / JDV Real Estate Holdings, LLC

Village Planner Report

Germantown, Wisconsin

Summary

Jeff Vilione, agent for JDV Real Estate Holdings LLC, property owner, and Enviro-Safe Resource Recovery & Enviro-Safe Consulting LLC, is seeking approval of an amendment to Conditional Use Permit #3-11 to include non-hazardous solid waste processing to the list of recycling activities allowed in the existing Enviro-Safe facility located at W130 N10500 Washington Drive in the Germantown Business Park.

Property Location: W130 N10500 Washington Drive

Applicant/

Property Owners:

Jeff Vilione
Enviro-Safe Consulting
W218 N5469 Taylors Woods Dr
Menomonee Falls, WI 53051

Current Zoning: M-1: Limited Industrial

Adjacent Land Uses		Zoning
North	Industrial	M-1
South	Industrial	M-1
East	Industrial	M-1
West	Industrial	M-1



Background

Enviro-Safe Resource Recovery is a multi-disciplinary environmental, safety and resource management and recovery company. Currently, of the services Enviro-Safe provides transportation, collection, bulking (repackaging) and overall recycling services of flammable, combustible, hazardous and non-hazardous liquids, solvents and solid wastes that are redirected to other users in an alternative reuse program.

In May, 2011, the Village Board granted CUP #3-11 (copy attached) that permits Enviro-Safe to operate a facility for the bulk storage of flammable hazardous and non-hazardous liquid materials in the M-1: Limited Industrial Zoning District.

Proposal

Jeff Vilione, agent for Enviro-Safe Resource Recovery & Enviro-Safe Consulting LLC, is seeking approval of an amendment to CUP #3-11 to include non-hazardous solid waste processing to the list of recycling activities allowed in the facility.

Under their existing DNR License #4564, Enviro-Safe operates a non-hazardous solid waste transfer station. Enviro-Safe recently received conditional approval to replace the Transfer Station Operation license with a Solid Waste Processing Operation license. The DNR approval and conditions of said approval are contained in a letter dated April 20, 2015 (copy attached). The Operations Plan submitted to the DNR and upon which DNR approval has been granted is also attached (Stantec Report dated March 18, 2015).

As indicated in the Operations Plan report, the proposal to include solid waste processing and change their DNR license from a transfer facility to a processing facility will enable Enviro-Safe to more efficiently process material by being able to co-mingle material from multiple sources before recycling, and, more importantly, expand the volume of material they can process above the current 50 ton per day limit of the current transfer facility license. Enviro-Safe estimates that with approval they could process up to 1,200 tons of solid waste through the facility on an annual basis. The same activities allowed under the Transfer Station Operation license and CUP #3-11 would continue to occur, but the change to a Solid Waste Processing Operation license would enable Enviro-Safe to process more solid waste and in a slightly different manner than what is allowed under the current license.

Staff Analysis

The zoning for this parcel in the Business Park is M-1: Limited Industrial. The existing use of and activities conducted within the building, i.e. storage and recycling of flammable, combustible, hazardous and non-hazardous liquid and solid waste, is only allowed with a conditional use permit. As with all CUP uses, the owner/operator must show how the proposed use(s) are or would “...not be hazardous, harmful, offensive or otherwise adverse to the environment or the value of the neighborhood or community”.

Since the operation began in 2012, Enviro-Safe has conducted its business consistent

with the terms of CUP #3-11 and the operations plan upon which CUP #3-11 was granted.

As indicated in his June 4, 2015 e-mail, Villione indicates that the proposed change is not a significant change to the overall operation. As is the case now, all solid waste processing activities will be conducted inside the building with no changes to exterior of the building or site. No outside storage of equipment or materials is proposed (or permitted) and there will be no new or additional environmental impacts (e.g. noise, odor, heat, glare, air quality, vibration, etc.) associated with this change.

Staff recommends that the DNR general, operational and reporting conditions of approval also be adopted by reference into CUP #3-11 (see DNR letter dated April 20, 2015 pages 5 and 6).

VILLAGE PLANNER RECOMMENDATION

APPROVE an amendment to Conditional Use Permit #3-11 to include non-hazardous solid waste processing to the list of uses and activities allowed in the existing Enviro-Safe facility located at W130 N10500 Washington Drive in the Germantown Business Park subject to the following ADDITIONAL conditions:

1. All General Condition, Operations and Reporting conditions of approval and requirements set forth in the DNR approval letter dated April 20, 2015 are hereby adopted as condition of approval for this permit.

VILLAGE OF GERMANTOWN
N112 W17001 MEQUON ROAD
GERMANTOWN, WI 53022
****AMENDED****

MEETING: **PLAN COMMISSION**
DATE AND TIME: **MONDAY, June 8, 2015 6:30 p.m.**
LOCATION: **Germantown Village Hall Board Room**

- I. **CALL TO ORDER:** This meeting has been given public notice in accordance with Wisconsin Statutes, Section 19.83 and 19.84 in such form that will apprise the general public and news media of subject matter that is intended for discussion and action.
- II. **ROLL CALL**
- III. **PUBLIC INPUT**
- IV. **APPROVAL OF MINUTES:** May 11, 2015
- V. **NEW BUSINESS:**
 - A. Appleton Sign Company for Milwaukee Laser & Body Aesthetics and SCS, LLC – W189 N11100 Kleinmann Drive. Sign Review Application.
 - B. Jamie Wolski for Mark & Kathyrine L’Heureux – W144 N10378 Raintree Drive. Zoning Permit for Construction of a Residential Fence in a Drainage Easement.
 - C. Jeffrey Vilione for Enviro-Safe Consulting LLC- W130 N10500 Washington Drive. Modifications to Conditional Use Permit #3-11 (to permit Additional Solid Waste Processing Activities).
 - D. Germantown Diamond Club for Steve Dahlke – W172 N13050 Division Road. Conditional Use Permit for an Indoor Recreation Establishment (Indoor Baseball Batting Cages).
 - E. Midwest Assisted Living Partners I, LLC for Equitable Bank SSB – Lot 2 of CSM 6090 Virginia Avenue. Conditional Use Permit for a 32-unit Senior Assisted Living Facility.
- VI. **ANNOUNCEMENTS**
- VII. **ADJOURNMENT**

UPON REASONABLE NOTICE, efforts will be made to accommodate the needs of disabled individuals through appropriate aids and services. For additional information or to request this service please contact the Village Clerk at (262)250-4740 at least 2 days prior to the meeting. Notice is given that a majority of the Village Board may attend this meeting to gather information about an item over which they have decision making responsibility. This may constitute a meeting of the Village Board per State ex rel. Badke v. Greendale Village Board, even though the Village Board will not take formal action at this meeting.



Date: March 11, 2011
To: Village of Germantown - Jeff Retzlaff
From: JDV Real Estate Holdings, LLC.
Enviro-Safe Consulting, LLC. – Jeffrey D. Vilione
Sub: Letter of Intent / Intended Use

Dear Jeff:

This letter is being provided to insure all parties have a full understanding of Enviro-Safe Consulting, LLC. (Enviro-Safe's) intended use for the purchase of the lot located on Washington Drive and South of Bradley Way in the Village of Germantown's Industrial Park. The intended use for the building would include a 10-day Transporters Permit for the transportation of hazardous waste (NR 663 permit to be issued by the Wisconsin DNR), a Solid Waste Storage and Processing Permit for storage and bulking of Non-Hazardous Waste liquid or solid waste (NR 502 permit to be issued by the Wisconsin DNR), a Non-Hazardous Used Oil permit (NR 679 permit to be issued by Wisconsin DNR), a Universal Waste permit (NR 673 permit to be issued by Wisconsin DNR) and the storage of flammable hazardous materials (permit not required by the Wisconsin DNR) for solvents to be used in alternative use programs.

Enviro-Safe is a multidisciplinary environmental, safety and resource recovery company. Enviro-Safe is over nine years old and is currently located in City of Brookfield. The company core clients include medium to large size manufactures throughout the country in the chemical management of raw materials, off-specification products, recoverable by-products, co-products and non-hazardous and hazardous waste. In addition, the company provides regulatory compliance services pertaining to EPA, WDNR and OSHA regulations. Over the past four years, Enviro-Safe has worked closely with the Wisconsin Department of Natural Resources (WDNR) and some of Wisconsin's largest chemical manufactures specifically pertaining to a solvent reuse program. These manufactures generate hundreds of thousands of gallons of "qualified" solvents that Enviro-Safe has re-directed away from the hazardous waste status and into an alternative reuse program. Similar programs would be offered to other manufactures that generate material in smaller quantities. These alternative reuse programs, not only offer options that can re-direct valuable materials, but can help preserve our natural resources. As the company continue into the future and virgin raw material cost continue to increase, many more options are going to be developed for future reuse.

Enviro-Safe has purchased a lot and is considering the construction of a building of approximately 15,000 sq. ft., with 3,000 to 4,000 sq. ft. office space and approximately 11,000 to 12,000 sq. ft. warehouse. The building would be used as a recycling center for the storage and re-distribution of various flammable materials (see attached chemical list), as well as, non-flammable / non-hazardous products and fluorescent lamps and batteries. All flammable containers would be tested for compatibility prior to storage in the warehouse. The container sizes could vary from 5-gallon pails up to 330-gallon steel totes, with 55-gallon steel drums being the most common container size. Once the desired quantity is obtained, typically 6,500 gallons for solvents, the containers would be pumped and transferred to a 6,500 gallon tanker truck and sent to an alternative use program. The State Fire Code will be adhered to and Standard Operating Procedures (SOPs) will be established to ensure the proper management and handling of all materials.

The benefits of this program would include the following:

- Extending the useful life of existing materials that would otherwise be looked upon as waste;



Environmental and Safety Consultants / Engineers

www.enviro-safe.com

- Preserving of our natural resources such as coal, natural gas, and oil through recycling activities;
- Reduction of non-hazardous waste and / or products that could be landfilled;
- Benefit the environment by offering other viable recycling options not presently offered;
- Increase in professional employment within the Germantown area;
- Provide a Leadership in Energy and Environmental Design (LEED) Building

If you have any questions or need anything further, please feel free to contact me.

Sincerely,
Enviro-Safe Consulting, LLC.

Jeffrey D. Vilione
President



Date: 11/21/09
To: Village of Germantown
Attn: Jeff Retzlaff
From: Jeff Vilione
Subject: Potential Flammable Chemical List

Listed below is a comprehensive list of flammable chemicals. Enviro-Safe's intended use for these chemicals, if qualified for an alternative use program, would be to reuse these solvents or solvent mixtures in another application for industry. These solvents would be stored in either 55 gallon steel drums or in 275 gallon steel totes. These materials would then be pumped and transferred into a 6,500 gallon tank truck to be used for another application. The NFPA standard would classify these solvents as a Class IB or Class 1C.

Aliphatics	Aromatics	Alcohols	Ketones	Chlorinated	Esters
Hexane	Xylene	Methanol	Acetone	Methylene Chloride	Methyl Acetate
Cyclohexane	Toluene	Isopropanol	MEK	111 Trichloroethane	Isopropyl Acetate
Heptane	Ethyl Benzene	n-Butanol	MAK	Carbon Tetrachloride	Ethyl Acetate
VM&P		Amyl Alcohol	Cyclohexanone	Ethylene Dichloride	Butyl Acetate
90 Solvent		Isobutanol	Methyl Isobutyl Ketone	Trichlorethylene	Propyl Acetate
Mineral Spirits		Cyclohexanol		Perchlorethylene	Isobutyl Acetate
140 Solvent		Ethanol			Amyl Acetate
Lacolene		n-Propanol			Dibasic Ester
Cypar		Methyl Amyl Alcohol			Glycol Ether EB Acetate
					Glycol Ether DE Acetate
					Glycol Ether DB Acetate



Environmental and Safety Consultants / Engineers

www.enviro-safe.com

Typical Non-Flammable Waste

- Latex Paints
- Water Base Inks
- Water Base Products
 - Anti-Freeze
 - Ethylene Glycols
 - Propylene Glycols
 - Glues / Adhesives
 - Pharmaceuticals
 - Cosmetics
- Used Oils / Oily Debris
 - Filters
 - Offset Paste Inks
- Consumer Commodity
 - Off-Spec Products



Village of
[REDACTED]
Germantown
Willkommen

Fee must accompany application
 \$1460 Paid \$ Date 3-14-11

CONDITIONAL USE PERMIT APPLICATION

Pursuant to Section 17.42 of the Municipal Code

Please read and complete this application carefully. All applications must be signed and dated.

1 **APPLICANT OR AGENT** for JDV
 MSI GENERAL CORP. Eric Neumann
 c/o ENVIRSAFE CONSULTING, LLC
 P.O. Box 7
 Oconomowoc, WI 53066
 Phone (414) 333-6800
 Fax (262) 367-7390
 E-Mail eric@msigeneral.com

PROPERTY OWNER
 JDV Real Estate Holdings, LLC
 19395 W. Capitol Drive, Suite 200
 Brookfield, WI 53045
 Jeff D. Viliore
 Phone (262) 613-5906
 Fax 262-790-2560
 email: jviliore@envirosafe.com

2 TO WHOM SHOULD THE PERMIT BE ISSUED?
 JDV Real Estate Holdings, LLC
 c/o EnvirSAFE Consulting LLC

PROPERTY ADDRESS	TAX	KEY NUMBER
TBD - Washington Street Bradley Way	See attached	

4 DESCRIPTION OF EXISTING OPERATION
 Briefly describe the use as it exists today, including use, size, number of employees, hours of operation, etc. If this permit involves new construction, describe the current status of the property, e.g. "vacant." Use additional pages if necessary.
 See attached Lot 33

5 DESCRIPTION OF PROPOSED OPERATION
 Write the name of the proposed conditional use exactly as it appears in the Municipal Code.
 See attached

Describe the proposed use, including size, number of employees, hours of operation and extent of any new construction/alterations.
 See attached \$ Plan Commission Package



6 METES AND BOUNDS LEGAL DESCRIPTION OF PROPERTY - REQUIRED

Attach pages as necessary

L See

7 SUPPORTING DOCUMENTATION:

- Site Plan and elevations for new construction (can be conceptual)
- Photos of existing use and/or proposed use operating elsewhere
- attached business description
- attached Village Questions & responses

8 READ AND INITIAL THE FOLLOWING:

EM EM understand that the Village is under no obligation to issue a Conditional Use Permit and will do so only if the applicant successfully demonstrates that the proposed use is harmonious with the neighborhood and the long range goals of the Village.

EM EM I will notify the Village if any aspects of the conditional use changes. I understand that failure to do so may result in the revocation of the CUP.

EM EM I understand that a Conditional Use Permit is valid only if the conditions and restrictions of the permit are met. I understand that failure to comply with any aspect of the permit may result in revocation.

9 SIGNATURES - ALL APPLICATIONS MUST BE SIGNED BY OWNER!

[Signature] 3/10/11 *[Signature]* 3/11/11
 Applicant Date Owner Date



Design Build
Since 1957

March 14, 2011

Mr. Jeff Retzlaff
Village Planning & Zoning
Village of Germantown
P.O. Box 337
Germantown, WI 53022

RE: Enviro-Safe Consulting, LLC
Site Plan Submittal & C.U.P. update
MSI General Project #4265

Dear Jeff:

We are submitting the complete Site Plan Review Package for Enviro-Safe Consulting's proposed facility on Washington Drive, as well as the needed information for our Conditional Use application. These submittals come to you after our numerous meetings and discussions regarding this project and believe are consistent with the direction we have been given by the Village.

We need to track a strict review and approval sequence in order to assist the owner in a land purchase and construction by this spring. We realize that the anticipated approval schedule is subject to receiving approvals and having sufficient detail provided as to not warrant an additional or delayed meeting. It is therefore our intention to provide updated information should you find the original submission lacking in any area. We will also follow up quickly after the various meetings with additional information or back-up as required or suggested from those meetings. Please see our proposed timing schedule as listed below:

- Submit to Village the site plan and conditional use package on March 14, 2011.
- Attend plan commission meeting April 11, 2011 for conditional use and site plan review.
- If C.U.P is recommended, and the Site Plan is approved by plan commission, then it is our assumption that we will be at the Village Board Meeting for the public hearing on the conditional use on April 18, 2011, as it was discussed at our previous meeting that the Village would dual track the plan commission and public hear announcements based on the last submittal and previous plan commission approval and recommendation to Village Board.

After review of the schedule, if you have any questions regarding our logic behind this, we would be happy to discuss this with you in person or via telephone.

MSI General

Corporation

P.O. Box 7

Oconomowoc

Wisconsin

53066

262.367.3661

Fax 262.367.7390

www.msigeneral.com

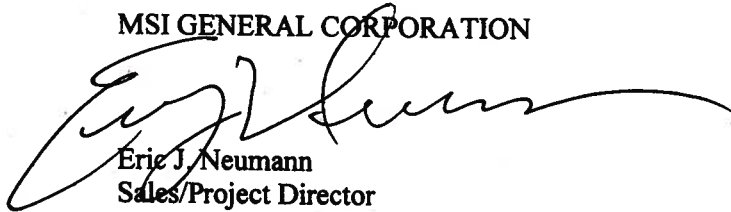
Mr. Jeff Retzlaff
Village of Germantown
Site Plan Submittal – Enviro-Safe #4265
March 14, 2011
Page 2 of 2

Included with the cover letter are the site plan application and the site plan submittal package including a short plan of operation sheet that we have prepared for the site plan review process. We have also assembled answers to the above ground storage tank zoning code items for the conditional use application already on file.

We appreciate all the efforts from yourself and the Village with this project to this point and look forward to continuing the process with these formal submittals. After review of the attached submittal package, if there are any additional questions you have regarding it or our intentions, please feel free to contact me as soon as those arise so that we can answer questions or provide additional detail.

Most sincerely,

MSI GENERAL CORPORATION

A handwritten signature in black ink, appearing to read "Eric J. Neumann", is written over the typed name and title.

Eric J. Neumann
Sales/Project Director

EJN:iek

Enclosures

c: Jeff Vilione
Don Frost

ENVIRO-SAFE CONSULTING, LLC
PLAN OF OPERATION – ADDITIONAL DETAILS & SITE PLAN

Dated March 14, 2011

Number of Employees:

The employee count for the building, including on and off site personnel, would be in the range of 10-12 at the initial point of occupancy.

Hours of Operation:

Hours of Operation are between 6 a.m. and 6 p.m. Monday through Friday, however there will be opportunities where earlier opening or later working hours will be needed and the possibility of some weekend work as well. For the most part Enviro-Safe is a single shift operation but special circumstances arise as do in any other business.

Site Plan:

The plan submitted shows the access point for the truck and tanker area separated from the parking lot. The initial meeting with the Germantown Village Engineering Staff recommended the use of an oil/water separator or storm sceptor to be used to collect and filter stormwater from the area of the truck docks and maneuvering areas directly West of the docks. The plan we provided includes those areas being drained to a storm sceptor. The docking area also shows plans for a proposed exterior covered canopy area and a weir structure for exterior tanks for storage and dispensing of materials.

Office Parking:

The parking plan for employees and visitors includes twenty-seven (27) parking stalls. This is based on the needs of the employee count for this operation and was requested by the Owner. Our site allows room an additional forty-seven (47) stalls without significant impact on the site plan. Due to needs of this business, we wish to limit the hard surface area to only that which is needed. We ask for the approval of the parking lot to be different than the code required for parking which is based on square footage of office, warehouse and production space.

Floor Plan:

The floor plan shows the various functions of the building including the office layout – showing the private offices and cubicles, a small lab area for testing of compatibility and arrangement of the non-regulating materials being brought into the site/building. Next to the office is a warehouse of approximately 8,000 s.f. for storage of non-regulated materials that will be classified and stored for proper disposal and recycling. Please note this storage area has been arranged to have an 18” aisle between pallets (at the request of Brionne Bischke) in order to allow individual inspection of the barrels for leakage, reading of labels and identification for storage and safety purposes. The entire floor of this area will be recessed by approximately 6” to handle not only spills but a twenty minute sprinkler discharge volume. This room will be classified as S-1 by Wisconsin Department of Commerce Code.

Adjacent to the non-regulated room is the storage room of flammable and combustible materials. This room will be classified as a H3 occupancy. We have arranged spills and piles to meet code and provide spacing as requested by the Germantown City Engineer. Next to the storage room is the dispensing room. This room will have an H2 classification. The room will also have blowout panels on the North wall. This room is where the dispensing will take place. Materials will be dispensed into a tanker via a suction tube from the tanker which will be transporting these materials to the next use location. Part of building design would have parapet walls to screen roof top HVAC equipment.

Statement of Design Intent & Building Elevations

We modeled the building to match the zoning regulations of the Village of Germantown and blend in with the architecture using the surrounding buildings in this park. We have worked with a member of the plan commission to garner his comments on design and have incorporated those into our submittal elevations. The use of various materials including masonry, metal trims/accent panels, aluminum framing and glass not limited to but including landscaping and the blending in to the natural grade of the site to provide screening have been planned and represented in the attached submittal. Earth tones and more natural colors have also been incorporated as well as the architectural style suggest for the park.

Miscellaneous Items of Importance:

- The plan shows the canopy on the west side of the building that will be used for unloading and dispensing of all types of materials that could enter the building.
- We have tied the tank area to the canopy by means of a manifold piping system which is detailed on our submittal plans.
- We have provided elevations and details of the tanks and the piping scheme for them.
- We will understand and will comply with all village code with regards to fire protection and drainage of the exterior tank area. These include the control valve for storm water and foam sprinkler systems.

As you can see by the level of detail provided for both for the site plan submittal and the conditional use application, the team assembled for this project has the experience and expertise to build this building to comply with all applicable regulations. We also acknowledge there could be items that arise after the next level of review takes place. It is our hope based on the efforts we have provided to you at this point and the level of seriousness we have represented that those items could be resolved without delaying the review process for this project. If there are critical items to approve the project or for approval of the conditional use, we would ask that those could be brought to our attention as soon as possible so that any concerns are addressed or additional information is provided. As we are all aware, there are many things that will have to happen after we receive the various approvals in order to gain our permits to begin the project and we ask for the opportunity to complete those items at that time.

**Enviro-Safe Resource Recovery
Appendix V-10 - Village of Germantown
Certificate of Occupancy - Permit
053-12 (Issued August 14, 2012)**



Village of



Germantown

Willkommen

BUILDING INSPECTION DEPARTMENT

N112 W17001 Mequon Road P.O. Box 337

Germantown, Wisconsin 53022-0337

Phones (414)250-4760

FAX (414) 253-8255

CERTIFICATE OF OCCUPANCY

BUILDING PERMIT # 053-12

VILLAGE OF GERMANTOWN, WASHINGTON COUNTY, WISCONSIN. August 14, 2012

ISSUED TO MSI General Corp./Enviro-Safe Consulting

PERMISSION IS HEREBY GRANTED TO OCCUPY THE New Construction

LOCATED AT W130 N10500 Washington Drive

TO BE USED FOR Office & Warehouse

AS PROVIDED FOR IN THE BUILDING ORDINANCE OF THE VILLAGE OF GERMANTOWN.



FIRE INSPECTOR



INSPECTOR OF BUILDINGS

**Enviro-Safe Resource Recovery
Appendix V-11 - Village of Germantown
Certificate of Occupancy - Permit
20GRM-B00040
(Issued November 16, 2021)**

CERTIFICATE OF OCCUPANCY

Germantown

This certificate is issued pursuant to the requirements of the adopted building code, certifying that at the time of issuance this structure was in compliance with the various ordinances of Germantown regulating building construction and use.

Site Address: W130N10500 Washington Drive,
Germantown, WI 53022

Building Permit #: 20GRM-B00040

Permit Type: Commercial Addition

Owner Name: JDV REAL ESTATE HOLDINGS

Parcel Number: GTNV-254271

Lot:

Owner Address: W130N10500 Washington Drive,
Germantown, WI 53022

Block:

Type of Construction:

Subdivision:

Occupancy: B

Zoning District:

Code Edition: 2016 2016 1 & 2 Family
UDC with Wisconsin
Amendments

Building Official: Allan Schmuck

Auto Sprinkler Required: No

Auto Sprinkler Provided: No

APPENDIX W: APPENDIX INTENTIONALLY LEFT BLANK

This appendix has been intentionally left blank.

APPENDIX X: LOADING/UNLOADING PROCEDURE FORM

Bulk Loading/Unloading Procedures



Loading/Unloading Procedures

All transporters must meet the minimum requirements and regulations for tank truck loading/unloading established by the U.S. Department of Transportation (DOT). Procedures will be established so that the transporter understands the site layout, knows the protocol for entering the site and unloading/loading procedures, and has the necessary equipment to respond to a discharge from the vehicle, hose or its attachments.

A representative from the company must be present and supervisor all deliveries or outbound shipments. Vehicle/equipment filling operations are performed by operating personnel trained in proper discharge prevention procedures. The driver must remain with the vehicle at all times and assist during transferring operations under the direction of the site's operating personnel. Transfer operations are performed according to the minimum procedures outlined in the table below.

Task Description	Procedures
Prior to Loading/Unloading	<ul style="list-style-type: none"> △ Visually check all hoses for leaks and wet spots. △ Verify that sufficient volume is available in the container, storage tank or tanker vehicle. △ Confirm that the receiving container, storage tank or tanker vehicle is free of any potentially incomputable material. △ Secure the tank vehicle with wheel chocks and interlocks. △ Verify that the vehicle's parking brakes are set. △ Verify proper alignment of valves and proper functioning of the pumping system. △ Establish adequate bonding/grounding prior to connecting to the transfer point. △ Turn off cell phone.
During Loading/Unloading	<ul style="list-style-type: none"> △ Driver must stay with the vehicle at all times during loading/unloading activities. △ Designated facility personnel should observe the driver during loading/unloading. △ Periodically inspect all systems, hoses and connections. △ When loading, keep internal and external valves on the receiving tank open along with the pressure relief valves. △ When making a connection, shut off the vehicle engine. When transferring Class 3 materials, shut off the vehicle engine unless it is used to operate a pump. △ Maintain communication with the pumping and receiving areas. △ Monitor the liquid level in the receiving storage tank or tanker vehicle to prevent overflow. △ Monitor flow meters to determine rate of flow. △ When topping off the storage tank or tanker vehicle, reduce flow rate to prevent overflow.
After Loading/Unloading	<ul style="list-style-type: none"> △ Make sure the transfer operation is completed. △ Close all tank and loading valves before disconnecting. △ Securely close all vehicle internal, external, and dome cover valves before disconnecting. △ Secure all hatches. △ Disconnect grounding/bonding wires. △ Ensure the hoses are drained to remove the remaining liquid before moving them away from the connection. Use a drip pan or bucket. △ Cap the end of the hose and other connecting devices before moving them to prevent uncontrolled leakage. △ Remove wheel chocks and interlocks. △ Inspect the lowermost drain and all outlets on tanker vehicle prior to departure. If necessary, tighten, adjust, or replace caps, valves, or other equipment to prevent leaking while in transit. △ Ensure all storage tank valves are closed and secure.

Transporter: _____ **Action:** Loading Unloading _____
Site Operator: _____ **Date:** _____