

WPDES MS4 General Permit No. WI-S050075-2: What Covered Municipalities Need to Know

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Topics for Today

- Purpose of today's presentation and background information
- Overview of the general permit
- New requirements/significant changes from previous version of general permit
- Compliance schedule
- Questions



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Kent Borchering has spent over 20 years building bait houses for Yellowstone Lake State Park and his bait boxes are home to more than 4,000 little brown bats in summer. Learn more about the Yellowstone Lake colony and the bait houses, and chat with bait experts like Kent at the 2014 Wisconsin Bait Festival (Oct 3-4) in Milwaukee, WI!

Natural Resources donates 110 young pheasants to Richard Center High School
Report highlights Menominee Valley success during 20th anniversary of brownfields law

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Parks & Forests App: Available Now! Our very own FREE Wisconsin DNR Mobile App. The Official Wisconsin State Parks & Forests guide to FREE to download and will enhance any of your state park or forest visits.

Explore Outdoors: Search your state to go and things to do on state lands around the state.

Wildlife & Fish App: Available Now! Our very own FREE Wisconsin DNR Mobile App. Connecting old traditions with new technology - making it easier for humans, anglers and wildlife watchers to connect.

Parks & Recreation: Wisconsin parks offer great adventures throughout the year.

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HOTLINES
1-800-887-WISDNR or 1-800-847-9267 - Confidentially report suspected wildlife, recreational, and environmental violations.
1-800-298-7463 - General questions seven days a week, 7 a.m. to 10 p.m. | 24-Hour Spill Emergency hotline: 1-800-943-0803

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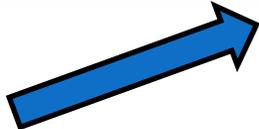
Wisconsin Department of Natural Resources | 101 S. Webster Street, PO Box 7821 | Madison, Wisconsin 53707-7821

Call 1-800-669-7463 from 7 a.m. - 10 p.m.

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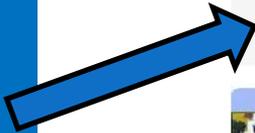
Keyword: storm water



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Storm water runoff permits

- Construction
- Industrial
- Municipal



Storm water permits, forms, and other information



Urban storm water runoff contains pollutants from roads, parking lots, construction sites, industrial storage yards and lawns. The Storm Water Program regulates storm water discharges from construction sites, industrial facilities and municipalities. These web pages provide program news, permit forms, permit data and technical assistance.

Learn more



What is storm water
Problems
Regulations
Pollution prevention
Photo gallery
Frequently Asked Questions

Technical standards



Construction standards
Post-construction standards
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West Nile Virus

Guidance & resources



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Construction permits



Permit overview
Erosion control and storm water management plans
Permit forms
Permit data
Practices and information

Industrial permits



Permit overview
Permit forms
Permit data
No Exposure certification
SIC codes in NR 216

Municipal permits



Permit overview
Municipal permittees
Presentations and fact sheets
Whose pond is it anyway?

MS4 General Permits

important information concerning the DNR's MS4 General Permits

Read Important Information concerning the DNR's MS4 General Permits



Grant programs

Targeted Runoff Management
Urban Nonpoint Source & Storm Water Management

Contact information

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Storm Water Program Coordinator

Last revised: Friday May 09 2014



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Municipal storm water permits

Important information concerning the DNR's MS4 General Permits

Effective May 1, 2014, the DNR has issued WPDES MS4 general permits WI-S050075-2 and WI-S050181-1.

- [WPDES General Permit WI-S050075-2 \[PDF\]](#)
- [WPDES General Permit WI-S050181-1 \[PDF\]](#)
- [DNR response to comments \[PDF\]](#)
- [List of municipalities covered under WPDES General Permit WI-S050075-2 \[PDF\]](#) (updated Wednesday September 10 2014)

Webinar announcement

| | |
|--------------|--|
| Date/time | Thursday, October 9, 2014, 1:30 p.m. – 3:30 p.m. |
| Title | WPDES MS4 General Permit No. WI-S050075-2: What Covered Municipalities Need to Know |
| Description | <p>In May 2014 the Wisconsin Department of Natural Resources reissued Municipal Separate Storm Sewer System (MS4) General Permit No. WI-S050075-2 [PDF]. This MS4 General Permit covers storm water discharges to waters of the state from 142 municipalities statewide. This webinar will provide an overview of the MS4 General Permit, the changes from the previous version, and the compliance schedule. Time for questions will be provided.</p> <p>This webinar is intended for the municipalities covered under MS4 General Permit No. WI-S050075-2. However, the webinar is open to all who are interested.</p> |
| Registration | <p>The webinar is free of charge and representatives of municipalities covered under MS4 General Permit No. WI-S050075-2 are highly encouraged to participate.</p> <p>» Register [exit DNR]</p> |

Storm water runoff

Learn more

[about storm water runoff](#)

Plan

[with technical standards](#)

Municipal permits

- [Permit overview](#)
- [Municipal permittees](#)
- [Presentations and fact sheets](#)
- [Whose pond is it anyway?](#)

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- [Learn more](#)
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Contact information

For information on this page, contact:

[Jim Bertolacini](#)
Storm Water Program
Coordinator

More than two hundred municipalities in Wisconsin that include cities, villages, towns and counties within urbanized areas are required to have Municipal Separate Storm Sewer System (MS4) permits under [NR 216, Wis. Adm. Code \[exit DNR\]](#). Use the links below to find out who is affected, how municipalities comply with permit requirements,



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- Select topics of interest from list and click on submit

Purpose of today's presentation and background information

- Permit No. WI-S050075-2 reissued May 1, 2014
- Provides continuity of coverage for 142 MS4 general permittees ([see list on DNR website](#))
- MS4 permittees need to know what the general permit requires and the compliance schedule
- Separate track for Permit No. WI-S050181-1

Brief history and overview of MS4 program

- Certain storm water discharges require a permit under Federal Clean Water Act. Storm water discharge permitting delegated to Wisconsin.
- Wisconsin law under s. 283.33 stats. authorizes DNR to promulgate rules for storm water discharges. Section 281.16(2) stats. authorizes DNR to promulgate rules for non-agricultural performance standards.
- Storm water permits administered under NR 216 and performance standards of NR 151 implemented through permit program.

Subchapter I of NR 216

- Addresses storm water quality concerns associated with urban runoff
- Prevent the discharge of pollutants from MS4s to waters of the state
- Identifies municipalities requiring coverage under an MS4 permit
- Specifies permit requirements

Overview of the general permit

- Retains the overall structure and requirements of the previous version of the general permit:
 - Section 1 – Applicability Criteria
 - Section 2 – Permit Conditions
 - Section 3 – Standard Conditions
 - Section 4 – Definitions Used in the Permit

[MS4 general permit no. WI-S050075-2](#)

Page 1 of 26
WPDES Permit No. WI-S050075-2



**STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES**

**GENERAL PERMIT TO DISCHARGE UNDER THE WISCONSIN
POLLUTANT DISCHARGE ELIMINATION SYSTEM
WPDES PERMIT NO. WI-S050075-2**

In compliance with the provisions of ch. 283 Wis. Stats., and chs. NR 151 and 216, Wis. Adm. Code, owners and operators of municipal separate storm sewer systems are permitted to discharge storm water from all portions of the

MUNICIPAL SEPARATE STORM SEWER SYSTEM

owned or operated by the municipality to waters of the state in accordance with the conditions set forth in this permit.

With written authorization by the Department, this permit will be used to cover a municipal separate storm sewer system initially covered under a previous version of a municipal separate storm sewer system permit. The **Start Date** of coverage under this permit is the date of the Department letter sent to the municipality authorizing coverage under this permit. The Department is required to charge an annual permit fee to owners and operators authorized to discharge under this permit in accordance with s. 283.23(9), Wis. Stats., and s. NR 216.08, Wis. Adm. Code.

State of Wisconsin Department of Natural Resources
For the Secretary

By 
Pamela A. Biersack, Director
Bureau of Watershed Management
Division of Water


Date Permit Signed/Issued

PERMIT EFFECTIVE DATE: May 1, 2014 **EXPIRATION DATE:** April 30, 2019

● 2.1 – 2.6 Six minimum control measures

- Public Education and Outreach
- Public Involvement and Participation
- Illicit Discharge Detection and Elimination
- Construction Site Pollutant Control
- Post-Construction Storm Water Management
- Pollution Prevention

Permittees are required to maintain and continue to implement the six minimum control measures

- 2.7 Storm Water Quality Management
- 2.8 Storm Sewer System Map
- 2.9 Annual Report

New requirements/significant changes

- 1.5 Impaired Waterbodies and Total Maximum Daily Load Requirements
- Illicit Discharge Detection and Elimination: 2.3.2 On-going dry weather field screening
- Construction Site Pollutant Control: 2.4.1 Erosion and sediment control ordinance
- Post-Construction Storm Water Management: 2.5.1 Post-construction storm water ordinance

New requirements/significant changes (cont.)

- Pollution Prevention: 2.6.1 Inventory of municipally owned or operated structural storm water management facilities
- Pollution Prevention: 2.6.5 Deicing activities
- Pollution Prevention: 2.6.7 Storm water pollution prevention for municipal facilities
- Storm Water Quality Management: 2.7.1 Total suspended solids reduction

New requirements/significant changes (cont.)

- 2.9 Annual Report
- 2.10 Cooperation
- 2.11 Compliance Schedule for New and Updated Permit Requirements
- 3.8 Bypass

1.5 Impaired Water Bodies and Total Maximum Daily Load Requirements

- 1.5.1 – Timeframes for permittee to determine discharges to impaired water: Within 90 days after the start date of permit coverage under this permit and by March 31 of each odd-numbered year thereafter
- 1.5.4 – Implementation of an approved TMDL

1.5.4 – Implementation of an approved TMDL

- Sections 1.5.4.1 and 1.5.4.2 – Compliance schedule for meeting TMDL implementation provisions based on when TMDL approved
- Section 1.5.4.3 – Update storm sewer system map, identify areas to exclude
- Section 1.5.4.4 – Tabular summary of modeling analysis, existing storm water controls
- Written plan if not achieving waste load allocation

Illicit Discharge Detection and Elimination:

2.3.2 On-going dry weather field screening

- Focuses on ongoing dry weather field screening for priority outfalls
- Priority outfalls screened once per year
- All major outfalls screened at least once during the permit term
- General permit references the [DNR's IDDE guidance](#)

2013 Wisconsin Act 20

- All previous references in s. 281.33 (3) changed from “minimum” standards to “uniform statewide” standards
- DNR shall require a municipality to comply with uniform statewide standards for ordinances enacted by a municipality
- DNR is authorized to determine that the performance standards in NR 151 satisfy the requirement for the DNR to establish the uniform statewide standards
- Section 281.33(6): Municipalities have the authority to adopt ordinances with stricter provisions than the uniform statewide standards to control storm water quantity or control flooding, or to comply with federally approved TMDL requirements; or for existing development or redevelopment
- Uniform statewide standards guidance

Construction Site Pollutant Control: 2.4.1

Erosion and sediment control ordinance

- Section 2.4.1.3
 - Within 24 months, update erosion and sediment control ordinance to contain construction site performance standards equivalent to ss. NR 151.11(6m) [*non-agricultural*] and 151.23(4m) [*transportation facility*]
 - Post-January 1, 2011 performance standards for construction sites of one acre or more of land disturbance:
 - Erosion and sediment control practices
 - Sediment performance standards
 - Preventive measures

Post-Construction Storm Water Management:

2.5.1 Post-construction storm water ordinance

- Section 2.5.1.3 – New Development and Infill
 - Within 24 months, update post-construction storm water ordinance to contain post-construction performance standards equivalent to ss. NR 151.122 through 151.126 [*non-agricultural*] and 151.242 through 151.246 [*transportation facility*]
 - Post-construction performance standards, New Development and Infill:
 - Total suspended solids
 - Peak discharge
 - Infiltration
 - Protective areas
 - Fueling and vehicle maintenance areas

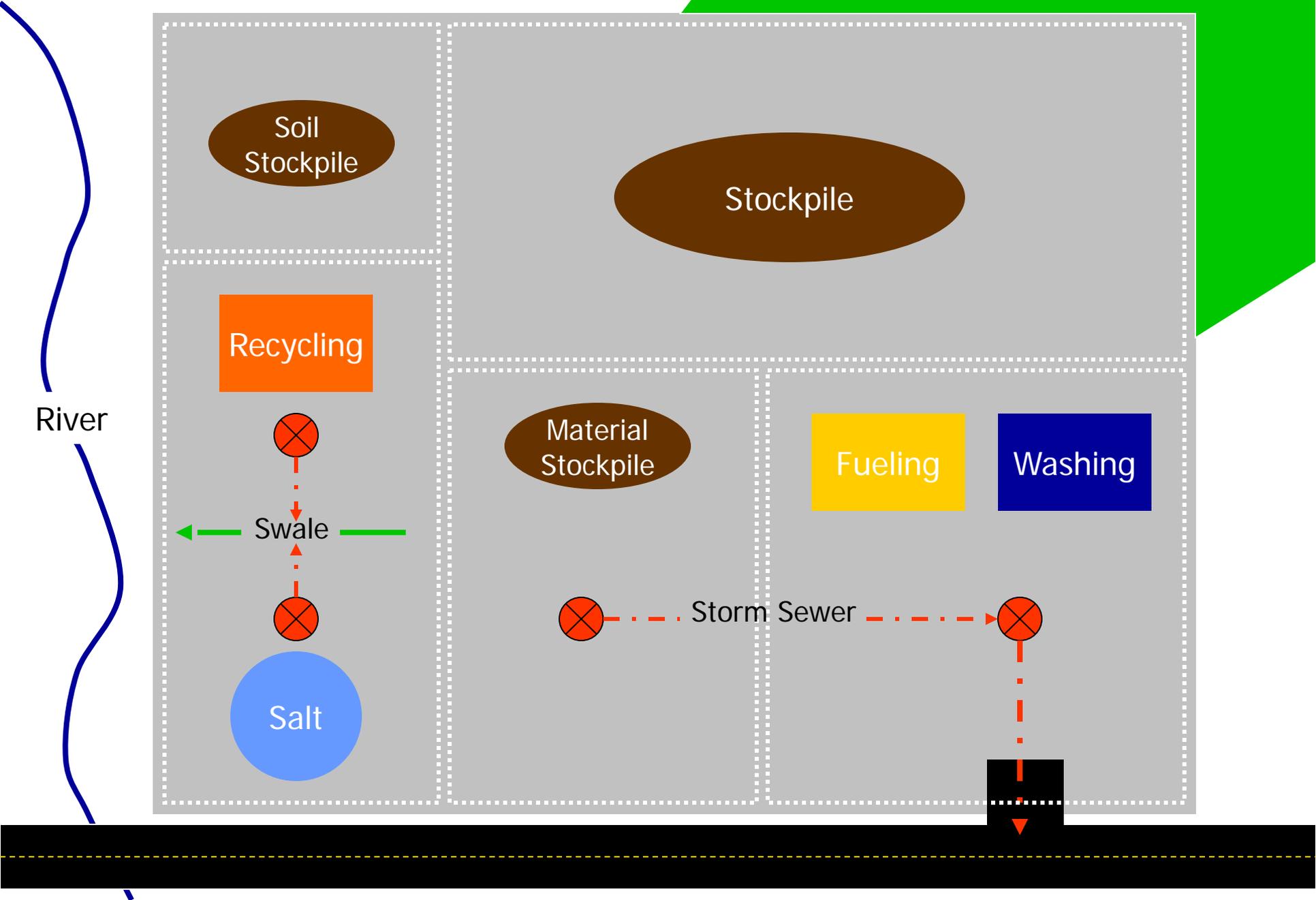
- Section 2.5.1.4 – Redevelopment
 - Within 24 months, update post-construction storm water ordinance to contain post-construction performance standards equivalent to or more restrictive than those in ss. NR 151.122 through 151.126 [*non-agricultural*] and 151.242 through 151.246 [*transportation facility*]
 - Post-construction performance standards, Redevelopment:
 - Total suspended solids
 - Peak discharge
 - Infiltration
 - Protective areas
 - Fueling and vehicle maintenance areas

Pollution Prevention

- 2.6.1 Inventory of municipally owned or operated structural storm water management facilities
- 2.6.5 Submittal of information on deicing activities and management of snow and ice
- 2.6.7 Storm water pollution prevention planning for municipal garages, storage areas, and other municipal facilities

Hartsookville DPW Yard

Wetland



Soil Stockpile

Stockpile

Recycling

Material Stockpile

Fueling

Washing

Salt

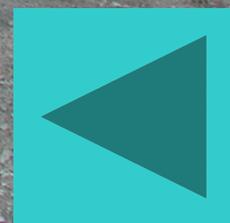
Swale

Storm Sewer

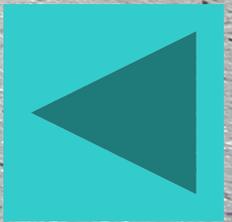
River



Fueling Island



Material Storage



Recycling Storage



DEPOSITS LATER
PAID HERE
WE CANNOT ACCEPT
OIL BASED PAINTS OR
THICKENERS
STRAIGERS

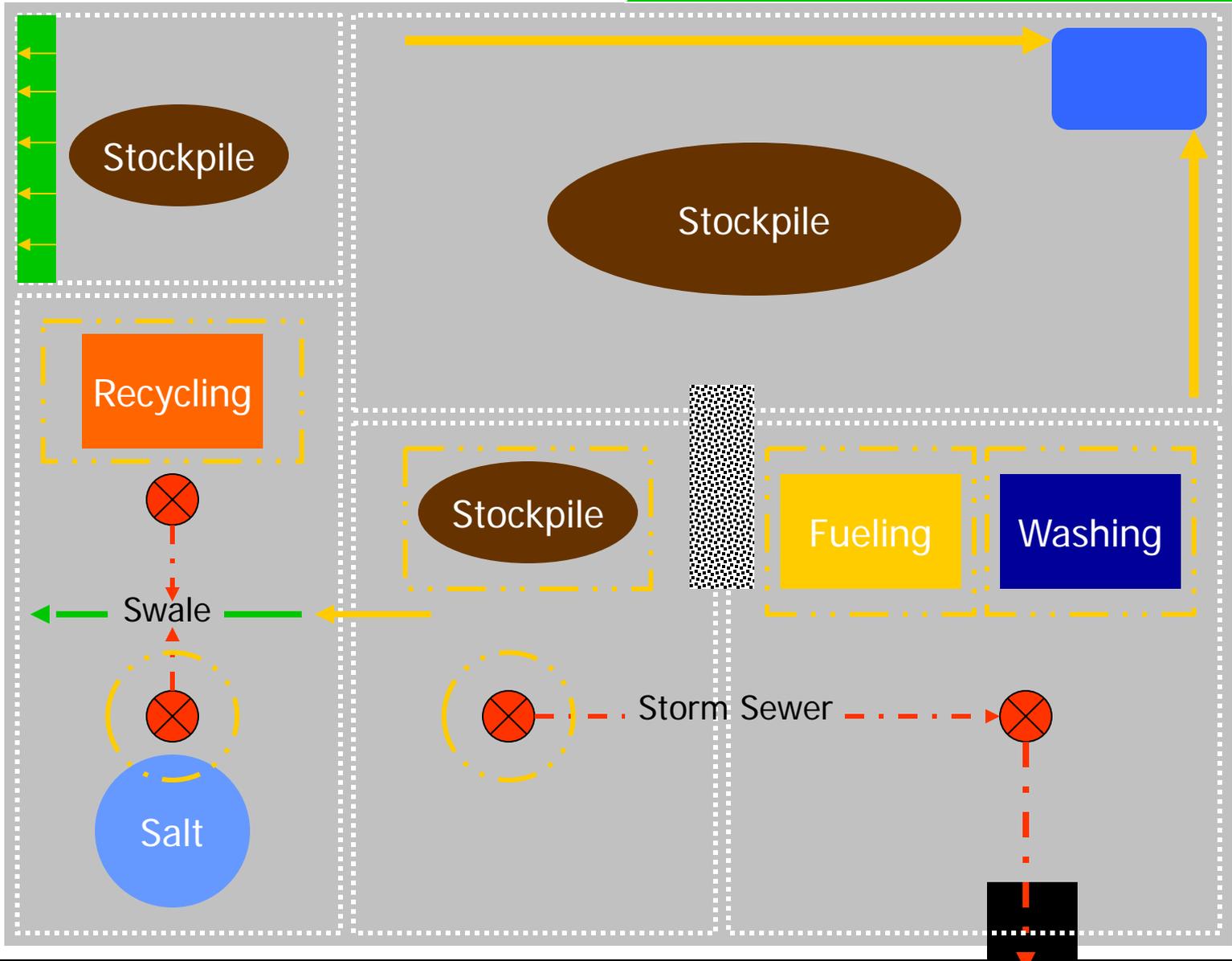

ANYTIME
← →

LEACH

New Hartsookville DPW Yard

Wetland

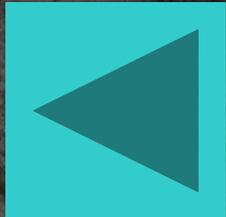
River





SC

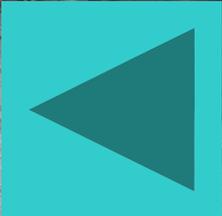
Fuel Island Canopy





SC

No Exposure





SC

No Exposure

Storm Water Quality Management: 2.7.1

Total suspended solids reduction

- Implements changes to developed urban area performance in standard due to [2011 Wisconsin Act 32](#). Meet the more restrictive of either:
- Maintain controls, facilities, practices implemented on or before July 1, 2011 to achieve a reduction of 20% or more of total suspended solid; or
- A 20% reduction in the annual average mass of total suspended solids. Controls, facilities, and practices implemented shall be maintained.

- 2.9 Annual Report
 - Request for additional information
 - Evaluation of program compliance
 - Appropriateness of identified best management practices
 - Progress towards achieving identified measurable goals
- Section 2.10 Cooperation
 - Conditions under which a permittee may rely on another municipality or contract with another entity to satisfy a permit condition
- 2.11 Compliance Schedule
 - Updated compliance schedule for new and updated permit requirements

| PERMIT SECTION | ACTIVITY | COMPLIANCE DATE | COMMENTS |
|------------------------------|--|---|--|
| Section 1.5.1 | Discharges to an impaired waterbody | Within 90 days of start date and by March 31 of each odd-numbered year thereafter | All permittees. |
| Section 1.5.4.3 | Updated storm sewer system map and excluded areas | TMDL approved prior to the effective date of this permit: March 31, 2015 ★ TMDL approved after the effective date of this permit: Within 24 months of date of approval of TMDL | Applies to a permittee that discharges to an impaired waterbody with an approved TMDL that assigns the permittee a wasteload allocation. |
| Section 1.5.4.4 | Tabular summary | TMDL approved prior to the effective date of this permit: March 31, 2018 TMDL approved after the effective date of this permit: Within 48 months of date of approval of TMDL | Applies to a permittee that discharges to an impaired waterbody with an approved TMDL that assigns the permittee a wasteload allocation. |
| Section 1.5.4.5 | Written plan | TMDL approved prior to the effective date of this permit: March 31, 2018 TMDL approved after the effective date of this permit: Within 48 months of date of approval of TMDL | Applies to a permittee not meeting all its wasteload allocations. |
| Section 2.4.1.3 | Updated construction site pollutant control ordinance | Within 24 months of date of notification of coverage under this permit | All permittees. |
| Sections 2.5.1.3 and 2.5.1.4 | Updated post-construction storm water management ordinance | Within 24 months of date of notification of coverage under this permit | All permittees. |
| Section 2.6.5 | Information on deicing activities | With annual report due March 31, 2016 and annually thereafter | All permittees. |
| Section 2.6.7 | Storm water pollution prevention planning for municipal facilities | With annual report due March 31, 2016 and annually thereafter | All permittees. |
| Section 2.9 | Annual report | March 31 of each year reporting on previous calendar year | All permittees. |

- Section 3.8 – Bypass

- USEPA requested clarification of the bypass language in the current version of the MS4 general permit

Reminder...

2.3.3 Procedures for responding to known or suspected illicit discharges. At a minimum, procedures shall be established for: ...

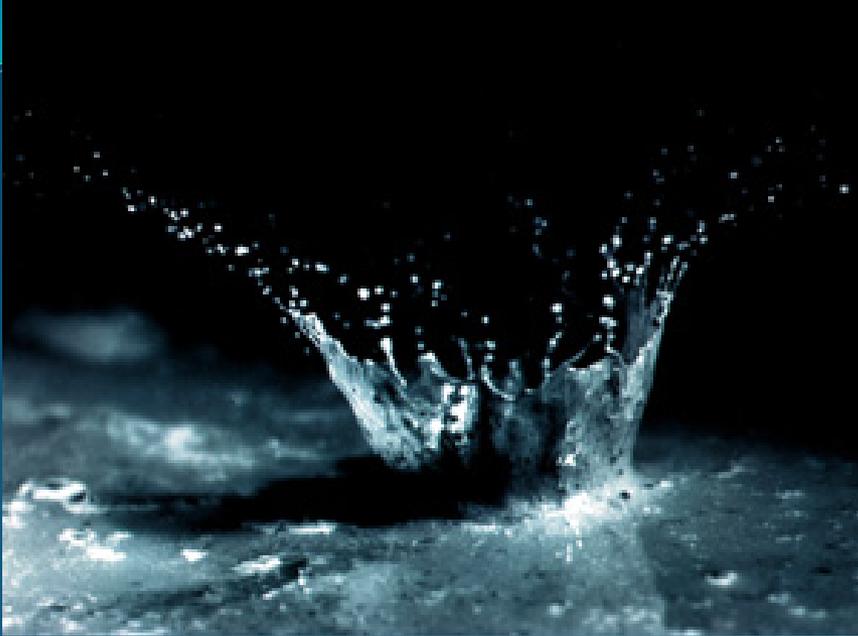
2.3.3.6 Providing the Department with advance notice of the time and location of dye testing within an MS4. Department notification prior to dye testing is required due to the likelihood that dye observed in waterways will be reported to the Department as an illicit discharge or spill.

Wrap Up...

- Table 1 - Compliance Schedule (page 20 of general permit)
- Additional Resources
 - TMDL Guidance for MS4 Permits (final pending)
 - Illicit Discharge Detection and Elimination Guidance
 - Uniform Statewide Standards Guidance (final pending)
- Possible Future Outreach
 - Feedback at end of presentation

- Urban Nonpoint Source & Storm Water Management Grant Program: search “nonpoint grant” at dnr.wi.gov
- Sign up for GovDelivery at dnr.wi.gov





Questions?

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