

Due by March 31, 2015

Notice: Pursuant to s. NR 216.07(8), Wis. Adm. Code, an owner or operator of a Municipal Separate Storm Sewer System (MS4) is required to submit an annual report to the Department of Natural Resources (DNR) by March 31 of each year to report on activities for the previous calendar year. This form is being provided by the DNR for the user's convenience. Personal information collected will be used for administrative purposes and may be provided to the extent required by Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].

This form is for reporting on activities undertaken in calendar year 2014.

Instructions: Complete each section of the form that follows. If additional space is needed to respond to a question, attach additional pages. Provide descriptions that explain the program actions taken to comply with the general permit. Complete and submit the annual report by March 31, 2015, to the appropriate address indicated on the last page of this form.

SECTION I. Municipal Information			
Name of Municipality		Facility ID No. (FIN)	
City of Beloit		31039	
Mailing Address	City	State	ZIP Code
100 State Street	Beloit	WI	53511
County(s) in which Municipality is located	Municipality Type: (select one)		
Rock	<input type="radio"/> County <input checked="" type="radio"/> City <input type="radio"/> Village <input type="radio"/> Town <input type="radio"/> Other (specify)		

SECTION II. Municipal Contact Information			
Name of Municipal Contact Person		Title	
William A. Frisbee		Storm Water Engineer	
Mailing Address (if different from above)	City	State	ZIP Code
2400 Springbrook Ct.	Beloit	WI	53511
Email	Phone Number (include area code)	Fax Number (include area code)	
frisbeew@beloitwi.gov	(608) 364-6699	(608) 364-2879	

SECTION III. Certification

I hereby certify that I am an authorized representative of the municipality covered under MS4 General Permit No. WI-S050075-2 for which this annual report is being submitted and that the information contained in this document and all attachments were gathered and prepared under my direction or supervision. Based on my inquiry of the person or persons under my direction or supervision involved in the preparation of this document, to the best of my knowledge, the information is true, accurate, and complete. I further certify that the municipality's governing body or delegated representatives have reviewed or been apprised of the contents of this annual report. I understand that Wisconsin law provides severe penalties for submitting false information.

Authorized Representative Printed Name	Authorized Representative Title		
Gregory Boysen	Public Works Director		
Signature of Authorized Representative	Date		
Email	Phone Number (include area code)	Fax Number (include area code)	
boyseng@beloitwi.gov	(608) 364-6693	(608) 364-2879	

SECTION IV. General Information

a. Describe what efforts the municipality has undertaken to invite the municipal governing body, interest groups, and the general public to review and comment on the annual report.

A copy of the annual report is given to the City Council and a copy of the report is available on the City's website.

b. Describe how elected and municipal officials and appropriate staff have been kept apprised of the municipal storm water discharge permit and its requirements.

Storm water permit issues are discussed at various Public Works meetings. Engineering staff works closely with other departments/divisions (Planning, Economic Development, City Manager, DPW) in the City to assure everyone is on the same page.

c. Has the municipality prepared its own municipal-wide storm water management plan? Yes No

If yes, title and date of storm water management plan:

SECTION IV. General Information (continued)

- d. Has the municipality entered into a written agreement with another municipality or a contract with another entity to perform one or more of the conditions as provided under section 2.10 of the general permit? Yes No

If yes, describe these cooperative efforts:

The City of Beloit is a member of the Rock River Stormwater Group (RRSG). The group collectively implements an annual work plan to meet the requirements of the permit for public education and outreach as well as public involvement and participation. See the attached RRSG summary.

- e. Does the municipality have an internet website? Yes No

If yes, provide web address:

www.beloitwi.gov

- If the municipality has an internet website, is there current information about or links provided to the MS4 general permit and/or the municipality's storm water management program? Yes No

If yes, provide web address:

http://www.beloitwi.gov/index.asp?Type=B_BASIC&SEC={C073A737-9D28-40C3-B891-7DB34EC263E5}&DE={12DB778C-BB19-4211-A0D2-9FF4503CEC10}

SECTION V. Permit Conditions

- a. **Minimum Control Measures:** For each of the permit conditions listed below, provide a description of the implementation of each program element, the status of meeting measurable goals, and compliance with permit schedule in section 2.11 of the MS4 general permit. Provide an evaluation of program compliance with the general permit, the appropriateness of identified best management practices, and progress towards achieving identified measurable goals. Be specific in describing the actions that have been taken during the reporting year to implement each permit condition and whether measurable goals have been met, including any data collected to document a measurable goal. Also, explain the reasons for any variations from the compliance schedule in the MS4 general permit.

- Public Education and Outreach

See the attached RRSG summary.

Had a booth at the Beloit Earth Day Celebration on April 26, 2014. Distributed native plant seeds with education materials on the benefits of infiltrating rainwater. Used our Enviroscope model to demonstrate sources of storm water pollution. we also had our ground water model to show infiltration and the effects and connections of pollution on different water sources.

Had a booth at the Beloit Farmer's Market on May 17, 2014. Distributed native plant seeds with education materials on the benefits of infiltrating rainwater. Also used our Enviroscope model to demonstrate sources of storm water pollution.

Did classroom visits at three different elementary schools to show storm and water pollution using the Enviroscope and groundwater models. In total we gave the presentation to nine classes ranging from 3rd-8th grades with an approximate total of 120 kids.(dates 5/21, 6/5 and 12/17)

Gave a presentation to the Significant Industrial Users Group on storm water discharge permits (June 10, 2014)

- Public Involvement and Participation

See the attached RRSG summary.

- Illicit Discharge Detection and Elimination

Did dry weather outfall inspections at 9 major outfalls. No illicit discharges were found.

- Construction Site Pollutant Control

The City has a construction site erosion and sediment control ordinance and permit. All required site plans are reviewed to assure compliance.

Construction sites are inspected for compliance weekly or after each rainfall event of 1/2" or greater.

SECTION V. Permit Conditions (continued)

- Post-Construction Storm Water Management
 - The City has a post construction storm water ordinance.
 - Site plans are reviewed for compliance.
 - The City started collecting maintenance agreements for BMPs. We need to get all of the agreements signed and recorded. Currently an ordinance requires BMPs to be maintained.
- Pollution Prevention
 - 2.6.1 - See attached list of municipally owned/operated structural storm water management facilities.
 - 2.6.2 - All storm water management ponds and basins are inspected in odd numbered years. Inspections were not completed in 2014.
 - 2.6.3 - All streets are swept routinely.
 - 2.6.4 - Street sweeping and catch basin waste are used or disposed of according to the City of Beloit's Low Hazard Exemption for street sweepings from the Wisconsin DNR.
 - 2.6.4 - Road salt is kept to a minimum. The City of Beloit uses salt brine which is more efficient at removing ice and preventing it from forming. This allows for less salt to be applied. The City of Beloit also uses GeoMelt to prevent icing from forming or sticking to the pavement.
 - 2.6.5 - Leaves and grass clippings are mulched and left on site for City properties. The City has a leaf-vac program where we vacuum leaves from the gutters in the fall. The City also offers curbside collection of bagged yard waste. When leaves and grass clippings are collected, they are stored in piles until they can be properly disposed of.
 - 2.6.6 - Each facility has a Spill Control Plan. Pollution Prevention Plans will be developed in 2015 to comply with the requirements of the new MS4 permit.
 - 2.6.7 - Will verify plans are in place in 2015.
 - 2.6.8 - Site specific Storm Water Pollution Prevention Plans will be developed in 2015. Staff at each facility will be trained to implement the plans.

b. Winter Road Management Activities (Optional reporting for 2014):

Provide the name, title, and phone number for the individual(s) with overall responsibility for winter roadway maintenance.

Describe the types of products used for winter road management (e.g. deicing, pre-wetting, salting, etc.).

Describe the type of equipment used to apply the products.

Report the amount of product used per month.

Report the snow disposal locations, if snow is hauled away.

Describe any anti-icing, equipment calibration, and salt reduction strategies considered.

Describe any other additional measurable data or information that the permittee used to evaluate its winter road management activities.

SECTION V. Permit Conditions (continued)

c. Municipal facility(s) (Optional reporting for 2014):

Provide an inventory of municipally owned or operated structural storm water management facility(s), include: Location of each facility and contact information for the individual(s) with overall responsibility for each facility.

Describe the housekeeping activities and best management practices installed to reduce or eliminate storm water contamination.

Discuss recommendations for improvements to current storm water management practices at the facility(s) and a timeline for installation and/or implementation of these recommendations.

Describe the municipal facility(s) employee training on storm water pollution prevention provided.

Describe the spill prevention and response procedures in place at the municipal facility(s).

d. Storm Water Quality Management: Has the municipality completed a pollutant-loading analysis to assess compliance with the 20% TSS reduction developed urban area performance standard? Yes No

If yes, provide the following: Model used SLAMM Version 9.2.4 Reduction (%) 31

If no, include a description of any actions the municipality has undertaken during 2014 to help achieve the 20% standard.

Has the municipality completed an evaluation of all municipal owned or operated structural flood control facilities to determine the feasibility of retrofitting to increase TSS removal? Yes No

If yes, describe:

Existing dry ponds were evaluated. The cost was cheaper to build new ponds at the golf course. The golf course ponds are not included in the 31% reduction from the model. Actual reduction is close to 40%. No more BMPs are needed for compliance after the 40% requirement was removed. Retrofitting may be a possibility for TMDL compliance.

e. Best Management Practices Maintenance: Does the municipality have a maintenance program for installed storm water best management practices? Yes No

If yes, describe the maintenance program and any maintenance activities that have occurred for best management practices in 2014. If available, attach any additional information on the maintenance program.

Storm manholes with sumps and outlet control devices such as Snouts and Stormceptor type devices are cleaned every 6 months.

Ponds are inspected every other year for required maintenance. Inspections were not done this year. Dry basins are typically mowed.

f. Storm Sewer System Map: Describe any changes or updates to the storm sewer system map made in the reporting year. Provide an updated map if any changes occurred during the reporting year.

The map was updated for changes to the storm sewer. No drainage basins or outfalls were changed.

SECTION VI. Fiscal Analysis

a. Provide a fiscal analysis that includes the annual expenditures for 2014, and the budget for 2014 and 2015. A table to document fiscal information is provided on page 7.

b. What financing/fiscal strategy has the municipality implemented to finance the requirements of the general permit?

- Storm water utility General fund Other _____

c. Are adequate revenues being generated to implement your storm water management program to meet the permit requirements? Yes No

Please provide a brief summary of your financing/fiscal strategy and any additional information that will assist the Department in understanding how storm water management funds are being generated to implement and administer your storm water management program.

The City of Beloit has a storm water utility that is the main funding source for storm water programs. In addition to the storm water utility, wastewater funds are used to correct storm water issues that are affecting the wastewater collection system.

SECTION VII. Inspections and Enforcement Actions

Note: If an ordinance listed below has previously been submitted and has not been amended since that time, a copy does not need to be submitted again. If the ordinance was previously submitted, indicate such in the space provided.

a. As of the date of this annual report, has the municipality updated or revised its construction site pollutant control ordinance in accordance with subsection 2.4.1 of the general permit? Yes No If yes, attach copy or provide web link to ordinance:

Previously submitted. Can be found under Municipal Code of Ordinances at www.beloitwi.gov

b. As of the date of this annual report, has the municipality updated or revised its post-construction storm water management ordinance in accordance with subsection 2.5.1 of the general permit? Yes No

If yes, attach copy or provide web link to ordinance: Previously submitted. Can be found under Municipal Code of Ordinanc

c. As of the date of this annual report, has the municipality updated or revised its illicit discharge detection and elimination ordinance in accordance with subsection 2.3.1 of the general permit? Yes No If yes, attach copy or provide web link to ordinance:

Previously submitted. Can be found under Municipal Code of Ordinances at www.beloitwi.gov

d. As of the date of this annual report, has the municipality adopted any other ordinances it has deemed necessary to implement a program under the general permit (e.g., pet waste ordinance, leaf management/yard waste ordinance, parking restrictions for street cleaning, etc.)? Yes No If yes, attach copy or provide web link to ordinance:

Previously submitted. Can be found under Municipal Code of Ordinances at www.beloitwi.gov

e. Provide a summary of available information on the number and nature of inspections and enforcement actions conducted during the reporting period to ensure compliance with the ordinances described in a. to d. above.

426 erosion control inspections were performed on permitted commercial properties.

SECTION VIII. Water Quality Concerns

a. Does any part of the MS4 discharge to an outstanding resource water (ORW) or exceptional resource water (ERW) listed under s. NR 102.10 or 102.11, Wis. Adm. Code? (A list of ORWs and ERWs may be found on the Department's Internet site at: <http://dnr.wi.gov/topic/surfacewater/orwerw.html>) Yes No If yes, list:

Turtle Creek - ERW

b. Does any part of the MS4 discharge to an impaired waterbody listed in accordance with section 303(d)(1) of the federal Clean Water Act, 33 USC § 1313(d)(1)(C)? (A list of the most current Wisconsin impaired waterbodies may be found on the Department's Internet site at: <http://dnr.wi.gov/water/impairedsearch.aspx?status=303d>) Yes No If yes, complete the following:

- Impaired waterbody to which the MS4 discharges:

Rock River - Total Suspended Solids and Total Phosphorous

SECTION VIII. Water Quality Concerns (continued)

- Description of actions municipality has taken to comply with section 1.5.2 of the MS4 general permit for discharges of pollutant(s) of concern to an impaired waterbody:

The City has two street sweepers that run whenever weather permits. One sweeper is a vacuum sweeper.

No sand is applied to the streets in winter.

A fall leaf collection program is in place to to remove leaves in a timely manner.

- c. Identify any known water quality improvements in the receiving water to which the MS4 discharges during the reporting period.

No known changes.

- d. Identify any known water quality degradation in the receiving water to which the MS4 discharges during the reporting period and what actions are being taken to improve the water quality in the receiving water.

No known changes.

SECTION IX. Proposed Program Changes

Describe any proposed changes to the storm water management program being contemplated by the municipality for 2015 and the schedule for implementing those changes. Proposed program changes must be consistent with the requirements of the general permit.

Develop site specific SWPPP consistent with the MS4 permit requirements for all municipal facilities.

Updating the storm water quality management plan. The plan update will let us know where we are with TMDL compliance.

SECTION X. Other

Any other additional information the permittee would like to provide in the Annual Report regarding their storm water program?

Fiscal Analysis Table. Complete the fiscal analysis table provided below.

Program Element	Annual Expenditure 2014	Budget		Source of Funds
		2014	2015	
Public Education and Outreach				SEE ATTACHED BUDGET
Public Involvement and Participation				
Illicit Discharge Detection and Elimination				
Construction Site Pollutant Control				
Post-Construction Storm Water Management				
Pollution Prevention				
Storm Water Quality Management (including pollutant-loading analysis)				
Storm Sewer System Map				
Other:				

NORTHERN REGION COUNTIES			WEST CENTRAL REGION COUNTIES		
Ashland	Langlade	DNR Service Center	Adams	Marathon	DNR Service Center
Barron	Lincoln	Attn: Storm Water Program	Buffalo	Monroe	Attn: Storm Water Program
Bayfield	Oneida	5301 Rib Mountain Rd.	Chippewa	Pepin	5301 Rib Mountain Rd.
Burnett	Polk	Wausau, WI 54401	Clark	Pierce	Wausau, WI 54401
Douglas	Price	Phone: (715) 359-4522	Crawford	Portage	Phone: (715) 359-4522
Florence	Rusk		Dunn	St. Croix	
Forest	Sawyer		Eau Claire	Trempealeau	
Iron	Taylor		Jackson	Vernon	
	Vilas		Juneau	Wood	
	Washburn		La Crosse		

NORTHEAST REGION COUNTIES			SOUTH CENTRAL REGION COUNTIES		
Brown	Marquette	DNR Northeast Region	Columbia	Jefferson	DNR South Central Region
Calumet	Menominee	Attn: Storm Water Program	Dane	LaFayette	Attn: Storm Water Program
Door	Oconto	2984 Shawano Ave.	Dodge	Richland	3911 Fish Hatchery Rd.
Fond du Lac	Outagamie	Green Bay, WI 54313	Grant	Rock	Fitchburg, WI 53711
Green Lake	Shawano	Phone: (920) 662-5100	Green	Sauk	Phone: (608) 275-3266
Kewaunee	Waupaca		Iowa		
Manitowoc	Waushara				
Marinette	Winnebago				

SOUTHEAST REGION COUNTIES		
Kenosha	Sheboygan	DNR Service Center
Milwaukee	Walworth	Attn: Storm Water Program
Ozaukee	Washington	141 NW Barstow Street,
Racine	Waukesha	Room 180
		Waukesha, WI 53188
		(262) 574-2100