DEL MONTE FOODS PLANT #107, PLOVER, WI
PUBLIC NOTICED FACT SHEET- MODIFIED PERMIT

GENERAL INFORMATION	
Permit Number: WI-0051241-10-01	**FID**: 750009700
Permittee: Del Monte Foods, Inc., 205 North Wiget Lane, Walnut Creek, CA 94598	
Facility Location: Del Monte Foods Plant #107, 1400 Plover Rd., PO Box 729, Plover, WI 54467-0729	
Receiving Waters: the groundwaters of Fourmile Creek, Fivemile Creek, and Little Plover River drainage basins in the Southern Sub-basin of the Upper Wisconsin River Watershed located in Portage County.	
Application Waivers? None	**Discharge Type:** Existing

Sample Points/Outfalls	
Sample Point 101 – Inplant	Process wastewater prior to irrigation Outfalls 001, 002, 007 and 008
Outfall 001 – Land Treatment	Spray Irrigation of Process wastewater (125 acres): 36 MG
~~**Outfall 002 – Land Treatment**~~	~~Spray Irrigation of Process wastewater (17 acres): 4.25 MG~~
Outfall 003 – Land Treatment	Spray Irrigation of Noncontact wastewater (NCCW) (16 acres): 31 MG
Outfall 007 – Land Treatment	Spray Irrigation of Process wastewater (49 acres): 15 MG
Outfall 008 – Land Treatment	Spray Irrigation of Process wastewater (112.6 acres): 35 MG
Outfall 009 – Land Treatment	Spray Irrigation & Infiltration of Can Cooling and NCCW (3 acres): 25 MG
Outfall 010 – Land Treatment	Spray Irrigation of Process wastewater (36 acres): New Outfall added in 2024 permit modification
Groundwater Monitoring System for Spray Irrigation Outfall 001	Monitoring wells 809 (W2BR-PIEZ), 812 (W4BR), 814 (W2AR), 815 (W4AR) surrounding 125 acre center pivot spray irrigation field at Outfall 001
Groundwater Monitoring System for Spray Irrigation Outfall 002	Monitoring wells 810 (W16A-PIEZ), 811 (W16B) and 813 (W11R), surrounding 17 acre spray irrigation field at Outfall 002
Groundwater Monitoring System for Spray Irrigation Outfall 007	Monitoring wells 827 (W17), 828 (W18), 829 (W19A) and 830 (W19B) at 49 acre Spray Irrigation Field Outfall 007
Groundwater Monitoring System for Spray Irrigation Outfall 008	Monitoring wells 833 (W21), 834 (W22), 835 (W23) at 112 acre Spray Irrigation Field Outfall 008
Groundwater Monitoring System for Spray Irrigation Outfall 010	Monitoring wells 836 (W24) and 837 (W25), 36 acre Spray Irrigation Field Outfall 010
Outfall 005 – Landspreading	Landspreading of vegetable byproduct solids- approximately 114 dry US tons annually
Outfall 011 – Landspreading	Landspreading of Vegetable Processing wastewater- approximately 5.27 MG annually

FACILITY DESCRIPTION

Facility Description: Del Monte Foods Plant #107 in Plover, WI produces canned vegetables for human consumption. Vegetables processed at the plant include green beans, wax beans, Italian beans, beets, potatoes and carrots at a rate of approximately 11 million common cases per year. The facility uses city-supplied and onsite well water for vegetable processing and equipment sanitation. On average, from June to December of each year the facility produces about 84 million gallons (MG) of process wastewater (not including cooling water). This process has been managed through discharge to the following four irrigation wastewater treatment systems located near the factory: 1) a full sweep center pivot irrigation system that covers 125 acres (Outfall 001), 2) a small ½ pivot sprinkler system that covers 17 acres (Outfall 002), 3) a half pivot irrigation system that covers 49 acres (Outfall 007), and 4) a center pivot irrigation system on 112.6 acres (Outfall 008, approved during the last permit term and located just north of the factory). The process wastewater is applied in a load/rest cycle to hold the water in the top few feet of soil for treatment and uptake of the applied nutrients by the harvested cover crops. The cover crops are harvested two or more times each year and are used as cattle feed on nearby farms.

Two land treatment systems are in operation for the treatment of approximately 56 million gallons (MG) of non-process wastewaters annually: 1) Can cooling water is spray irrigated via the plant lawn sprinkler system with an average flow of 31 MG annually on 16 acres (Outfall 003), and 2) infiltration of approximately 25 MG annually of noncontact cooling water (NCCW) and can cooling water on a 3-acre grassed area 6600 feet north of the facility (Outfall 009). This helps to enhance groundwater recharge in the vicinity of the Little Plover River.

All sanitary waste from the facility and overflow of brine from the lidding operation is segregated from the rest of the process wastewater and discharged to the Village of Plover municipal sewer system. A groundwater monitoring system is in place onsite to monitor impacts to groundwater from the spray irrigation systems. The facility also recycles vegetable processing wastewater and by-product solids via landspreading on Department approved fields.

Del Monte has requested this permit modification to add a fifth spray irrigation outfall (010) that will receive treated effluent from the WWTF. This outfall will have the same wastewater that goes to current Outfall 008 and is located directly north of Outfall 008. A requirement that the permittee install two new groundwater monitoring wells to track compliance and impacts to groundwater from the new spray irrigation outfall was required as part of the plan approval process for the new spray irrigation field, therefore those two wells and the associated groundwater PALs/Ess are also included. Because the permittee discontinued use of spray irrigation outfall 002, it has been removed from the permit in this modification. Also included in this modification is the requirement that the permittee submit updated Land Treatment and Land Application Management Plans.

Publishing Newspaper: Stevens Point Journal, PO Box 7, Stevens Point, WI 54481-0007
See associated public notice document for additional contact and procedural information.

Are there any general permits that should be rolled into this specific permit? None

SUBSTANTIAL COMPLIANCE DETERMINATION - Overall

	Compliance	Comments
Discharge Limits	Yes	
Sampling/testing requirements	Yes	
Groundwater standards	Yes	See Groundwater SCD
Reporting requirements	Yes	
Compliance schedules	Yes	
Other:	NA	
Enforcement considerations	Yes	
In substantial compliance? Yes	**Concurrence:** Nicholas Lindstrom	**Date:** 06/18/2020

SUBSTANTIAL COMPLIANCE DETERMINATION- LANDSPREADING

	Compliance	Comments
Discharge Limits	Yes	
Sampling/testing requirements	Yes	
Groundwater standards	See GW SCD	
Reporting requirements	Yes	
Compliance schedules	Yes	
Other:	N/A	
Enforcement considerations	None	
In substantial compliance? Yes	**Concurrence:** Danielle Luke	**Date:** 06/18/2020

SUBSTANTIAL COMPLIANCE DETERMINATION- GROUNDWATER

	Compliance	Comments
Discharge Limits	Yes	
Sampling/testing requirements	Yes	
Groundwater standards	Yes	See April 21, 2020 GW Eval
Reporting requirements	Yes	
Compliance schedules	N/A	
Other:	None	
Enforcement considerations	None	
In substantial compliance? Yes	**Concurrence:** Woody Myers	**Date:** 06/04/2020

IN-PLANT – PROCESS WASTEWATER PRIOR TO IRRIGATION

In-plant Sample Point: 101	Representative composite samples shall be collected of the mixed canning process wastewater after the storage tank/pump reservoir. The wastewater will be irrigated for land treatment at outfalls 001, 002, 007 or 008 for recycling of the water and nutrients into the cover crop.

	DISCHARGE LIMITATIONS		**MONITORING REQUIREMENTS**	
PARAMETER	**LIMIT TYPE**	**UNITS**	**SAMPLE FREQUENCY**	**SAMPLE TYPE**
Flow Rate		MGD	Daily	Total Daily
Chloride		mg/L	2/Month	Composite
Nitrogen, Nitrite + Nitrate Total		mg/L	2/Month	Composite
Nitrogen, Total Kjeldahl		mg/L	2/Month	Composite
Suspended Solids, Total		mg/L	2/Month	Composite

Monitoring is only required when there is discharge to the wastewater spray irrigation system during the month.

Changes since last permit term: No changes

LAND TREATMENT
SPRAY IRRIGATION – PROCESS WASTEWATER
All land treatment requirements were determined by ch. NR 214 Wis Adm. Code

Outfall 001 Description	Vegetable canning process wastewater discharge to the 125 acre full pivot system located south of the factory and County Highway B.
Outfall 001 Location	NE¼, Section 26, T23N R8E, Portage County, WI
~~**Outfall 002 Description**~~	~~Vegetable canning process wastewater discharge to the 17 acre half pivot sprinkler system located just east of the factory and north of County Highway B.~~
~~**Outfall 002 Location**~~	~~SE¼, Section 23, T23N R8E. Portage County, WI~~
Outfall 007 Description	Vegetable canning process wastewater discharge to the 49 acre 1/2 Pivot system located south of the factory and County Highway B.
Outfall 007 Location	SE¼, Section 26, T23N R8E. Portage County, WI
Outfall 008 Description	Vegetable canning process wastewater and cooling water discharged via spray irrigation to the 112.6 acre spray field, full pivot system located north of the factory buildings and west of County Highway R.
Outfall 008 Location	NE¼, Section 23, T23N R8E, Portage County, WI
Outfall 010 Description	Vegetable canning process wastewater and cooling water discharge to the 36 acre full pivot system located north of the 112.6 spray irrigation field (Outfall 008). **NOTE: Discharge is not permitted within 500 feet of any adjacent property that is not owned by Del Monte unless written consent has been received from the adjacent property owner.**
Outfall 010 Location	NE¼, Section 23, T23N R8E, Portage County, WI

	DISCHARGE LIMITATIONS		**MONITORING REQUIREMENTS**	
PARAMETER	**LIMIT TYPE**	**UNITS**	**SAMPLE FREQUENCY**	**SAMPLE TYPE**
Flow Rate		MGD	Daily	Total Daily
Hydraulic Application Rate January – April each year	Monthly Avg	0 Gal/Acre/Day	Monthly	Calculated
Hydraulic Application Rate May-November each year	Monthly Avg	9,000 Gal/Acre/Day	Monthly	Calculated
Hydraulic Application Rate Dec each year	Monthly Avg	4,500 Gal/Acre/Day	Monthly	Calculated
Nitrogen, Max Applied On Any Zone	Annual Total	350 lbs/acre/yr	Annual	Total Annual

DAILY LOG

	DISCHARGE LIMITATIONS		**MONITORING REQUIREMENTS**	
PARAMETER	**QUANTITY**	**UNITS**	**SAMPLE FREQ**	**SAMPLE TYPE**
Zone or location being sprayed	-	Number	Daily	Log
Acres being sprayed	-	Acres	Daily	Log

Start to end time	-	Date/hour	Daily	Log
Maximum applied volume	0.65	Inches/load cycle	Daily	Calculated
ANNUAL REPORT				
	DISCHARGE LIMITATIONS		**MONITORING REQUIREMENTS**	
PARAMETER	**QUANTITY**	**UNITS**	**SAMPLE FREQ**	**SAMPLE TYPE**
Total Volume/Zone	-	Gallons	Annual	Total Annual
Total Nitrogen/Zone	350 or alternate approved in writing	lbs/acre/yr	Annual	Calculated
Soil Analysis	-	-	Annual	Composite
Fertilizer Used	-	lbs/Acre/yr	Annual	Total Annual

Changes since last permit term: No changes
Changes in permit modification: Outfall 010 was added to the permit and Outfall 002 was deleted.

Explanation of Limits and Monitoring Requirements
The wastewater from vegetable processing and equipment sanitation is screened to remove vegetable solids before transfer to an above ground steel storage tank/pump pit with a volume of 300,000 gallons. The wastewater is discharged to four land treatment systems: 1) a full sweep center pivot irrigation system that covers 125 acres (Outfall 001), 2) a small ½ pivot sprinkler system that covers 17 acres (Outfall 002), 3) a half pivot irrigation system that covers 49 acres (Outfall 007), and a center pivot irrigation system for irrigation on 112.6 acres (Outfall 008, located just north of the factory). The irrigation systems are located within parts of Sections 23 and 26, township 23 North, Range 8 East in Portage County.

The daily maximum (0.65 inches) and monthly average (9,000 gal/acre/day) hydraulic loading limits listed in the permit are based on the soil texture of the irrigation field soils and NR 214.14, Wis. Adm. Code. The limits account for the sandy soils at the site and factor the need to control water within the crop root zone for proper treatment of the irrigated process wastewater. The daily maximum wastewater hydraulic loading volume of 0.65 inch (17,650 gal/acre) from Table 1 in NR 214.14 must be followed by an adequate rest period to be specified in the management plan. The spray field could be rested for one day before another wastewater load volume is applied. This would result in an average hydraulic application rate of 8,825 gallons/acre/day or less. An alternative operating strategy would be to load 0.325 inch of wastewater (8,825 gallons/acre/day) every day. This hydraulic application rate is slightly above the recommended range, but below the 10,000 gal/acre/day highest monthly average hydraulic application rate allowed for wastewater irrigation in NR 214.14(3)(d). This wastewater loading cycle should allow the soils to maintain conditions necessary for treatment of organic material in the wastewater and allow nitrogen and phosphorus to be recycled back into the irrigation field cover crop. The annual nitrogen loading rate limit of 350 lbs/acre/year is based on the demonstrated denitrification of upgradient groundwater, reduced nitrate nitrogen levels in the downgradient groundwater monitoring wells, and on the crop uptake rate recommended for a reed canary/mixed grass species cover crop. The other requirements for land treatment of vegetable processing wastewater were determined in accordance with Ch. NR 214.14 Wis. Adm. Code.

LAND TREATMENT –
Can Cooling Water and Non-Contact Cooling Water (NCCW)
All land treatment requirements were determined by ch. NR 214 Wis Adm. Code

Outfall/Sample Point 003 Description	Representative samples shall be collected prior to discharging to lawn and buffer sprinkler system. Discharge is limited to can cooling water and non-contact cooling water.
Outfall Location:	Lawn Sprinkler System, located at SE ¼, Section 23, T23N R8E, Portage County, WI
Outfall/Sample Point 009 Description	Representative samples shall be collected prior to discharging to clear water infiltration system located west of Cty Road R and north of the factory. Discharge is limited to can cooling water and non-contact cooling water.
Outfall Location:	3 acre grassed infiltration area, part of SE¼, Section 23, T23N R8E, Portage County, WI

PARAMETER	LIMIT TYPE	UNITS	SAMPLE FREQ	SAMPLE TYPE
Flow Rate		MGD	Daily	Total Daily

DAILY LOG

	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
PARAMETER	**LIMIT**	**UNITS**	**SAMPLE FREQ**	**SAMPLE TYPE**
Start to End Time	-	Date, Hour	Daily	Log

ANNUAL REPORT

	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
PARAMETER	**LIMIT**	**UNITS**	**SAMPLE FREQ**	**SAMPLE TYPE**
Total Volume per Zone	-	Gallons	Annual	Total Annual

Changes since last permit term: No changes

Note: Some of the cooling water discharged to Outfall 003 is discharged to buffer areas north of the plant and to a 3-acre infiltration system via Outfall 009. This is to help recharge the aquifer that feeds the Little Plover River as well as reduce loading rates on current spray fields. No cooling water is discharged directly to surface water.

GROUNDWATER MONITORING

Are there existing PALs and/or ACLs for this facility? Yes
Wells to be monitored: 809 (2BR-PIEZ), 810 (16A-PIEZ), 811 (16B), 812 (4B-R), 813 (11R), 814 (W2AR), 815 (W4AR-R), 827 (W17), 828 (W18), 829 (W19A), 830 (W19B), 833 (W21), 834 (W22), and 835 (W23)
Background wells used to calculate PALs: 812 (W4B-R) and 815 (W4AR-R) for Outfall 001, 813 (W11R) for Outfall 002 827 (W17) for Outfall 007 835 (W23) for Outfall 008
Wells at which enforcement standards apply: 810 (W16A-PIEZ), 811 (W16B), 829 (W19A) and 830 (W19B)
Other comments: Groundwater samples shall be collected quarterly. **Explanation of Limits & Monitoring Requirements for Groundwater**: Groundwater limits and requirements are determined in accordance with ch. NR 140, Wis. Adm. Code. Indicator parameter preventative action limit (PAL) values are established per s. NR 140.20 Wis. Adm. Code. For more information on the calculations and explanations on the changes, see the April 21, 2020 groundwater evaluation memo written by Woody Myers titled "Del Monte Food Plover Plant #107- Groundwater Evaluation Report, WPDES Permit #WI-0051241-09".

GROUNDWATER MONITORING for Outfall 001- 125 acre center pivot spray irrigation field- Monitoring wells: 809 (W2BR-PIEZ), 812 (W4BR), 814 (W2AR), 815 (W4AR-R)

PARAMETER	PREVENTATIVE ACTION LIMIT (PAL)	ENFORCEMENT STANDARD (ES)
Depth to Groundwater	Feet	Feet
Groundwater Elevation	Feet, MSL	Feet, MSL
Dissolved Chlorides	180 mg/L (ACL)	250 mg/L
Dissolved NO_2 +NO_3 Nitrogen	19.0 mg/L (ACL)	19.0 mg/L (ACL)
pH, (unfiltered field sample)	6.5-8.5 s.u.	N/A
Dissolved Ammonia Nitrogen	0.97 mg/L	9.7 mg/L
Dissolved Organic Nitrogen (calculated)	2.6 mg/L	N/A
Total Dissolved Solids	600* mg/L	N/A

*** Indicates a change from the previous permit term**

Changes since last permit term: The PAL for total dissolved solids was increased due to changes in trends in the background well used to calculate the limits.

GROUNDWATER MONITORING for Outfall 002, 17 acre spray irrigation field - Monitoring wells: 810 (W16A-PIEZ), 811 (W16B) and 813 (W11R)

PARAMETER	PREVENTATIVE ACTION LIMIT (PAL)	ENFORCEMENT STANDARD (ES)
Depth to Groundwater	Feet	Feet
Groundwater Elevation	Feet, MSL	Feet, MSL
Dissolved Chlorides	250 mg/L (ACL)	250 mg/L
Dissolved NO_2 +NO_3 Nitrogen	7.9 mg/L (ACL)	10.0 mg/L
pH, (unfiltered field sample)	6.4-8.4 s.u.	N/A
Dissolved Ammonia Nitrogen	0.97 mg/L	9.7 mg/L
Dissolved Organic Nitrogen (calculated)	3.0* mg/L	N/A
Total Dissolved Solids	850* mg/L	N/A

*** Indicates a change from the previous permit term**

Changes since last permit term: The PAL for organic nitrogen was increased and the PAL for total dissolved solids was decreased due to changes in trends in the background well used to calculate the limits.

GROUNDWATER MONITORING for Outfall 007, 49 acre Spray Irrigation Field - Monitoring wells: 827 (W17), 828 (W18), 829 (W19A) and 830 (W19B)

PARAMETER	PREVENTATIVE ACTION LIMIT (PAL)	ENFORCEMENT STANDARD (ES)
Depth to Groundwater	Feet	Feet
Groundwater Elevation	Feet, MSL	Feet, MSL
Dissolved Chlorides	190* mg/L (ACL)	250 mg/L
Dissolved NO_2 +NO_3 Nitrogen	3.2* mg/L (ACL)	10 mg/L
pH, (unfiltered field sample)	6.9-8.9 s.u.	N/A
Dissolved Ammonia Nitrogen	0.97 mg/L	9.7 mg/L
Dissolved Organic Nitrogen (calculated)	2.6 mg/L	N/A
Total Dissolved Solids	500 * mg/L	N/A

*** Indicates a change from the previous permit term**

Changes since last permit term: The ACL for chloride and nitrite + nitrate nitrogen, and the PAL for total dissolved solids were decreased due to changes in trends in the background well used to calculate the limits.

GROUNDWATER MONITORING for Outfall 008, 112 acre Spray Irrigation Field - Monitoring wells 833 (W21), 834 (W22), 835 (W23) and Outfall 010, 36 acre Spray Irrigation Field north of the 112 acre field - Monitoring Wells 836 (W24) and 837 (W25)

PARAMETER	PREVENTATIVE ACTION LIMIT (PAL)	ENFORCEMENT STANDARD (ES)
Depth to Groundwater	Feet	Feet
Groundwater Elevation	Feet, MSL	Feet, MSL
Dissolved Chlorides	200*mg/L (ACL)	250 mg/L
Dissolved NO_2 +NO_3 Nitrogen	13.2* mg/L (ACL)	13.2* mg/L
pH, (unfiltered field sample)	5.4-7.4	N/A
Dissolved Ammonia Nitrogen	0.97 mg/L	9.7 mg/L
Dissolved Organic Nitrogen (calculated)	9.0 mg/L	N/A
Total Dissolved Solids	630 mg/L	N/A

*** Indicates a change from the previous permit term**

Changes since last permit term: The ACL for nitrite + nitrate nitrogen and the PAL for total dissolved nitrogen were decreased, and the PAL for organic nitrogen was increased, due to changes in trends in the background well used to calculate the limits.

Changes in permit modification: Monitoring wells 836 & 837 added in order to assess impacts to groundwater from the new spray irrigation field (Outfall 010).

LANDSPREADING BY-PRODUCT SOLIDS

All landspreading requirements were determined by ch. NR 214 Wis Adm. Code

Outfall: 005	**Sample Description**: Representative samples shall be collected in a time and a manner that will yield the most representative samples. Discharge is limited to vegetable by-product solids from processing green beans, wax beans, Italian beans, potatoes, beets and carrots. Records of by-product daily spreading amounts, site acres used, test results, and calendar year nitrogen and chloride pounds/acre loadings shall be maintained on site for at least three years.

Monitoring Requirements and Limitations					
Parameter	**Limit Type**	**Limit and Units**	**Sample Frequency**	**Sample Type**	**Notes**
Solids, Total		Percent	Annual	Grab	
Nitrogen, Total Kjeldahl		Percent	Annual	Grab	
Chloride		Percent	Annual	Grab	
Phosphorus, Total		Percent	Annual	Grab	
Phosphorus, Water Extractable		Percent	Annual	Grab	
Potassium, Total Recoverable		Percent	Annual	Grab	

Daily Log – Monitoring Requirements and Limitations				
Parameters	**Limit**	**Units**	**Sample Frequency**	**Sample Type**
DNR Site Number(s)	-	Number	Daily	Log
Acres Applied	-	Acres	Daily	Log
Application Rate	-	Tons/Acre/Day	Daily	Calculated

Annual Report – Summary of Monitoring Requirements and Limitations				
Parameters	**Limit**	**Units**	**Reporting Frequency**	**Sample Type**
DNR Site Number(s)	-	Number	-	-
Acres Land Applied	-	Acres	Annual	-
Total Amount Per Site	-	Tons	Annual	Total Annual
Total Kjeldahl Nitrogen per Site	165, or alternate approved in writing	Pounds/Acre/Year	Annual	Calculated
Total Chloride per Site	340	Pounds/Acre per 2 Years	Annual	Calculated

Changes since last permit term: Due to the nature of the discharge and to better characterize the waste landspread, monitoring for Phosphorus, Water Extractable Phosphorus and Potassium have been added to the permit.

Vegetable By-Product Records: The permittee shall maintain a log that records the daily total solids, landspreading amounts and the acres & site numbers spread on each day. Also, by-product solids test results for percent solids, chlorides, and total Kjeldahl nitrogen shall be maintained to document the calendar year pounds per acre nitrogen and chloride amounts added to the landspreading sites. These records shall be kept for a minimum of three years and be available for Department inspection.

LANDSPREADING OF PROCESS WASTEWATER

All landspreading requirements were determined by ch. NR 214 Wis Adm. Code

Outfall: 011	**Sample Description**: Representative samples shall be collected in a time and a manner that will yield the most representative samples. Discharge is limited to vegetable processing wastewaters from processing green beans, wax beans, Italian beans, potatoes, beets and carrots. Records of wastewater daily spreading amounts, site acres used, test results, and calendar year nitrogen and chloride pounds/acre loadings shall be maintained on site for at least three years.

Parameter	Limit/Units	Sample Frequency	Sample Type
Nitrogen, Total Kjeldahl	mg/L	Monthly	Grab
Chloride	mg/L	Monthly	Grab
Phosphorus, Total	mg/L	Monthly	Grab
Water Extractable Phosphorus	% of Tot P	Monthly	Grab
Potassium, Total Recoverable	mg/L	Monthly	Grab

Daily Log

Parameters	Limit	Units	Sample Frequency	Sample Type
DNR Site Number(s)	-	Number	Daily	Log
Acres Applied	-	Acres	Daily	Log
Frozen Site Maximum Daily Loading Volume	6,800	Gal/Acre/Day	Daily	Calculated
Unfrozen Site Maximum Daily Loading Volume	13,500	Gal/Acre/Day	Daily	Calculated
Weekly Loading Volume	See NR 214 - Tbl 3	Inches/Week	Weekly	Calculated

Annual Report

Parameters	Limit	Units	Reporting Frequency	Sample Type
DNR Site Number(s)	-	Number	-	-
Acres Land Applied	-	Acres	Annual	-
Total Volume Per Site	-	Gallons	Annual	Total Annual
Total Kjeldahl Nitrogen per Site	165, or alternate approved in writing	Pounds/Acre/Yr	Annual	Calculated
Total Chloride per Site	340	Pounds/Acre/2 Yrs	Annual	Calculated

Changes since last permit term: Due to the nature of the discharge and to better characterize the waste landspread, monitoring for Phosphorus, Water Extractable Phosphorus and Potassium have been added to the permit and the reporting of total solids has been removed from this outfall. For the same reason, the requirements & limits in the daily log have also changed.

COMPLIANCE SCHEDULES

Updated Land Treatment Management Plan

Submit an updated land treatment management plan for the spray irrigation system.

Required Action	Due Date
Updated Management Plan: Submit an updated land treatment management plan to optimize the land treatment system performance (spray irrigation system) and demonstrate compliance with Wisconsin Administrative Code NR 214. The land treatment management plan shall be consistent with the requirements of this permit, and NR 214.13 (5) (e), Wis. Adm. Code. To ensure this consistency, the management plan shall address the information identified in NR 214.13 (5)(e). The plan shall specify information on pretreatment processes, load and rest schedules, scheduled maintenance, vegetative cover control and removal, operational strategies for periods of adverse weather, monitoring procedures and any other pertinent information. If operational changes are needed, the Land Treatment Management plan shall be amended by submitting a written request to the Department for approval of such amendments.	10/31/2024

Explanation of Compliance Schedule: An up-to-date Land Treatment Management Plan is a standard requirement in reissued industrial permits per NR 214.

Updated Land Application Management Plan

Submit an updated land application management plan.

Required Action	Due Date
Updated Management Plan: Submit an update to the management plan to optimize the land application system performance and demonstrate compliance with Wisconsin Administrative Code NR 214.	10/31/2024

Explanation of Compliance Schedule: An up-to-date Land Application Management plan is a standard requirement in reissued industrial permits per NR 214.

OTHER COMMENTS

None

Proposed expiration date: September 30, 2025
Originally Prepared by: Holly Heldstab **Date**: September 29, 2020
Modification prepared by: Holly Heldstab **Date:** July 8, 2024