

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 City of Two Rivers		Facility ID No. (FIN) 36286	
Mailing Address P.O. Box 87	City Two Rivers	State WI	ZIP Code 54241
County(s) in which Municipality is located Manitowoc	Municipality Type: (select one) <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 James J. McDonald		Title Public Works Director/City Engineer	
Mailing Address (if different from above) P.O. Box 87	City Two Rivers	State WI	ZIP Code 54241
Email jammcd@two-rivers.org	Phone Number (include area code) (920) 793-5540	Fax Number (include area code) (920) 793-7272	

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 James J. McDonald	Authorized Representative Title Public Works Director/City Engineer		
Signature of Authorized Representative <i>James J. McDonald</i>	Date 03/31/2015		
Email jammcd@two-rivers.org	Phone Number (include area code) (920) 793-5540	Fax Number (include area code) (920) 793-7272	

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.

The Annual Report for the City of Two River's MS4 Stormwater Permit will be presented during the April 20, 2015 City-Council meeting. During the meeting, the City Council and general public will be provided with an opportunity to review and comment on the Annual Report. The agenda will be legally posted in three locations prior to the public meeting.

After the City Council completes its review, the Annual Report will be posted on the City's website and made available in hard copy at City Hall. The general public will be encouraged to review and comment on the Annual Report. Comments received from the general public will be documented and considered as part of the next Annual Report. No comments were received on the previous (Insert Date)

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

In 2014 there were 5 City Council meetings to discuss the City's Stormwater Management Plan.

SECTION IV. General Information (continued)

- 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:

City of Two Rivers Storm water Management Plan (October 10, 2008)

- 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 is a member of the Northeast Wisconsin Stormwater Consortium (NEWSC). NEWSC continues to develop education materials that the City can use for public education. Also, NEWSC developed a mass marketing campaign for phosphorus. Please refer to the 2014 NEWSC Annual Permit Report already on file with the DNR for a list of NEWSC activities.

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

If yes, provide web address:

<http://www.two-rivers.org/>

- 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.two-rivers.org/stormwater/tr_storm_water.htm, <http://www.mcmgrp.com/permit-information>,
<http://www.mcmgrp.com/project-access/project-information>

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**

The City website received 162783 "hits" during 2014, with 193 being Stormwater specific. Stormwater related URL's received an average of 16 hits per month during 2014. The City website contains information about the municipal permit, public education, illicit discharges, construction site erosion control, post-construction stormwater management, municipal pollution prevention and stormwater quality management. Public education information includes car care, lawn and garden fertilizers, lawn and garden pesticides, lawn mowing, lawn watering, leaf maintenance, pet waste, and stormwater ponds. The City website also contains weblinks to other websites.

Display racks with educational material are located in the foyer of City Hall, as well as at the office of Public Works Engineering. Educational materials regarding illicit discharges, pet waste, household hazardous waste, onsite reuse of leaves and grass clippings, lawn fertilizers and pesticides, shoreline management, residential rain gardens, and construction site erosion controls are provided in one or more of the display racks. Approximately 12 stormwater related educational pamphlets were taken from the display racks during 2014.

Approximately 26 educational pamphlets regarding illicit discharges, pet waste, household hazardous waste, onsite reuse of leaves and grass clippings, lawn fertilizers and pesticides, shoreline management, residential rain gardens, and construction site erosion controls were actively distributed at the annual City of Two Rivers Community Care Day in August of 2014.

Every month, the City Manager publishes his informational column in the Herald Times Reporter and on the City website. This information is available to homeowners and businesses. During 2014, 5 columns addressed Stormwater specifically.

SECTION V. Permit Conditions (continued)

• Public Involvement and Participation

The Two Rivers Police Department responded to complaints regarding activities that could potentially impact our stormwater effort. Citations were issued for 7 Pet Waste, 55 Garbage, 74 Grass/Weed, 10 Junk, 1 Vehicle & 1 sump pump discharge issue. In addition, the PW crew identified 5 instances of clutter in the gutter (rakings, leaves, grass clippings, etc.). Property owners were sent a letter providing alternate disposal options. Our Fire Department responded to 4 chemical spills/leak: 1 combustible/flammable gas/liquid condition/other calls: 1 gasoline or other flammable liquid spills, 1 chemical hazard, no spill or leak & 4 oil/other combustible liquid spills:

Woodland Dunes had 5 sites were tested through the DNR Water Action Volunteer monitoring program, 3 on the East Twin and 2 on the West Twin. One of the sites is being monitored by the Denmark High School. We have 17 volunteers who help with this and they test for dissolved oxygen, turbidity, temperature and sample macroinvertebrates. We also ran a series of 5 pontoon rides for people on the West Twin River. Ecology of the river was a focus, but threats to the watershed as a whole and threats to the river are also discussed as well as looking for wildlife. 40 people participated in these. We offer two school programs in the spring about wetlands and water quality. In 2014, 645 students participated in these programs. Ten acres of invasive species were treated on the East and West Twin Rivers.

Parks clean up w/various help from groups and clubs: May 3, 2014 15 volunteers on that day, WFLA cleaned on May 7, 2014 10 volunteers, Friends of mariners Trail cleaned the Mariners Trail 38 volunteers, Groups present were 2 members of city council, One Rec Board member, High school students from the Octagon club and middle school parents from the L. B. Clarke JOOI Club. There were two fall trail clean up for brush you can go with 7 both times.

• Illicit Discharge Detection and Elimination

The City obtained public input and adopted its Illicit Discharge Ordinance on April 7, 2008.

• The City obtained public input and adopted fees for its Illicit Discharge program on April 7, 2008.

• The City developed its MS4 maps during 2007. 0 structures were mapped and/or updated on the MS4 map during 2014.

• Initial field screening of major & minor outfalls were completed in 2011. No additional inspections were performed during 2014. 11 major outfalls, and 0 minor outfalls, were initial field screened. Of the major & minor outfalls, 11 were characterized as "unlikely", 0 were characterized as "potential", 0 were characterized as "suspect", and 0 were characterized as "obvious" to have an illicit discharge. 0 plumbing systems were routinely inspected during 2014. Approximately 6 miles of sanitary sewer and storm sewer were routinely inspected. 0 storm sewer, drainage area, and on-site investigations were performed. 21 spills and releases of hazardous substance were reported or investigated during 2014.

• 0 "Warning Notices" were issued, 0 "Notices of Violation" were issued, and 0 enforcement actions were taken during 2014. Also, 0 illicit discharges, spills, connections, and sanitary leaks were identified and/or removed.

0 illicit discharge tips were received by the City of Two Rivers Inspections Department from the general public during 2014.

• Construction Site Pollutant Control

The City obtained public input and adopted its Construction Site Erosion Control Ordinance on September 22, 2008.

• The City obtained public input and adopted fees for its Construction Site Erosion Control program on October 6, 2008.

• 1 erosion control plans was reviewed and permits were issued for 2 construction sites during 2014.

The public submitted 0 erosion control tips / complaints to the City during 2014.

SECTION V. Permit Conditions (continued)

• **Post-Construction Storm Water Management**

The City obtained public input and adopted its Post-Construction Stormwater Management Ordinance on September 22, 2008.

• The City obtained public input and adopted fees for its Post-Construction Stormwater Management program on October 6, 2008.

• Stormwater management plans were reviewed and permits were issued for 1 post-construction sites during 2014.

• No long-term maintenance agreements were recorded at the County Register of Deeds during 2014.

• 8 sites contained post-construction stormwater management facilities during 2014 (public and private), 8 of which are substantially completed. 1 municipal site inspection was performed at 1 privately-owned stormwater management site during 2014. 24 municipal site inspections were performed at 8 publicly-owned stormwater management sites during 2014.

The public submitted 0 post-construction stormwater management tips / complaints to the City during 2014.

• **Pollution Prevention**

The City owned and operated 8 structural best management practices (BMPs) during 2014 - Sandy Bay Highlands, STH 42 Business Park & Woodland Business Park, Carron Pond, Columbus Pond, Hawthorne Pond, Wentker Pond, 25th Street Rain Garden. 24 inspections were performed for these municipally owned BMPs during 2014.

• Mechanical street sweeping was performed. 1924 curb-miles, 630 hours of street during 2014.

Approximately 185.74 tons of street sweeping waste were properly disposed of by Advance Management in 2014. The City plans to investigate adoption of a parking control ordinance for the street sweeping program during 2014. The City plans to replace its current street sweeper with a mechanical street sweeper, with a target date of March, 2014, and investigate the feasibility of a high efficiency street sweeper in the future.

• 650 tons of road salt and 3,250 gallons of liquid sodium chloride were applied to 46 lane-miles of street during 2014.

• 312 drop-off days were provided for grass clippings and yard waste at the Manitowoc County Compost Site during 2014.

• The City does not have any properties with more than 5 acres of turf grass where lawn fertilizers are applied. As such, no nutrient management plans have been prepared for City properties.

• During 2014, curb-side solid waste & recycling collection was performed weekly. Large household items, (kitchen & living room furniture, mattress/box spring, toilet, etc...), excluding all electronics, were picked up curb-side as well. For white goods and electronics disposal, residents are advised to participate in the Two Rivers Water & Light Appliance Recycling Program.

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.

James Mc Donald, Director of Public Works Ph: 720-793-5540

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

Sodium Chloride, Sodium Chloride brine and sand

Describe the type of equipment used to apply the products.

Salt is pre-wetted with salt brine tanks on the truck

Report the amount of product used per month.

In January, 2014 250 tons, February, 2014 200 tons, March 2014, 116 tons, April 15 tons, November, 2014 60 tons December 2014 21 tons of salt was used for roadway maintenance

SECTION V. Permit Conditions (continued)

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

Lot at 13th and Monroe, Seagull Marina (end of Lake Street), and lot at Mishicot Rd. and 41st Street

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

Equipment calibrated annually per equipment MFG specs

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

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 WinSLAM Version 9.4.0 Reduction (%) 28.2

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:

The City of Two Rivers Stormwater Management Plan included an analysis of existing flood control facilities. Existing flood control facilities are depicted in Figure 9 of the October 10, 2008 Stormwater Management Plan. This plan is currently being updated, with revised data provided in 2014.

- 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.

The recently constructed storm water ponds and BMP's have maintenance programs. City staff routinely check for proper operation of the pond and outfall structures. The City also has hired a consultant to monitor the pond areas for vegetation and other operational features which may require attention.

SECTION V. Permit Conditions (continued)

- 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.
No changes in 2014.

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 8.

See attached table

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

Storm water utility General fund Other Stormwater utility implemented October, 2014

- 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's financing strategy consists of the general tax levy and grant funding. Minimal grant funding sources are expected in the upcoming year. The City is also investigating the implementation of a Storm Water Utility.

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:
Hard copy provided in Management Plan (October 10, 2008) or <http://www.two-rivers.org/municipalcode/Title04.pdf>
- 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: Hard copy provided in Management Plan (October 10, 2008) or <http://www.two-rivers.org/municipalcode/Title04.pdf>
- 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:
Hard copy provided in Management Plan (October 10, 2008) or <http://www.two-rivers.org/municipalcode/Title04.pdf>
- 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:
Solid Waste-Title5, Ch6; Well Abandonment Title 5 Ch5; License of Dog/pets Title 6, Ch.5; Nuisance, Title 9, Ch6;
- 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.
Inspections and enforcement actions are summarized in Section V of this Annual Report.

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:

SECTION VIII. Water Quality Concerns (continued)

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:
West Twin River
- 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:
Please refer to Chapter 9 (pages 9-6, 9-7, 9-8) of the City of Two Rivers Stormwater Management Plan (October 10, 2008)

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

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 water quality degradation was observed by the City

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.

The City has implemented a Stormwater utility charge to fund current and future activities

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
		2014	2015	
Public Education and Outreach	3,310	1,000	1,000	
Public Involvement and Participation	3,310	1,000	1,000	
Illicit Discharge Detection and Elimination	4,810	3,000	3,000	
Construction Site Pollutant Control	2,770	2,000	2,000	
Post-Construction Storm Water Management	3,070	2,000	2,000	
Pollution Prevention	2,690	1,000	1,000	
Storm Water Quality Management (including pollutant-loading analysis)	24,320	1,500	1,500	
Storm Sewer System Map	1,020	1,500	1,500	
Other: Leaf Pick-up	89,352	55,000	55,000	
Other: Street Sweeping	65,106	58,400	58,400	
Other: NEWSC Fees and Time	3,020	3,000	3,000	
Other: System Management	28,930	30,000	60,000	
Other: Utility Creation	8,950	10,000	5,000	

NORTHERN REGION COUNTIES

Ashland	Langlade	DNR Service Center Attn: Storm Water Program 5301 Rib Mountain Rd. Wausau, WI 54401 Phone: (715) 359-4522
Barron	Lincoln	
Bayfield	Oneida	
Burnett	Polk	
Douglas	Price	
Florence	Rusk	
Forest	Sawyer	
Iron	Taylor	
	Vilas	
	Washburn	

WEST CENTRAL REGION COUNTIES

Adams	Marathon	DNR Service Center Attn: Storm Water Program 5301 Rib Mountain Rd. Wausau, WI 54401 Phone: (715) 359-4522
Buffalo	Monroe	
Chippewa	Pepin	
Clark	Pierce	
Crawford	Portage	
Dunn	St. Croix	
Eau Claire	Trempealeau	
Jackson	Vernon	
Juneau	Wood	
La Crosse		

NORTHEAST REGION COUNTIES

Brown	Marquette	DNR Northeast Region Attn: Storm Water Program 2984 Shawano Ave. Green Bay, WI 54313 Phone: (920) 662-5100
Calumet	Menominee	
Door	Oconto	
Fond du Lac	Outagamie	
Green Lake	Shawano	
Kewaunee	Waupaca	
Manitowoc	Waushara	
Marinette	Winnebago	

SOUTH CENTRAL REGION COUNTIES

Columbia	Jefferson	DNR South Central Region Attn: Storm Water Program 3911 Fish Hatchery Rd. Fitchburg, WI 53711 Phone: (608) 275-3266
Dane	LaFayette	
Dodge	Richland	
Grant	Rock	
Green	Sauk	
Iowa		

SOUTHEAST REGION COUNTIES

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