



STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES

**PERMIT TO DISCHARGE UNDER THE WISCONSIN
POLLUTANT DISCHARGE ELIMINATION SYSTEM
WPDES PERMIT NO. WI- S049875-4**

In compliance with the provisions of ch. 283 Wis. Stats., and chs. NR 151 and 216, Wis. Adm. Code, the following municipality:

CITY OF CUDAHY

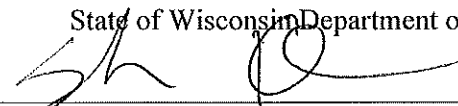
are permitted to discharge storm water from all portions of the

MUNICIPAL SEPARATE STORM SEWER SYSTEM

owned or operated by the Permittee to waters of the state in the following watersheds:

**KINNICKINNIC RIVER
OAK CREEK
LAKE MICHIGAN**

This permit to discharge takes effect on February 1, 2024, and expires at midnight, January 31, 2029. The Department is required to charge an annual permit fee to owners and operators authorized to discharge under this permit in accordance with s. 283.33(9), Wis. Stats., and s. NR 216.08, Wis. Adm. Code.

State of Wisconsin Department of Natural Resources For the Secretary
By  February 1, 2024
Samantha Katt Date Permit Signed
Urban Storm Water Specialist

PERMIT EFFECTIVE DATE: February 1, 2024 **EXPIRATION DATE:** January 31, 2029

Table of Contents

<u>Section</u>	<u>Page</u>
I. APPLICABILITY	4
A. PERMITTED AREA	4
B. AUTHORIZED DISCHARGES.....	4
C. INDIVIDUAL RESPONSIBILITY.....	4
D. SHARED RESPONSIBILITY.....	4
E. WATER QUALITY STANDARDS	5
F. OUTSTANDING AND EXCEPTIONAL RESOURCE WATERS	5
G. WETLANDS.....	5
H. ENDANGERED AND THREATENED SPECIES.....	6
I. HISTORIC PROPERTY.....	6
J. IMPAIRED WATERBODIES.....	6
K. GENERAL STORM WATER DISCHARGE LIMITATIONS	6
L. EXCLUSIONS.....	7
II. STORM WATER MANAGEMENT PROGRAM.....	8
A. PUBLIC EDUCATION AND OUTREACH CONDITIONS	8
B. PUBLIC INVOLVEMENT AND PARTICIPATION.....	10
C. ILLICIT DISCHARGE DETECTION AND ELIMINATION.....	10
D. CONSTRUCTION SITE POLLUTION CONTROL	14
E. POST-CONSTRUCTION STORM WATER MANAGEMENT	15
F. POLLUTION PREVENTION.....	17
1. Winter Road Management:	17
2. Nutrient Management:.....	18
3. Street Sweeping and Catch Basin Cleaning:	18
4. Management of Leaves and Grass Clippings:.....	19
5. Storm Water Pollution Prevention Planning:	19
G. STORM WATER QUALITY MANAGEMENT.....	20
H. STORM SEWER SYSTEM MAP.....	21
I. AMENDMENTS	21
J. ANNUAL REPORT.....	21
K. REAPPLICATION FOR PERMIT COVERAGE	23
III. SPECIAL CONDITIONS	24

A. TOTAL MAXIMUM DAILY LOADS (TMDLs):..... 24

B. TMDL BENCHMARKS 26

IV. IMPLEMENTATION SCHEDULE..... 27

V. STANDARD CONDITIONS 29

VI. DEFINITIONS 33

VII. TSS AND TP WASTELOAD ALLOCATIONS 36

I. APPLICABILITY

A. PERMITTED AREA

This Wisconsin Pollution Discharge Elimination System (WPDES) permit regulates municipal separate storm sewer system (MS4) discharges from the City of Cudahy. In this permit, this municipality is referred to as the Permittee. This permit covers all areas within the jurisdiction of the Permittee. This permit is issued in accordance with ch. 283, Wis. Stats. and chs. NR 151 and NR 216, Wis. Adm. Code.

B. AUTHORIZED DISCHARGES

This permit authorizes storm water point source discharges from the MS4 to waters of the state in the permitted area. This permit also authorizes the discharge of storm water co-mingled with flows contributed by process wastewater, non-process wastewater, and storm water associated with industrial activity, provided the discharges are regulated by other WPDES permits or are discharges which are not considered illicit discharges pursuant to Section II. C. 1 of this permit.

C. INDIVIDUAL RESPONSIBILITY

The Permittee is responsible for:

1. Effectively prohibiting non-storm water discharges into the MS4 unless otherwise permitted by Section I. B.
2. Reducing pollutants to the maximum extent practicable (MEP). Compliance with this permit, completion of TMDL benchmarks, and implementation of the storm water management program establishes this MEP requirement.

D. SHARED RESPONSIBILITY

1. The implementation of one or more of the conditions of this permit by the Permittee may incorporate cooperative efforts with other MS4 regulated permittees or efforts by other groups or organizations if the shared responsibility is approved by the Department. The Permittee may rely on another municipality or contract with another entity to satisfy a condition of this permit if all the following are met:
 - a) The other municipality or entity implements the required control measure or permit requirements.
 - b) A particular control measure, or component thereof, is at least as stringent as the corresponding permit requirements.
 - c) The other municipality or entity agrees to implement a control measure or permit requirement on the Permittee's behalf. This shall be shown by formal written agreement, signed by both parties' authorized representatives. The agreement shall be explicit as to which specific permit conditions are being covered by which municipality or other entity. Copies of current agreements shall be submitted with the annual report or to the Department upon request.

E. WATER QUALITY STANDARDS

1. This permit specifies the conditions under which storm water may be discharged to waters of the state for the purpose of achieving water quality standards contained in chs. NR 102 through 105, NR 140, and NR 207, Wis. Adm. Code. During the permit term, compliance with water quality standards will be addressed by adherence to the requirements of this permit, implementation of storm water management programs and practices, and modifications to practices when practices are determined not effective to achieve the aforementioned goals and standards.
2. This permit does not authorize water discharges that the Department, prior to authorization of coverage under this permit, determines will cause or have reasonable potential to cause or contribute to an excursion above any applicable water quality standards. Where such determinations have been made prior to authorization, the Department may authorize coverage under this permit where the storm water management programs required under this permit will include appropriate controls and implementation procedures designed to bring the storm water discharge into compliance with water quality standards.

F. OUTSTANDING AND EXCEPTIONAL RESOURCE WATERS

1. The Permittee shall determine whether any part of its MS4 discharges to an outstanding resource water (ORW) or exceptional resource water (ERW). ORWs and ERWs are listed in ss. NR 102.10 and 102.11, Wis. Adm. Code.

Note: An unofficial list of ORWs and ERWs may be found on the Department's Internet site at: <https://dnr.wi.gov/topic/SurfaceWater/orwerw.html>

2. The Permittee may not establish a new MS4 discharge of a pollutant to an ORW or an ERW unless the storm water management programs required under this permit are designed to ensure that any new MS4 discharge of a pollutant to an ORW or ERW will not exceed background concentration levels within the ORW or ERW.
3. If the Permittee has an existing MS4 discharge to an ORW, it may increase the discharge of pollutants, either at the existing point of discharge or a new location, provided all of the following are met:
 - a) The pollutant concentration within the receiving water and under the influence of the existing discharge would not increase as compared to the level that existed prior to coverage under this permit.
 - b) The increased discharge would not result in a violation of water quality standards.
 - c) If the Permittee has an existing MS4 discharge to an ERW, it may increase the discharge of pollutants if the increased discharge would not result in a violation of water quality standards.

G. WETLANDS

Permittee MS4 discharges shall comply with the applicable wetland water quality standards provisions in ch. NR 103, Wis. Adm. Code.

H. ENDANGERED AND THREATENED SPECIES

Permittee MS4 discharges shall comply with the endangered and threatened resource protection requirements of s. 29.604, Wis. Stats., and ch. NR 27, Wis. Adm. Code.

I. HISTORIC PROPERTY

Permittee MS4 discharges may not affect any historic property that is listed property, or on the inventory or on the list of locally designated historic places under s. 44.45, Wis. Stats., unless the Department determines that the MS4 discharge will not have an adverse effect on any historic property pursuant to s. 44.40(3), Wis. Stats.

J. IMPAIRED WATERBODIES

The requirements of this section apply to receiving waters listed as impaired on the 303(d) list without established TMDL wasteload allocations to which the Permittee discharge. The Permittee shall:

1. Review the applicable pollutants of concern on the most recent United States Environmental Protection Agency (EPA) approved 303(d) list that are relevant to the Permittee's MS4 discharge and determine whether any part of its MS4 discharges to a listed impaired waterbody. Review shall occur within 12 months each time the 303(d) list is revised.
2. Include a written section in its storm water management program that discusses the management practices and control measures it will implement as part of its program to reduce, with the goal of eliminating, the discharge of each pollutant of concern that contributes to the impairment of the waterbody. This section of the Permittee's program shall specifically identify control measures and practices that will collectively be used to eliminate the MS4's discharge of pollutant(s) of concern that contribute to the impairment of the waterbody and explain why these control measures and practices were chosen as opposed to other alternatives. Pollutant(s) of concern means a pollutant that is causing impairment of a waterbody.

Note: The Department maintains a searchable database of impaired waterways. This publicly accessible database is available at <https://apps.dnr.wi.gov/water/impairedSearch.aspx>.

3. After the start date of coverage under this permit, the Permittee may not establish a new MS4 discharge of a pollutant of concern to an impaired waterbody or increase the discharge of a pollutant of concern to an impaired waterbody unless the new or increased discharge causes the receiving water to meet applicable water quality standards, or the new discharge is consistent with an EPA approved TMDL.

K. GENERAL STORM WATER DISCHARGE LIMITATIONS

In accordance with s. NR 102.04, Wis. Adm. Code, the Permittee shall control storm water discharges so that all surface waters, including the mixing zone, meet the following conditions at all times and under all flow and water level conditions:

1. Substances that will cause objectionable deposits on the shore or in the bed of a body of water, shall not be present in such amounts as to interfere with public rights in waters of the state.
2. Floating or submerged debris, oil, scum or other material shall not be present in such amounts as to interfere with public rights in waters of the state.
3. Materials producing color, odor, taste or unsightliness shall not be present in such amounts as to interfere with public rights in waters of the state.
4. Substances in concentrations or combinations which are toxic or harmful to humans shall not be present in amounts found to be of public health significance, nor shall substances be present in amounts which are acutely harmful to animal, plant or aquatic life.

L. EXCLUSIONS

The following are excluded from coverage under this permit:

1. Combined Sewer and Sanitary Sewer Systems:
Discharges of water from a wastewater treatment facility, sanitary sewer or a combined sewer system conveying both sanitary and storm water. These discharges are regulated under s. 283.31, Wis. Stats, and require a separate individual permit.
2. Agricultural Facilities and Practices:
Discharges from “agricultural facilities” and “agricultural practices”. “Agricultural facility” means a structure associated with an agricultural practice. “Agricultural practice” means beekeeping; commercial feedlots; dairying; egg production; floriculture; fish or fur farming; grazing; livestock raising; orchards; poultry raising; raising of grain, grass, mint and seed crops; raising of fruits, nuts and berries; sod farming; placing land in federal programs in return for payments in kind; owning land, at least 35 acres of which is enrolled in the conservation reserve program under 16 USC 3831 to 3836; and vegetable raising.
3. Other Excluded Discharges:
Storm water discharges from industrial operations or land disturbing construction activities that require separate coverage under a WPDES permit pursuant to subchs. II or III of ch. NR 216, Wis. Adm. Code. For example, while storm water from industrial or construction activity may discharge from an MS4, this permit does not satisfy the need to obtain any other permits for those discharges. This exclusion does not apply to the Permittee’s responsibility to regulate construction sites within its jurisdiction in accordance with Sections II. D. and E. of this permit.
4. Indian Country:
Storm water discharges within Indian Country. The federal Clean Water Act requires that owners and operators of storm water discharges to surface waters within Indian Country to obtain permit coverage directly from the EPA.

II. STORM WATER MANAGEMENT PROGRAM

The Permittee shall have a written storm water management program (SWMP) that describes in detail how the Permittee intends to comply with the permit requirements for each minimum control measure. Unless otherwise specified, the Permittee shall submit written program documents no later than February 1, 2026, and shall begin implementing any updates to its storm water management programs no later than February 1, 2026.

A. PUBLIC EDUCATION AND OUTREACH CONDITIONS

The Permittee shall implement a written public education and outreach program to increase the awareness of how the combined actions of human behavior influence storm water pollution and its effects on the environment. The public education and outreach program may incorporate cooperative efforts with other entities not regulated by this permit provided a mechanism is developed and implemented to track the results of these cooperative efforts and reported annually.

The program shall:

1. For each topic in Table 1, identify targeted pollutants of concern, the targeted audience, delivery mechanism and the entity responsible for implementation.
2. Address all topics at least once during the permit term with a minimum of 3 topics being addressed each year. Topics may be repeated as necessary.

Table 1: Public Education and Outreach Topics

#	Topic Area	Description
1	Illicit Discharge Detection and Elimination	Promote detection and elimination of illicit discharges and water quality impacts associated with such discharges from municipal separate storm sewer systems.
2	Household Hazardous Waste Disposal/Pet Waste Management/Vehicle Washing	Inform and educate the public about the proper management of materials that may cause storm water pollution from sources including automobiles, pet waste, household hazardous waste and household practices.
3	Yard Waste Management/Pesticide and Fertilizer Application	Promote beneficial onsite reuse of leaves and grass clippings and proper use of lawn and garden fertilizers and pesticides.
4	Stream and Shoreline Management	Promote the management of streambanks and shorelines by riparian landowners to minimize erosion and restore and enhance the ecological value of waterways.
5	Residential Infiltration	Promote infiltration of residential storm water runoff from rooftop downspouts, driveways and sidewalks through implementation of green infrastructure best management practices (BMPs) such as rain barrels, rain gardens, and permeable pavements.

6	Construction Sites and Post-Construction Storm Water Management	Inform and educate those responsible for the design, installation, and maintenance of construction site erosion control practices and storm water management facilities on how to design, install and maintain the practices.
7	Pollution Prevention	Storm water runoff from commercial properties and, where appropriate, educate specific businesses such as lawn care companies, golf courses, carwashes, and restaurants on storm water pollution prevention planning to reduce pollutant sources.
8	Green Infrastructure/Low Impact Development	Promote environmentally sensitive land development designs by developers and designers, including green infrastructure and low impact development.
9	Snow and Ice Control	Promote BMPs for snow and ice removal and inform specific audiences such as snow removal/deicing companies, private residences, industrial and commercial facilities, and residents about resources that provide further information on methods of reducing application of chemical deicers while maintaining public safety.

3. Implement an education and outreach program designed to achieve measurable goals based upon target audiences, specific storm water quality issues in the community, or identified pollutants of concern:

1. Evaluate the Storm Water Education Needs of the community by August 1, 2025. The Permittee shall:

- a) Conduct a survey or use other appropriate methods to identify education needs.
- b) Submit a list of prioritized storm water education needs for the community including the methods and rationale used for prioritization.

2. Complete Targeted Education:

- a) By August 1, 2027, provide education and outreach within the MS4 boundary for at least one prioritized education need identified in Section II.A.3.1.
- b) Develop metrics that will be used for measuring progress after the education event has been held.

4. Submit as part of the permit reapplication (due August 4, 2028), a summary of the targeted education activity, its evaluation results, and proposed measurable goal for the next permit term.

B. PUBLIC INVOLVEMENT AND PARTICIPATION

The Permittee shall implement a written public involvement and participation program that establishes measurable goals and provides opportunities for the public to effectively participate in the development, implementation, and modification of the Permittee's storm water management program. The approach must include provisions for receiving and considering public comments on the following permit activities: annual reports, SWMP revisions, adoption of storm water related ordinances, and TMDL pollutant load reduction benchmark development. For the associated permit activity, the Permittee identify the delivery mechanism, target participants, and entity responsible for implementation. Delivery mechanisms may include public workshops, presentations of storm water information, government events (public hearings, council meetings, etc.), citizen committee meetings, or the use of websites.

1. Submit as part of the permit reapplication (due August 4, 2028), a summary of the actions taken to reach the measurable goal, evaluation results, and proposed measurable goal for the next permit term.

C. ILLICIT DISCHARGE DETECTION AND ELIMINATION

The Permittee shall implement a written program to detect, remove, and eliminate illicit connections and discharges to the municipal separate storm sewer system. The program must establish measurable goals and include all of the following:

1. An ordinance or other regulatory mechanism that, at a minimum:
 - a) Prohibit illicit discharge, spilling or dumping of non-storm water substances or material into the Permittee's MS4 or waters of the state.
 - b) Identifies non-storm water discharges or flows that are not considered illicit discharges. Non-storm water discharges that are not considered illicit discharges include water line flushing, landscape irrigation, diverted stream flows, uncontaminated groundwater infiltration, uncontaminated pumped groundwater, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, lawn watering, individual residential car washing, flows from riparian habitats and wetlands, firefighting, and discharges authorized under a WPDES permit, unless identified by the Permittee or the Department as significant source of pollutants to waters of the state.
 - c) Establishes the Permittee's inspection and enforcement authority.

Note: Chapter NR 815, Wis. Adm. Code, regulates injection wells including storm water injection wells. Construction or use of a well to dispose of storm water directly into groundwater is prohibited under s. NR 815.11(5), Wis. Adm. Code.

2. A written dry weather outfall screening procedure. At a minimum, the procedure must include:
 - a) A map identifying all major and minor MS4 outfalls and storm water drainage basin boundaries for each MS4 outfall. Priority outfalls shall be uniquely identified.

- b) The name, title, and phone number of the individual(s) responsible for field screening activities.
- c) Field screening during dry weather periods (typically 48-72 hours after measurable rainfall) at the MS4 outfalls.

(1) Location. Screening locations shall be selected using the following criteria:

- (a) All major outfalls that have not exhibited evidence of illicit discharges during the previous permit term. Annually, at least 20 percent of these major outfalls shall be screened, on a rolling basis, so that at the end of the permit term all major outfalls which showed no indication of illicit discharges during the previous permit term, have been screened.
- (b) All major outfalls that have exhibited evidence of an illicit discharge or have exceeded a parameter action level during the last two samplings of the preceding permit term shall be evaluated at least once per year.
- (c) All other outfalls regardless of size, that have been identified as a priority screening location. The Permittee shall develop a prioritization structure to begin inspecting priority outfalls by February 1, 2025. All priority outfalls shall be screened at least once during the permit term.

(2) Visual Observation. A narrative description of visual observations during field screening activities, including color, odor, turbidity, oil sheen or surface scum, trash, flow rate, condition of conveyance system or outfall, and any other relevant observations in performing field screening activities regarding the potential presence of non-storm water discharges or illicit dumping shall be completed for each outfall visited.

(3) Field Analysis. If flow is observed at the screening locations during dry weather periods, a field analysis shall be conducted to determine the cause of the dry weather flow. The field analysis shall include sampling for pH, total chlorine, total copper, total phenol, and detergents unless the permittee elects to use alternative indicator parameters such as ammonia, potassium, and fluoride. Other alternative indicator parameters may be authorized by the Department in writing. Where appropriate, pollutant parameter action levels identified by the Permittee must be considered. Field analysis procedures shall describe when other investigation methods such as dye testing or televising will be used. Field analysis documentation summary shall be included with the annual report.

(a) The Permittee may propose alternative field analysis procedures for review and approval. The Permittee shall follow the field analysis procedures identified in subsection (3), unless alternative procedures are approved in writing by the Department.

- (4) Pollutant parameter action levels that will be used as part of the field screening and analysis under section II. C. 2. b) (3). The action levels will identify concentrations for identified pollutants that, if exceeded, will require further investigation, which may include laboratory analysis, to identify the source the illicit discharge.
 - (5) Laboratory Analysis. If general observations and field screening indicate the presence of a suspected illicit discharge and the source or cause of the illicit discharge cannot be determined through other investigatory methods, the Permittee shall collect a water quality sample for laboratory analysis for ongoing discharges. The water quality sample shall be analyzed for pollutant parameters or identifiers that will aid in the determination of the sources of the illicit discharge.
- c) Documentation. Visual observation and field screening results shall be recorded for each outfall and kept for 5 years. A summary of results shall be included with the annual report.
3. A written procedures for investigating and responding to known or suspected illicit discharges. Procedures must include all of the following:
- a) The name, title, and phone number of the individual(s) responsible for responding to reports of illicit discharges and spills.
 - b) Immediately investigating portions of the MS4 that, based on the results of visual observation, field screening, laboratory analysis, or other relevant information, such as a complaint or referral, indicates a reasonable potential for containing illicit discharges.
 - c) Responding to spills that discharge into and/or from the MS4, including tracking the source of the spill, if unknown.
 - d) Preventing and containing spills that may discharge into or are already within the MS4.
 - e) Procedure to immediately notify the Department in accordance with ch. NR 706, Wis. Adm. Code, if the Permittee identifies a spill or release of a hazardous substance into or from its MS4, which results in the discharge of pollutants into waters of the state. The Department shall be notified via the 24-hour toll free spill hotline at 1-800-943-0003. The Permittee shall cooperate with the Department in efforts to investigate and prevent such discharges from polluting waters of the state.
 - f) Elimination of the illicit discharge.
 - (1) Once the source of an illicit discharge is determined, the Permittee must take appropriate action to expeditiously eliminate the illicit discharges. If elimination of the illicit discharge is not feasible to eliminate within 30 days, the permittee shall contact the Department.
 - (2) If the Permittee determines the elimination of the illicit discharge will take more than 30 days due to technical, logistical or other reasonable issues, the permittee

must develop and implement an illicit discharge elimination plan to remove the illicit discharge in an expeditious manner. The elimination plan must be submitted to the Department within 45 days of determining the source of an illicit discharge. In lieu of developing and implementing an individual elimination plan for common types of illicit discharges, the permittee may document and implement response procedures, a response plan, or similar document. The action plan, response procedures, response plan or similar document must include a timeframe for elimination of the illicit discharge as soon as practicable.

- g) Elimination of any leakage or discharge from sanitary conveyance systems into the MS4 as required in s. NR 216.07 (3) (h), Wis. Adm. Code.
 - h) Providing the Department with advance notice of the time and location of dye testing proposed by the Permittee within a MS4.
 - i) Notification with adjacent municipality.
 - (1) In the case of an illicit discharge that originates from the permittee's permitted area and discharges directly to a storm sewer system or property under the jurisdiction of an adjacent municipality, the Permittee shall notify the affected municipality within one working day of the discovery of the discharge.
 - (2) In the case of an illicit discharge that originates from an adjacent municipality's permitted area and discharges directly to the Permittee's storm sewer system or property under its jurisdiction, the Permittee shall notify the originating municipality within one working day of the discovery of the discharge.
 - j) Documentation. The Permittee shall maintain a system for documenting complaints, referrals, and any actions taken to investigate or eliminate an illicit discharge. A summary of illicit discharge activities for each year shall be included in the annual report.
4. A written enforcement response procedure describing the how the permittee implements its ordinance when an illicit discharge investigation identifies a responsible party.
 5. Training. All staff responsible for implementation of the IDDE program shall receive training at least once per permit term. This includes office staff, field staff, and emergency response staff. A summary of the training shall be included in the written program.
 6. Measurable Goals. Submit as part of the permit reapplication (due August 4, 2028), a summary of the actions taken to reach the measurable goal, evaluation results, and proposed measurable goal for the next permit term.

D. CONSTRUCTION SITE POLLUTION CONTROL

The Permittee shall implement and enforce a written program that establishes measurable goals and reduces the discharge of sediment and construction materials from construction sites. The Permittee, through implementation of this program, shall:

1. Maintain and enforce the municipal ordinance regarding construction site storm water discharges on all sites, including municipal projects. The municipal ordinance must include the following items:
 - a) Applicability and jurisdiction, pursuant to the authority provided to the permittee under Wisconsin statutes, the ordinance shall apply to all construction sites with one acre or more of land disturbance, and to sites of less than one acre if they are part of a larger common plan of development or sale.
 - b) Design criteria, standards and specifications equivalent to the technical standards approved by the Department. The Department approved technical standards are available at <http://dnr.wi.gov/topic/stormwater/standards/index.html>.
 - c) Performance standards equivalent to, or more restrictive than, those under ss. NR 151.11 and 151.23, Wis. Adm Code.
 - d) Erosion and sediment control plan requirements for landowners of construction sites equivalent to those contained in s. NR 216.46, Wis. Adm. Code.
 - e) Inspection and enforcement authority, including sanctions, to ensure compliance to the extent authorized by law.
 - f) Requirements for construction site operators to manage waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site so to reduce adverse impacts to waters of the state.
2. Implement procedures for conducting erosion and sediment control plan reviews to ensure site planning considers potential water quality impacts. Erosion and sediment control best management practices must comply with design, installation, and maintenance standards that meet or exceed the Department's technical standards or Permittee's ordinance.
3. Inspection Procedures:
 - a) The Permittee shall develop and implement procedures for completing construction inspections. The procedure shall specify the Permittee's inspection frequencies and prioritize inspections considering the nature of construction activity, topography, the characteristics of soil, and receiving water quality. Prior to development of the Permittee's inspection prioritization and frequencies, the Permittee shall ensure completion of erosion control inspections at sites with one acre or more of land disturbance within the Permittee's jurisdiction in accordance with Table 2.

Table 2: Construction Site Inspection Frequency

Site	Inspection Frequency
(1) All sites with one or more acres of disturbance	<ul style="list-style-type: none"> • New projects shall be inspected within the first two weeks of commencement of land disturbing activity • All active sites shall be inspected at least once every 45 days • All inactive sites shall be inspected at least once every 60 days
(2) Follow up inspection	<ul style="list-style-type: none"> • Follow up inspections are required within 7 days of any sediment discharge or inadequate control measure, unless corrections were made and observed by the inspector during initial inspection or corrections were verified via photographs submitted to the inspector
(3) Final inspection	<ul style="list-style-type: none"> • Confirm that all graded areas have reached final stabilization and that all temporary control measures are removed, and permanent storm water management BMPs are installed as designed

4. Maintain records of site inspections, including any follow up necessary on sites out of compliance with their site-specific erosion control plans, as identified in the Permittee’s program.
5. Enforce erosion and sediment control plan requirements for landowners of construction sites equivalent to those contained in s. NR 216.46, Wis. Adm. Code, including municipal projects applicable under the Permittee’s ordinance.
6. Enforce permit coverage termination requirements for landowners of construction sites equivalent to those contained in s. NR 216.55, Wis. Adm. Code, including removal of all temporary erosion and sediment control best management practices and complete site restoration with perennial vegetative cover.
7. Maintain an enforcement response plan or similar document describing the enforcement procedures the Permittee will follow when addressing issues at construction sites. The enforcement procedures must ensure construction activities are in compliance with the ordinances.
8. Implement procedures for responding to information submitted by the public, including complaints.
9. Measurable Goals. Submit as part of the permit reapplication (due August 4, 2028), a summary of the actions taken to reach the measurable goal, evaluation results, and proposed measurable goal for the next permit term.

E. POST-CONSTRUCTION STORM WATER MANAGEMENT

The Permittee shall implement and enforce a written program that establishes measurable goals and to control the quantity and quality of discharges from areas of new development and redevelopment, after construction is completed. The program shall include:

1. An ordinance or other regulatory mechanism to regulate post-construction storm water discharges from new development and redevelopment. At a minimum, the ordinance or other regulatory mechanism shall establish or include:
 - a) Applicability and jurisdiction that shall apply to new development and redevelopment projects with one acre or more of land disturbance, and sites of less than one acre if they are part of a larger common plan of development or sale within the jurisdiction of the permittee.
 - b) Design criteria, standards and specifications equivalent to the technical standards approved by the Department. The Department approved technical standards are available at <http://dnr.wi.gov/topic/stormwater/standards/index.html>.
 - c) Post-construction performance standards equivalent to, or more restrictive than, those in ss. NR 151.121 through 151.125, Wis. Adm. Code.
 - d) Storm water management plan requirements for landowners of construction sites equivalent to those contained in s. NR 216.47, Wis. Adm. Code.
 - e) Permitting requirements, procedures, and fees.
 - f) Long-term maintenance requirements for landowners and other persons responsible for long-term maintenance of post-construction storm water control measures, including the requirement for routine inspection and maintenance of privately-owned, post-construction storm water control measures that discharge into the MS4 to maintain their pollutant removal operating efficiency.
 - g) Inspection and enforcement authority.
2. Written procedures for post-construction site plan review which incorporate consideration of potential water quality impacts, including source water protection areas where applicable. Post-construction reviews must be conducted for all construction sites with one or more acres of land disturbance.
3. A system for tracking and completing long-term maintenance, inspections, and enforcement of all municipally owned or operated post-construction BMPs and privately owned BMPs constructed on or after May 1, 2006. This system shall include:
 - a) An inventory of all post-construction BMPs identified in section II.E.3 which includes:
 - (1) BMP name, location, BMP type, year constructed, and ownership.
 - (2) Confirmation of whether each of the following exists for each BMP:
 - a. Record drawing

- b. An operation and maintenance plan with BMP inspection procedures and inspection schedule
 - c. Long-term maintenance agreements for privately-owned BMPs.
 - b) Written procedures that will be used by the Permittee through its ordinance jurisdiction, approval process, and authority, to track and enforce the long-term maintenance of storm water management facilities.
 - c) Long-term maintenance inspections at least once per permit term.
 - d) Inspection documentation.
 - e) A description of the inspection and enforcement response procedures the Permittee will follow when addressing project compliance issues with the enforceable post-construction storm water management performance standards.
4. Green Infrastructure Barrier Removal. The Permittee shall review design, construction, landscaping and other related ordinances to identify and remove barriers to implementation of green infrastructure projects within the MS4. Barriers shall be removed through adopted ordinance revisions by February 1, 2026. If barriers are identified after February 1, 2026, the barriers shall be removed within 18 months of barrier identification.
- Note:** An Audit of Municipal Codes and Ordinances” was developed by Wisconsin Sea Grant in partnership with 1000 Friends of Wisconsin, Orion Planning and Design, and Milwaukee Metropolitan Sewerage District. The Permittee is encouraged to use this tool or similar methods when reviewing its ordinances to identify GI Barriers. Information on this tool can be found at <https://www.seagrant.wisc.edu/our-work/focus-areas/coastal-communities/green-infrastructure/>.
5. Measurable Goals. Submit as part of the permit reapplication (due August 4, 2028), a summary of the actions taken to reach the measurable goal, evaluation results, and proposed measurable goal for the next permit term.

F. POLLUTION PREVENTION

The Permittee shall develop and implement a written pollution prevention program that establishes measurable goals for pollution prevention. The program shall include:

1. Winter Road Management:

- a) Road salt or other deicer shall not be applied in quantities larger than required to maintain public safety. The Permittee shall develop and implement a written salt application or salt reduction strategy to minimize over application of deicers. The strategy shall include a description of the temperature, precipitation event, road conditions, and other factors which warrant different management techniques. The plan shall also include a description of the equipment and products used and roads and other areas such as parking lots that are managed by the Permittee in winter.

- b) All salt application equipment shall be calibrated annually. Calibration methods shall be described in the written procedure and calibration records shall be documented and kept for 5 years.
- c) The quantity of salt and other deicing products shall be tracked on a monthly basis and reported on the annual report.
- d) At least once each year, the Permittee shall evaluate its winter road management program to identify potential improvements for its salt reduction strategy. At a minimum, the Permittee shall assess the quantity of road salt and other deicing products used and application rates.
- e) Training on the salt strategy shall be provided at a frequency no less than every other year.

2. **Nutrient Management:**

If the Permittee applies nutrients to turf area that is five acres or more on municipally controlled properties, nutrients shall be done in accordance with a site-specific nutrient application schedule based on appropriate soil tests. The nutrient application schedule shall be designed to maintain the optimal health of the turf or garden vegetation. All properties subject to this section shall be identified on an MS4 map.

3. **Street Sweeping and Catch Basin Cleaning:**

- a) If street sweeping or catch basin cleaning is utilized to meet a water quality requirement under this permit, sweeping and catch basin shall continue at the frequency specified in the SWMP. The number of lane miles swept, number of catch basins cleaned, and the weight in tons of the material collected shall be tracked and included in the Annual Report.
- b) Material collected through street sweeping and catch basin cleaning shall be handled and stored in a manner that prevents contamination of storm water runoff and shall be disposed of or beneficially reused in accordance with applicable solid and hazardous waste statutes and administrative codes. Non-storm water discharges to waters of the state associated with dewatering and drying of these collected materials are not authorized by this permit.
- c) The written procedure shall include a description of the methodology and equipment used, schedule and frequency of street sweeping and catch basin cleaning, and the location and associated BMPs utilized during material storage and final disposal. A map identifying streets that are swept and catch basins that are cleaned shall also be included.

Note: Information on managing waste and materials is available on the Department's Internet site at: <https://dnr.wi.gov/topic/Waste/>. Information on WPDES permits for non-storm water discharges is available on the Department's Internet site at: <https://dnr.wi.gov/topic/wastewater/>

4. Management of Leaves and Grass Clippings:

If the Permittee provides leave and grass clipping collection, the written program shall include the following:

- a) A description of the leaf collection program, including pick-up methodology and equipment used, timing of associated street cleaning, standard operating procedures, schedule and frequency, and instructions for residents and property owners.
- b) Identify the location and associated BMPs utilized during material storage and final disposal.
- c) An estimate of the weight in tons of material collected annually shall be tracked and included in the Annual Report.
- d) A description of the BMPs the Permittee employs or will employ to its leaf collection program that reduce nutrient loading to the receiving waters. The permittee shall consider source, transport and discharge location when considering BMPs for the leaf collection program.

5. Storm Water Pollution Prevention Planning:

All municipal garages, municipal storage areas, and other public works related municipal facilities shall have a Storm Water Pollution Prevention Plan (SWPPP).

a) SWPPPs shall include:

- (1) The physical locations of each facility with a key corresponding to the locations on the storm sewer system map required under section II.H.
- (2) The contact information for the individuals with overall responsibility for each facility.
- (3) A map of each facility, drawn to scale, and including the following features:
 - (a) The locations and descriptions of major activities and storage areas.
 - (b) Identification of drainage patterns, potential sources of storm water contamination, and discharge points.
 - (c) Identification of nearby receiving waters or wetlands.
 - (d) Identification of connections to the Permittee's MS4.
- (4) A description of procedures, good housekeeping activities, and any BMPs installed to reduce or eliminate storm water contamination.
- (5) A maintenance plan with inspection procedures and schedule for each facility to identify deficiencies, necessary improvements and/or repairs, assess effectiveness, and address new or unaddressed potential sources of storm water contamination.

- (6) Spills prevention and response standard for each facility.
 - (7) Quarterly visual inspections of the property and annual facility compliance inspections. Inspections reports shall be documented.
 - (8) Contains procedures for annual training of municipal staff on implementation of the SWPPP.
- b) Submit all existing SWPPPs to the Department for review with the 2023 MS4 Annual Report, due March 31, 2024.
 - c) For any new municipally operated sites which require a SWPPP, the Permittee shall develop and implement a SWPPP.
 - d) Submit to the Department all new or updated SWPPPs.

6. Internal Training and Education:

The Permittee shall provide education for appropriate municipal and other personnel involved in implementing their community's pollution prevention programs at least once during the permit term. A summary describing the content of the training and participants shall be described in the written pollution prevention procedure. The Permittee shall maintain documentation of the date, the names of each person attending, and the content of the training.

7. Measurable Goal:

Submit as part of the permit reapplication (due August 4, 2028), a summary of the actions taken to reach the measurable goal, evaluation results, and proposed measurable goal for the next permit term.

G. STORM WATER QUALITY MANAGEMENT

The Permittee shall develop and implement a municipal storm water management program that controls the discharge of total suspended solids from the MS4 system to waters of the state.

1. The storm water management program shall achieve compliance with the developed urban area performance standards of s. NR 151.13(2), Wis. Adm. Code, for those areas of the municipality that were not subject to the post-construction performance standards of ss. NR 151.12 or 151.24, Wis. Adm. Code. (Note: projects prior to Oct. 1, 2004).
2. The Permittee shall ensure continued operation and maintenance of all best management practices implemented on or before July 1, 2011, to achieve a total suspended solids reduction of more than 20 percent as compared to no controls.

H. STORM SEWER SYSTEM MAP

The Permittee shall maintain a municipal separate storm sewer system map and update it as necessary to meet all of the following requirements of s. NR 216.07(7), Wis.

Adm. Code, including:

1. Identification of waters of the state, watershed boundaries, name and classification of receiving waters, and identification of whether the receiving water is listed as an impaired water under section 303 (d) of the Clean Water Act.
2. Identification of all known municipal storm sewer system outfalls discharging to waters of the state or other municipal separate storm sewer systems, stormwater drainage basin boundaries for each MS4 outfall, and municipal separate storm sewer conveyance systems with flow direction. Major outfalls shall be categorized and priority outfalls for illicit discharge detection and elimination shall be identified. Other major municipal, government, or privately-owned storm water conveyance systems lying within, but not owned by the permittee, shall also be identified.
3. A boundary defining the municipal border and the storm water planning area.
4. The location of any known discharge to the MS4 that has been issued a WPDES permit by the Department.
5. Location of municipally owned or operated structural storm water controls including detention basins, infiltration basins, and manufactured treatment devices. If the Permittee will be taking credit for pollutant removal from privately-owned facilities, these facilities must be identified.
6. Identification of publicly owned parks, recreational areas, and other similar open lands.
7. Location of municipal garages and other public works facilities.
8. Identification of streets.
9. Identification of other potential sources of pollution.

I. AMENDMENTS

The Permittee shall amend a program required under this permit as soon as possible if the Permittee becomes aware that it does not meet a requirement of this permit. The Permittee shall amend its program if notified by the Department that a program or procedure is insufficient or ineffective in meeting a requirement of this permit. The Department notice to the Permittee may include a deadline for amending and implementing the amendment.

J. ANNUAL REPORT

The Permittee shall submit an annual report by **March 31st of the following year** for each calendar year. The municipal governing body, interest groups, and the general public shall be provided opportunity to review and comment on the annual report. The annual report and other

permit compliance documents shall be submitted electronically through the Department's electronic reporting system. The annual report shall include:

1. An evaluation of program compliance, the appropriateness of identified BMPs, and any program changes made as a result of this evaluation shall be identified and described in the annual report. For any identified deficiencies towards achieving the requirements under Section II of this permit or lack of progress towards meeting a measurable goal, the Permittee shall initiate program changes to improve their effectiveness.
2. Updated storm sewer system maps, where necessary, to identify any new outfalls, structural controls, or other noteworthy changes.
3. An IDDE report that includes:
 - a) A summary of screening results from outfalls evaluated under Section II C.2.
 - b) Identified Illicit Discharges: A summary of each identified illicit discharge and follow-up actions.
 - c) Spills: A summary of all spills including location, material, quantity, and follow-up actions.
4. A summary describing:
 - a) The number and nature of construction and post-construction inspections and enforcement actions conducted to ensure compliance with the required ordinances.
 - b) Street sweeping frequency and the amount collected.
 - c) Catch basin cleaning frequency and the amount collected.
 - d) All SWPPP inspections.
 - e) Pollutant loading removal rates and status of meeting performance standards.
5. A fiscal analysis which includes the annual expenditures and budget for the reporting year, and the proposed budget for the next year.
6. Identification of any known water quality improvements or degradation in the receiving water to which the Permittee's MS4 discharges as required in Section I. J. Where degradation is identified, identify why and what actions are being taken to improve the water quality of the receiving water.
7. A duly authorized representative of the Permittee shall sign and certify the annual report and include a statement or resolution that the Permittee's governing body or delegated representatives have reviewed or been apprised of the content of the annual report.

8. The annual report and other required reports, and permit compliance documents shall be submitted electronically through the Department's electronic reporting system.

Note: The Department's electronic reporting system is Internet-based and available at: <https://dnr.wi.gov/permits/water/>. Municipal storm water permit eReporting information and user support tools can be found at: <https://dnr.wi.gov/topic/stormwater/municipal/eReporting.html>

K. REAPPLICATION FOR PERMIT COVERAGE

To remain covered after the expiration date of this permit, pursuant to s. NR 216.09, Wis. Adm. Code, the Permittee shall submit a reapplication package to the Department by August 4, 2028, for continued coverage under a reissued version of this permit. The reapplication package shall include:

1. For each minimum control measure, a summary of the actions taken to reach the measurable goal, evaluation results, and proposed measurable goal for the next permit term.
2. For each storm water management program, the proposed program modifications and measurable goals for the next permit term. This includes specific actions and activities or structural BMPs and expected dates of implementation.
3. An assessment of the proposed storm water management program's adequacy to reduce pollutants to the MEP. The assessment must include:
 - a) Explanation and rationale on how implementation of the programs provides the highest level of performance that is achievable during the next permit term considering other environmental problems, technical capability, current technology, and available resources.
 - b) Estimate the additional pollution reduction and water quality benefits from the proposed action. This includes proposed BMPs for pollutants causing impairments not included in a TMDL.
4. A fiscal evaluation summarizing program expenditures for the current permit cycle and projected program allocations for the next permit cycle.
5. An updated estimate of annual storm water pollutant loads for TSS and TP. A description of how the pollutant loads were calculated shall be provided.
6. The established TMDL pollutant load reduction benchmarks, as required by Section III. A. 3.
7. The proposed fecal coliform reduction benchmarks for the next permit term, as discussed in Section III. A. 4.

8. Updated MS4 maps showing service boundary of the MS4, projected changes in land use and future growth, and industrial WPDES permittees which discharge to the MS4.

III. SPECIAL CONDITIONS

A. TOTAL MAXIMUM DAILY LOADS (TMDLs):

The Requirements of this section apply to discharges covered under the “Total Maximum Daily Loads for Total Phosphorus, Total Suspended Solids, and Fecal Coliform Milwaukee River Basin, Wisconsin” as approved by USEPA on March 9, 2018. The Permittee shall complete the following:

1. TMDL POLLUTANT LOAD REDUCTION EVALUATION FOR TSS AND TP:

The progress towards reducing TMDL pollutant loads shall be evaluated by the Permittee through modeling analysis, or through substantially similar or equivalent methods as approved by the Department. The results of the pollutant reduction evaluation shall be described in a report and submitted to the Department by February 1, 2027. The report must contain the following items:

- a) A map that identifies:
 - (1) The TMDL reachshed boundaries within the municipal boundary.
 - (2) The MS4 drainage boundaries within each TMDL reachshed.
 - (3) Identification of areas within the municipal boundary the Permittee believes should be excluded from its analysis to show progress towards reducing TMDL pollutant loads.
 - (4) Structural BMPs and associated drainage area for each BMP used for pollutant reduction.
- b) The associated area, in acres, for each of the lands identified in Section III. A.1.a (1) through (4).
- c) An explanation for why the area identified in Section III. A.1.a (3) are to be excluded from analysis.
- d) The methodology and rationale used to evaluate progress towards reducing TMDL pollutant loads.
- e) For each reachshed, an estimate of the current pollutant loading without considering implementation of BMPs and an estimate of the current pollutant loadings considering BMP implementation. The difference between these two estimates is the existing load reduction. For privately owned BMPs, the Permittee must have a maintenance agreement to count the load reduction.
- f) A comparison of the applicable TMDL WLA for each reachshed to the estimated pollutant loading with and without BMPs. The applicable TMDL reachshed reductions from the no controls condition are identified in Section VII.
- g) For each structural BMP, a tabular summary which identifies the type of BMP, area treated in acres, pollutant loading reduction efficiency, and documentation of the maintenance agreement for any private BMP.

- h) A description of the effectiveness of non-structural BMPs, if applicable, and the rationale for the selected approach.
- i) A narrative summarizing progress towards the applicable TMDL WLAs, and if applicable, existing TMDL benchmarks.
- j) If the Permittee estimates that the TMDL WLAs are achieved with existing BMP implementation, the Permittee must provide a statement supporting this conclusion.

2. WLA ATTAINMENT ANALYSIS FOR TSS AND TP:

The Permittee shall complete an assessment of TSS and TP WLA attainment, including identifying information related to the type and extent of BMPs necessary to achieve the Permittee's pollutant load reductions in the Milwaukee River Basin TMDL and the financial costs and other resources that may be associated with the implementation, operation and maintenance of BMPs. The results of the assessment must be submitted to the Department by August 1, 2027. The attainment analysis shall also include:

- a) A review of local development and redevelopment standards. This review shall evaluate historical development and redevelopment rates and the potential pollutant load reduction achieved in future years if more stringent pollutant reductions standards are adopted.

3. ESTABLISHMENT OF WLA BENCHMARKS FOR TSS AND TP

The Permittee must develop a TMDL pollutant reduction benchmark for TSS and TP where existing BMP implementation is not achieving the WLA. Updated pollutant benchmarks must be submitted by August 4, 2028. The submittal must include:

- a) The pollutant load reduction benchmark proposed to achieve additional progress towards the TMDL WLA during the next permit term.
- b) An explanation of the relationship between the TMDL WLA and the TMDL benchmark for each TMDL pollutant.
- c) A description of how SWMP implementation contributes to the overall reduction of the TMDL pollutants during the next permit term.
- d) Identification of additional BMPs or modified BMPs that will result in further reductions in the discharge of the applicable TMDL pollutants, including the rationale for proposing the BMPs.
- e) An estimate of current pollutant loading that reflect implementation of the current BMPs and the BMPs proposed to be implemented during the next permit term.

4. FECAL COLIFORM REDUCTION EFFORTS:

- a) The Permittee shall develop and submit a bacteria indicator and action level for its Illicit Discharge Screening program as described in Section II. C. 2. c) (4). by February 1, 2025. Screening for bacteria is required at screened MS4 outfalls in the Milwaukee River Basin TMDL.

- b) Fecal Coliform Inventory: By February 1, 2027, the Permittee shall develop and submit to the Department an inventory of fecal coliform sources and a map indicating the locations of the potential sources of fecal coliform entering the MS4. The inventory shall be in tabular format and include a label code, location, description, and ownership of the source. The map shall identify the location of the sources by label code. The inventory shall consider flow variation in its identification of sources. The inventory and map shall include the following sources:
- (1) Known or suspected leaking or failing septic systems
 - (2) Sanitary sewer overflow locations
 - (3) Livestock and domesticated animals housed or raised within the MS4 permitted area and discharging into the MS4, but not including household pets
 - (4) Zoos, kennels, animal breeders, pet stores, and dog training facilities
 - (5) Waste hauling, storage, and transfer facilities
 - (6) Areas that attract congregations of nuisance urban birds and wildlife
 - (7) Known or suspected properties with inadequate food or organic waste handling or storage
 - (8) Composting sites or facilities
 - (9) Known or suspected areas with improper human sanitation use
 - (10) Any other source that the permittee identifies as discharging to the MS4
- c) By August 4, 2028, the Permittee shall develop and submit to the Department a fecal coliform source elimination plan. The plan shall include:
- (1) Prioritization of source removal with and explanation of the prioritization criteria. Prioritization criteria shall include, at a minimum, fecal coliform source, exposure risk, ease of removal, and cost.
 - (2) A description of the type and extent BMPs to be employed to address each source.
 - (3) A cost estimate of BMP implementation, operation, and maintenance.
 - (4) A schedule for implementation of the bacteria elimination plan that reflects expeditious reduction with specific actions or benchmarks identified to be implemented during the next permit term.
 - (5) BMPs identified may be structural, non-structural, targeted outreach, new or revised ordinances, new design criteria, or new plan review considerations, but the plan shall include rationale for using each BMP, the reasons selection of each BMP, and the expected result of BMP implementation.

B. TMDL BENCHMARKS

The following requirements represent specific actions the Permittee must complete. The requirements build upon the existing pollutant reductions and move the Permittee towards achieving future load reduction goals. All benchmarks shall be completed by the end of the permit term unless an early deadline is specified below.

1. Complete the construction of at least two municipally owned and operated structural stormwater management BMPs within the City's limits and notify the Department upon completion.

2. Submit documentation showing the current status (within 30 days of the evaluation submittal) of the Edgerton Channel with the 2026 MS4 Annual Report due March 31, 2027. If the City or Department determines maintenance or further actions to deter residential dumping is needed, by August 1, 2027, the City shall submit its plan of action to conduct the needed actions.

IV. IMPLEMENTATION SCHEDULE

The Permittee shall comply with the specific permit conditions contained in Sections II and III according to the schedules in Table 3. The Permittee shall begin implementing any updates to its storm water management programs no later than February 1, 2026. Required reports and permit compliance documents shall be submitted electronically through the Department’s electronic reporting system.

Note: The Department’s electronic reporting system is Internet-based and available at: <https://dnr.wi.gov/permits/water/>. Municipal storm water permit eReporting information and user support tools can be found at: <https://dnr.wi.gov/topic/stormwater/municipal/eReporting.html>

Table 3: Implementation Schedule for Permit Requirements

PERMIT SECTION	ACTIVITY	COMPLIANCE DATE
I.J.1	Identify discharges to an impaired waterbody.	12 months after 303(d) list is updated.
II	Submit written program documents for each of the six minimum control measures.	February 1, 2026
II.A.3.1	Evaluate the Storm Water Education Needs of the community and submit a list of prioritized storm water education needs	by August 1, 2025
II.A.3.2	Provide education and outreach within the MS4 boundary for at least one prioritized education need identified in II.A.3.1	August 1, 2027,
II.A.4	Submit as part of the permit reapplication, a summary of the targeted education activity, its evaluation results, and proposed measurable goal for the next permit term	August 4, 2028
II.C.2.c)(1)(c)	Begin inspecting priority outfalls	February 1, 2025
II.C.5	Conduct IDDE Training	At least once per permit term
II.E.3	Submit post-construction BMPs Inventory	February 1, 2026

PERMIT SECTION	ACTIVITY	COMPLIANCE DATE
II.E.4	Remove Green Infrastructure ordinance barriers	February 1, 2026
II.F.1.b)	Calibrate all salt application equipment	Annually
II.F.1.d)	Evaluate winter road management program to identify potential improvements for its salt reduction strategy.	Annually
II.F.1.e)	Conduct Salt Strategy Training	Every other year
II.F.5.a)(7)	Conduct SWPPP inspections	Quarterly visual inspections and annual facility compliance inspections
II.F.5.a)(8)	Conduct SWPPP Training	Annually
II.F.5.b)	Submit all existing SWPPPs	March 31, 2024
II.F.6.	Conduct Pollution Prevention Training	At least once during the permit term
II.J	Submit MS4 Annual Report	March 31 st each year
II.K	Submit a reapplication package (see permit condition for list of required information).	August 4, 2028
III.A.1	Submit TMDL Pollutant Load Reduction Evaluation for TSS and TP	February 1, 2027
III.A.2	Submit WLA Attainment Analysis for TSS and TP	August 1, 2027
III.A.3	Submit WLA Benchmarks for TSS and TP	August 4, 2028
III.A.4.a)	Submit a Bacteria Indicator and Action Level	February 1, 2025
III.A.4.b)	Submit Fecal Coliform Inventory	February 1, 2027

PERMIT SECTION	ACTIVITY	COMPLIANCE DATE
III.A.4.c)	Submit Fecal Coliform Source Elimination Plan	August 4, 2028
III.B.1	Complete the construction of at least two municipally owned and operated structural stormwater management BMPs within the City's limits and notify the Department upon completion.	Upon completion, by end of permit term
III.B.2	Submit documentation showing the current status (within 30 days of the evaluation submittal) of Edgerton Channel. If the City or Department determines maintenance or further actions to deter residential dumping is needed, by August 1, 2027, the City shall submit its plan of action to conduct the needed actions.	March 31, 2027

V. STANDARD CONDITIONS

The conditions in s. NR 205.07(1) and (3), Wis. Adm. Code, are incorporated by reference in this permit. The Permittee shall meet these requirements. Some of these requirements are outlined below in paragraph A. to R. Requirements not specifically outlined below can be found in s. NR 205.07(1) and (3), Wis. Adm. Code.

A. DUTY TO COMPLY:

The Permittee shall comply with all conditions of the permit. Any permit noncompliance is a violation of the permit and is grounds for enforcement action, permit revocation or modification, or denial of a permit reissuance application.

B. COMPLIANCE SCHEDULES:

Reports of compliance or noncompliance with interim and final requirements contained in any compliance schedule of the permit shall be submitted in writing within 14 days after the schedule date, except that progress reports shall be submitted in writing on or before each schedule date for each report. Any report of noncompliance shall include the cause of noncompliance, a description of remedial actions taken, and an estimate of the effect of the noncompliance on the municipality's ability to meet the remaining schedule dates.

C. NONCOMPLIANCE NOTIFICATION:

1. Upon becoming aware of any permit noncompliance including noncompliance that may endanger public health or the environment, the Permittee shall report this information by a telephone call to the Department within 24 hours. A written report describing the noncompliance shall be submitted to the Department within 5 days after the municipality became aware of the noncompliance. The Department may waive the written report on a case-by-case basis based on the oral report received within 24 hours. The written report shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times; the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance; and if the noncompliance has not been corrected, the length of time it is expected to continue.

NOTE: Section 292.11(2)(a), Wisconsin Statutes, requires any person who possesses or controls a hazardous substance or who causes the discharge of a hazardous substance to notify the Department of Natural Resources immediately of any discharge not authorized by the permit. The discharge of a hazardous substance that is not authorized by this permit or that violates this permit may be a hazardous substance spill. To report a hazardous substance spill, call DNR's 24-hour HOTLINE at 1-800-943-0003.

2. Reports of any other noncompliance not covered under General Condition's B, C.1, or E shall be submitted with the annual report. The reports shall contain all the information listed in General Condition C.1.

D. DUTY TO MITIGATE

The Permittee shall take all reasonable steps to minimize or prevent any adverse impact on the waters of the state resulting from noncompliance with the permit.

E. SPILL REPORTING

The Permittee shall immediately notify the Department, in accordance with s. 292.11(2)(a), Wis. Stats., which requires any person who possesses or controls a hazardous substance or who causes the discharge of a hazardous substance to notify the DNR immediately of any discharge not authorized by the permit. The discharge of a hazardous substance that is not authorized by this permit or that violates this permit may be a hazardous substance spill. To report a hazardous substance spill, call the DNR's 24-hour HOTLINE at 1-800-943-0003.

Note: For details on state and federal reportable quantities, visit:
<https://dnr.wi.gov/topic/Spills/define.html>

F. PROPER OPERATION AND MAINTENANCE:

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control which are installed or used by the municipality to achieve compliance with the conditions of the permit and the storm water management program. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with conditions of this permit.

G. BYPASS:

The Permittee may temporarily bypass storm water treatment facilities if necessary for maintenance, or due to runoff from a storm event which exceeds the design capacity of the treatment facility, or during an emergency.

H. DUTY TO HALT OR REDUCE ACTIVITY:

Upon failure or impairment of best management practices identified in the storm water management program, the Permittee shall, to the extent practicable and necessary to maintain permit compliance, modify or curtail operations until the best management practices are restored, or an alternative method of storm water pollution control is provided.

I. REMOVED SUBSTANCES:

Solids, sludges, filter backwash or other pollutants removed from or resulting from treatment or control of storm water shall be stored and disposed of in a manner to prevent any pollutant from the materials from entering the waters of the state, and to comply with all applicable Federal, State, and Local regulations.

J. ADDITIONAL MONITORING:

If a Permittee monitors any pollutant more frequently than required by the permit, the results of that monitoring shall be recorded and reported in accordance with this chapter. Results of this additional monitoring shall be included in the calculation and reporting of the data submitted in the annual report.

K. INSPECTION AND ENTRY:

The Permittee shall allow an authorized representative of the Department, upon the presentation of credentials, to:

1. Enter upon the municipal premises where a regulated facility or activity is located or conducted, or where records are required under the conditions of the permit.
2. Have access to and copy, at reasonable times, any records that are required under the conditions of the permit.
3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under the permit.
4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance, any substances or parameters at any location.

L. DUTY TO PROVIDE INFORMATION:

The Permittee shall furnish the Department, within a reasonable time, any information which the Department may request to determine whether cause exists for modifying, revoking or reissuing the permit or to determine compliance with the permit. The municipality shall also furnish the Department, upon request, copies of records required to be kept by the municipality.

M. PROPERTY RIGHTS:

The permit does not convey any property rights of any sort, or any exclusive privilege. The permit does not authorize any injury or damage to private property or an invasion of personal rights, or any infringement of federal, state or local laws or regulations.

N. DUTY TO REAPPLY:

If the Permittee wish to continue an activity regulated by the permit after the expiration date of the permit, the municipality shall apply for a new permit at least 180 days prior to the expiration date of the permit. If a timely and complete application for a new permit is filed and the permit is not reissued by the time the existing permit expires, the existing permit remains in effect until the application is acted upon.

O. OTHER INFORMATION:

When a Permittee becomes aware that it failed to submit any relevant facts in a permit application or submitted incorrect information in a permit application or in any report to the Department, it shall promptly submit such facts or correct information to the Department.

P. RECORDS RETENTION:

The Permittee shall retain records of all monitoring information, copies of all reports required by the permit, and records of all data used to complete the application for the permit for a period of at least 5 years from the date of the sample, measurement, report or application. The Department may request that this period be extended by issuing a public notice to modify the permit to extend this period.

Q. PERMIT ACTIONS:

As provided in s. 283.53, Wis. Stats., after notice and opportunity for a hearing the permit may be modified or revoked and reissued for cause. If a municipality files a request for a permit modification, revocation or reissuance, or a notification of planned changes or anticipated noncompliance, this action by itself does not relieve the municipality of any permit condition.

R. SIGNATORY REQUIREMENT:

All applications, reports or information submitted to the Department shall be signed for by a ranking elected official, or other person authorized by them who has responsibility for the overall operation of the municipal separate storm sewer system and storm water management program activities regulated by the permit. The representative shall certify that the information was gathered and prepared under their supervision and based on inquiry of the people directly under their supervision that, to the best of their knowledge, the information is true, accurate, and complete.

S. ENFORCEMENT ACTION:

The Department is authorized under ss. 283.89 and 283.91, Wis. Stats., to use citations or referrals to the Department of Justice to enforce the conditions of this permit. Violation of a condition of this permit is subject to a fine of up to \$10,000 per day of violation.

T. ATTAINMENT OF WATER QUALITY STANDARDS AFTER AUTHORIZATION:

Except for situations where a TMDL has been approved by US EPA during the permit term, at any time after authorization, the Department may determine that the discharge of storm water from a Permittee's MS4 may cause, have the reasonable potential to cause, or contribute to an excursion of any applicable water quality standard. If such determination is made, the Department may require the permittee to do one of the following:

1. Develop and implement an action plan to address the identified water quality concern to the satisfaction of the Department.
2. Submit valid and verifiable data and information that are representative of ambient conditions to demonstrate to the Department that the receiving water or groundwater is attaining the water quality standard.

VI. DEFINITIONS

Definitions for some of the terms found in this permit are as follows:

1. **Department** means the Wisconsin Department of Natural Resources.
2. **Development** means residential, commercial, industrial and institutional land uses and associated roads.
3. **Erosion** means the process by which the land's surface is worn away by the action of wind, water, ice or gravity.
4. **Hazardous substance** means any substance or combination of substances including any waste of a solid, semisolid, liquid or gaseous form which may cause or significantly contribute to an increase in mortality or an increase in serious irreversible or incapacitating reversible illness or which may pose a substantial present or potential hazard to human health or the environment because of its quantity, concentration or physical, chemical or infectious characteristics. This term includes, but is not limited to, substances which are toxic, corrosive, flammable, irritants, strong sensitizers or explosives as determined by the Department.
5. **Illicit connection** means any man-made conveyance connecting an illicit discharge to a municipal separate storm sewer system.
6. **Illicit discharge** means any discharge to a municipal separate storm sewer system that is not composed entirely of storm water except discharges authorized by a WPDES permit or other discharge not requiring a WPDES permit such as landscape irrigation, individual residential car washing, firefighting, diverted stream flows, uncontaminated groundwater infiltration, uncontaminated pumped groundwater, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, lawn watering, flows from riparian habitats and wetlands, and similar discharges. However, the occurrence of a discharge listed above may be considered an illicit discharge on a case-by-case basis if the permittee or the Department identifies it as a significant source of a pollutant to waters of the state.
7. **Impaired water** means a waterbody impaired in whole or in part and listed by the Department pursuant to 33 USC § 1313(d)(1)(A) and 40 CFR 130.7, for not meeting a water quality standard, including a water quality standard for a specific substance or the waterbody's designated use.
8. **Inactive site** a site that is stabilized prior to winter in which no construction activities will take place. For example, the site operator may complete mass grading and BMP construction in summer, stabilize the site, and resume construction the following spring. An inactive site could also be a site for which permits issued, but land disturbing activity has not yet started.
9. **Infiltration** means the entry and movement of precipitation or runoff into or through soil.
10. **Jurisdiction** means the area where the permittee has authority to enforce its ordinances or otherwise has authority to exercise control over a particular activity of concern.

- 11. Land disturbing construction activity** means any man-made alteration of the land surface resulting in a change in the topography or existing vegetative or non-vegetative soil cover that may result in storm water runoff and lead to increased soil erosion and movement of sediment into waters of the state. Land disturbing construction activity includes clearing and grubbing, demolition, excavating, pit trench dewatering, filling and grading activities.
- 12. Major outfall** means a municipal separate storm sewer outfall that meets one of the following criteria:
1. A single pipe with an inside diameter of 36 inches or more, or from an equivalent conveyance (cross sectional area of 1,018 square inches) which is associated with a drainage area of more than 50 acres.
 2. A municipal separate storm sewer system that receives storm water runoff from lands zoned for industrial activity that is associated with a drainage area of more than 2 acres or from other lands with 2 or more acres of industrial activity, but not land zoned for industrial activity that does not have any industrial activity present.
- 13. Municipality** means any city, town, City, county, county utility district, town sanitary district, town utility district, school district or metropolitan sewage district or any other public entity created pursuant to law and having authority to collect, treat or dispose of sewage, industrial wastes, storm water or other wastes.
- 14. Municipality Operated BMP** means a structural storm water management practice or BMP which is not owned by the Municipality which the municipality has a maintenance agreement with the owner and takes credit for pollutants removed from the BMP.
- 15. Municipal Separate Storm Sewer System or MS4** means a conveyance or system of conveyances including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, constructed channels or storm drains, which meets all of the following criteria:
1. Owned or operated by a municipality.
 2. Designed or used for collecting or conveying storm water.
 3. Which is not a combined sewer conveying both sanitary and storm water.
 4. Which is not part of a publicly owned wastewater treatment works that provides secondary or more stringent treatment
- 16. New MS4 discharge of a pollutant** means an MS4 discharge that would first occur after the permittee's original date of initial coverage under an MS4 permit to a surface water to which the MS4 did not previously discharge storm water, and does not include an increase in an

MS4's discharge to a surface water to which the MS4 discharged on or before coverage under this permit.

17. **Outfall** means the point at which storm water is discharged to waters of the state or to a storm sewer (e.g., leaves one municipality and enters another).
18. **Permittee** means a person who has applied for and received WPDES permit coverage for storm water discharge. For the purposes of this permit, permittee is the owner or operator of a municipal separate storm sewer system authorized to discharge storm water into waters of the state.
19. **Permitted area** means the areas of land under the jurisdiction of the permittee that drains into a municipal separate storm sewer system, which is regulated under a permit issued pursuant to Subch. I of NR 216, Wis. Adm. Code
20. **Pollutants of concern** means a pollutant that is causing impairment of a waterbody.
21. **Reach** means a specific stream segment, lake or reservoir as identified in a TMDL.
22. **Reachshed** means the drainage area contributing runoff to a given reach.
23. **Redevelopment** means areas where development is replacing older development.
24. **Riparian landowners** are the owners of lands bordering lakes and rivers.
25. **Sediment** means settleable solid material that is transported by runoff, suspended within runoff or deposited by runoff away from its original location.
26. **Start Date** is the date of permit coverage under this permit, which is specified in the Department letter authorizing coverage.
27. **Storm water management practice or Best Management Practice (BMP)** means structural or non-structural measures, practices, techniques or devices employed to avoid or minimize soil, sediment or pollutants carried in stormwater runoff to waters of the state.
28. **Storm Water Pollution Prevention Plan or SWPPP** refers to the development of a site-specific plan that describes the measures and controls that will be used to prevent and/or minimize pollution of storm water.
29. **Total maximum daily load or TMDL** means the amount of pollutants specified as a function of one or more water quality parameters, that can be discharged per day into a water quality limited segment and still ensure attainment of the applicable water quality standard.

- 30. **Urbanized area** means a place and the adjacent densely settled surrounding territory that together have a minimum population of 50,000 people, as determined by the U.S. bureau of the census based on the latest decennial federal census.
- 31. **Wasteload Allocation** or **WLA** means the allocation resulting from the process of distributing or apportioning the total maximum daily load to each individual point source discharge.
- 32. **Waters of the State** has the meaning given it in s. 283.01(20), Wis. Stats.
- 33. **WPDES permit** means a Wisconsin Pollutant Discharge Elimination System permit issued pursuant to ch. 283, Wis. Stats.

VII. TSS AND TP WASTELOAD ALLOCATIONS

The following tables identifies the total suspended solids (TSS) and total phosphorus (TP) reduction goals for each reachshed identified in the “Total Maximum Daily Loads for Total Phosphorus, Total Suspended Solids, and Fecal Coliform Milwaukee River Basin, Wisconsin” Report. The values represent the load reductions required from a no-controls scenario.

Table 4: Milwaukee River Basin

Reachshed (TMDL Subbasin)	TSS % Reduction from No-controls	TP % Reduction from No-controls
KK-4	84%	89.8%

Note: The MS4 percent reductions in the Milwaukee River Basin TMDL report assumed MS4 permittees were achieving baseline reduction levels of 20% for TSS and 15% for TP. However, as the Permittee was not achieving baseline reduction levels, corrections had to be made. The table provides the corrected values using the equations from the Department’s MS4 TMDL Modeling Guidance: https://dnr.wisconsin.gov/topic/Stormwater/standards/ms4_modeling.html