

**Due by March 31, 2013**

**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 2012.

**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, 2013, to the appropriate address indicated on the last page of this form.

**SECTION I. Municipal Information**

Name of Municipality City of Wausau		Facility ID No. (FIN) 31058	
Mailing Address 407 Grant Street	City Wausau	State WI	ZIP Code 54403
County(s) in which Municipality is located Marathon	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 Sean J. Gehin, P.E.		Title Project Engineer	
Mailing Address 407 Grant Street	City Wausau	State WI	ZIP Code 54403
Email sean.gehin@ci.wausau.wi.us	Phone Number (include area code) (715) 261-6748	Fax Number (include area code) (715) 261-6759	

**SECTION III. Certification**

*I hereby certify that I am an authorized representative of the municipality covered under MS4 General Permit No. WI-S050075-1 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 Jim Tipple	Authorized Representative Title Mayor
Signature of Authorized Representative <i>James E. Tipple</i>	Date March 22, 2013
Email jim.tipple@ci.wausau.wi.us	Phone Number (include area code) (715) 261-6803
	Fax Number (include area code) (715) 261-6808

**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.

This annual report will be posted on the City of Wausau website for review. Also, printed copies can be requested at the Engineering Department at 407 Grant Street.

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

The Department of Public Works, which includes the Engineering, Planning and Public Works divisions, meets bi-monthly in staff meetings. Storm water management and permit requirements are routinely discussed in these meetings. Also, the City of Wausau is a member of the North Central Wisconsin Storm Water Coalition (NCSWC). This group meets monthly to discuss education and outreach activities and permit compliance related issues. Engineering staff reports to the Capital Improvements and Street Maintenance Committee (CISM), which is a subcommittee of the City Council, on issues relating to storm water. This is done at monthly CISM meetings.

**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:

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 of the general permit as provided under Section 2.10 of the general permit?  Yes  No

If yes, describe these cooperative efforts:

The Cities of Wausau, Marshfield, Merrill, Mosinee, Schofield, Stevens Point, and Wisconsin Rapids; the Villages of Kronenwetter, Rothschild and Weston; the Town of Rib Mountain; and Marathon County have joined together to form the North Central Wisconsin Stormwater Coalition. The group's goal is to reduce stormwater pollution in North Central Wisconsin through an education and outreach program. This program includes the use of advertisements, public service announcements, seminars and websites to achieve the educational goals. The cooperative work will save taxpayer money and provide a unified message to the public. Marathon County organized the group and heads the monthly meetings. In return for organizing the communities in the public outreach and education process, the City has agreed to sample the Marathon County MS4 discharges within the City of Wausau under our illicit discharge and detection program.

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

If yes, provide web address:

[www.ci.wausau.wi.us](http://www.ci.wausau.wi.us)

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.ci.wausau.wi.us/Departments/Engineering/StormWaterManagement.aspx>

**SECTION V. Permit Conditions**

a. **Minimum Control Measures:** For each of the permit conditions listed below, provide a description of the status of implementation of program elements, the status of meeting measurable goals, and compliance with permit schedule in section 3 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 of Wausau works with the North Central Wisconsin Storm Water Coalition to coordinate the education and outreach program. A copy of the group's activities is attached.

- Public Involvement and Participation

North Central Wisconsin Stormwater Coalition monthly meetings are open to the public, posted on Marathon County on-line bulletin board and sent to Wausau Daily Herald, City Pages, Marshfield News, and Midwest Radio Group. Meeting minutes are posted on the Marathon County website and sent to all NCWSC members.

**SECTION V. Permit Conditions** (continued)

• **Illicit Discharge Detection and Elimination**

In accordance with Section 2.3 of the General Permit the City has adopted Chapter 15.60 of the Wausau Municipal code, Illicit Discharge Detection and Elimination Requirements. An initial field screening of all major outfalls within the City limits for illicit discharges was conducted in the fall of 2009. The field screening did not discover any significant non-storm water discharges.

The rescreening of the City's major outfalls was started in the fall of 2012. Due to weather the sampling of the City's storm outfalls was suspended. The 2012 Sampling of the outfalls will be completed this spring. A copy of the 2009 and 2012 stormwater outfall screening can be made available per request.

The City in the future will be revising it's illicit discharge detection and elimination program to coincide with the March 15, 2012 Technical Memorandum. Modifications will include the reevaluation of sampled outfalls, observed or sampled indicator parameters and testing method. City of Wausau has purchased field test kits to test for the parameters in the field.

• **Construction Site Pollutant Control**

Chapter 15.56 of the Wausau Municipal Code has been adopted to meet the requirements for creating an ordinance to regulate erosion and sediment at construction sites. The City of Wausau does have authority from the Department of Commerce to regulate erosion control at public buildings and places of employment. The City of Wausau has building inspectors, engineering technicians and engineers who monitor erosion control on sites. City is currently working with the Inspection Department to streamline the review and inspection of construction erosion control.

Due to the recent revisions to NR 151 and NR 216 rules, the North Central Wisconsin Stormwater Coalition hired Schoen Engineering Solutions LLC in the fall of 2012 to rewrite the DNR's model stormwater ordinance contained in NR 152. The City of Wausau will use the updated modeled ordinance to update the storm ordinance contained in the Municipal Code.

• **Post-Construction Storm Water Management**

In accordance with Section 2.5 of the General Permit, the City has adopted Chapter 15.56 of the Wausau Municipal Code, Storm Water Management.

Due to the recent revisions to NR 151 and NR 216 rules, the North Central Wisconsin Stormwater Coalition hired Schoen Engineering Solutions LLC in the fall of 2012 to rewrite the DNR's model stormwater ordinance contained in NR 152. The City of Wausau will use the updated modeled ordinance to update the storm ordinance contained in the Municipal Code.

**SECTION V. Permit Conditions (continued)**

• **Pollution Prevention**

The City owns and operates a vast network of storm sewer and structural best management practices (BMP) that convey, detain, and treat the City's stormwater runoff. The structural best management devices consist primarily of catch basins, swales, and detention ponds (dry and wet). In addition, treatment of small basins on a limited basis is accomplished using hydrodynamic separation devices. These devices combined with street and catch basin cleaning currently removes 23.5 percent of its TSS Load.

The City's street sweeping program, using regenerative air and mechanical sweepers, begins in April and continues through November. The City performs an aggressive program in the spring, sweeping most all of the streets on a weekly basis. After this initial effort the residential streets on average are cleaned 6 to 7 times throughout the season. However, the City's main arterials and collectors are continually cleaned on a weekly basis. A total of 4986 cubic yards of material was removed from the roadway during the program in 2012.

The City has hundreds of catch basins serving the local roadways throughout the Wausau area. The installation of catch basins with a 2-foot sump has replaced the use of inlets on all new storm sewer and improvement projects. In the spring and fall of 2012 the City cleaned the catch basin sumps, 160 cubic yards of mostly sand and gravel was removed. The City's catch basins will be routinely inspected and maintained on a biyearly basis, typically in the spring and fall of each year.

A yard waste site is open to the City's residents beginning in April through the middle of November. Residents are allowed to drop off general yard waste (i.e. grass clippings, leaves, and brush). The collected material is disposed at a licensed compost site.

In 2012 the City reconstructed an existing paved parking lot located downtown adding two bioretention devices to treat and detain stormwater runoff from the new parking lot.

b. **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 WinSlamm Version 9.3 Reduction (%) 23.5

If no, include a description of any actions the municipality has undertaken during 2012 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 in 2010 contracted with AECOM to model our 40% TSS compliance mandated at the time by the WPDES permit. The analysis completed in December of 2010 recommended practices to reach the mandated 40%. In 2011 Wisconsin legislation passed Act 32 lowering TSS performance standard to 20%. The City's current stormwater plan is to maintain it's current facilities to continue to meet over 20% TSS reduction.

c. **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 2012. If available, attach any additional information on the maintenance program.

The City on a biannual basis (spring and fall) inspects and maintains it stormwater BMP's.

The inspection and maintenance of the City-owned stormwater facilities varies depending on the type of structure. In the summer of 2012 the City inspected all of its wet and dry stormwater basins. The inspection included the review of sediment accumulation, side slopes, inlet structure, outfall structure, erosion, emergency spillway, and vegetation. A number of the basins were noted needing immediate corrective work by public works. Removal of cattails and brush, repair to riprap spillways, removal of debris from outlets and removal of sediment were some of the maintenance activities completed by DPW in the fall of 2012.

The City's street sweeping and catch basin maintenance is discussed above under pollution prevention.

**SECTION V. Permit Conditions** (continued)

d. **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 major changes, updates are available from the City of Wausau GIS department.

**SECTION VI. Fiscal Analysis**

a. Provide a fiscal analysis that includes the annual expenditures for 2012, and the budget for 2012 and 2013. 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 Wausau has set aside approximately \$350,000 over the past few years for stormwater improvements. Recently the City has used those funds to replace deteriorated storm sewer, the repair of a major outfall on the City's east side, the replacement of a 48-inch culvert in the industrial park, construction of two bioretention devices, and the maintenance of the City's stormwater basins. Currently approximately \$100,000 remains in the stormwater fund. Plan projects for 2013 due not require additional funds be set aside.

An evaluation of whether or not additional stormwater funding is necessary is completed the fall of every year during the budgeting for the following year. The budgeting will be based on future projects, anticipated maintenance, and upcoming state mandated regulations.

**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 adopted a 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:

<http://www.ci.wausau.wi.us/Departments/Engineering/StormWaterManagement.aspx>

b. As of the date of this annual report, has the municipality adopted a 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:

<http://www.ci.wausau.wi.us/Departments/Engineering/StormWaterManagement.aspx>

c. As of the date of this annual report, has the municipality adopted an 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:

<http://www.ci.wausau.wi.us/Departments/Engineering/StormWaterManagement.aspx>

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:

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.

The City of Wausau Inspections Department issued a total of 24 new construction residential, 3 multi-family and 11 new construction commercial building permits in 2012. Each of these structures was inspected by the City's building inspectors during construction to ensure compliance with local, state and federal building codes as they relate to erosion control. The City of Wausau also inspected the reconstruction of 9 residential streets in 2012. The City was responsible for inspecting erosion control measures on these reconstructions and ensuring compliance with the erosion control plan.

**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:
- 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:  
Wisconsin 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:  
Pollutants of concern for the Wisconsin River are listed as Mercury and PCB's in the sediment. The City of Wausau has an aggressive street sweeping program using both mechanical sweepers and regenerative air sweepers. Through street sweeping and catch basin cleaning, the city collected 4986 cubic yards of sediment off the streets. Collecting these larger particles keeps additional heavy metals, such as mercury, from entering the water way. The City in 2012 reconstructed an existing paved parking lot downtown with two bioretention devices to treat and detain the stormwater runoff. The bioretention devices will treat the stormwater runoff prior to discharging to existing storm sewer draining to the Wisconsin River.
- c. Identify any known water quality improvements in the receiving water to which the MS4 discharges during the reporting period.  
None.
- 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.  
Weed & algae infested bays in Lake Wausau has degrade the water quality. The Lake Wausau Association along with help from the DNR and neighboring communities will be completing a study to determine the cause of the algae infestation and the best management practices that can be applied to improve the current water condition.

**SECTION IX. Proposed Program Changes**

Describe any proposed changes to the storm water management program being contemplated by the municipality for 2013 and the schedule for implementing those changes. Proposed program changes must be consistent with the requirements of the general permit.

The City of Wausau will be working with the North Central Stormwater Coalition and DNR to update the current stormwater ordinances govern by the local communities.

City's plan is to maintain the existing bmp's to continue to achieve 23.5% TSS reduction.

In the fall of 2012 the City met on-site at the Public Work Yard with Brad Johnson (DNR) to review current BMP's in place at the yard and to discuss needed stormwater improvements in the future. Shortly following the meeting the City surveyed the entire site to begin laying out possible improvements to reduce the discharge of pollutants, to improve efficiency, and the loss the material. The City will be working on a plan this year with the DNR to improve the yard.

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

Program Element	Annual Expenditure		Budget		Source of Funds
	2012	2012	2013	2013	
Public Education and Outreach					
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 Attn: Storm Water Program 5301 Rib Mountain Rd. Wausau, WI 54401 Phone: (715) 359-4522	Adams	Marathon	DNR Service Center Attn: Storm Water Program 5301 Rib Mountain Rd. Wausau, WI 54401 Phone: (715) 359-4522
Barron	Lincoln		Buffalo	Monroe	
Bayfield	Oneida		Chippewa	Pepin	
Burnett	Polk		Clark	Pierce	
Douglas	Price		Crawford	Portage	
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 Attn: Storm Water Program 2984 Shawano Ave. Green Bay, WI 54313 Phone: (920) 662-5100	Columbia	Jefferson	DNR South Central Region Attn: Storm Water Program 3911 Fish Hatchery Rd. Fitchburg, WI 53711 Phone: (608) 275-3266
Calumet	Menominee		Dane	LaFayette	
Door	Oconto		Dodge	Richland	
Fond du Lac	Outagamie		Grant	Rock	
Green Lake	Shawano		Green	Sauk	
Kewaunee	Waupaca		Iowa		
Manitowoc	Waushara				
Marinette	Winnebago				

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	

2012 educational activities:

1. A few members participated in the Wisconsin River Cleanup again and gave an educational presentation using the little house/rain barrel/rain garden display.
2. The "Rubber Ducky Commercial" report from Marcus Theaters:
  - The ad ran about 210 times or more per week for 12 weeks, 04/20/2012 to 07/13/2012
  - About \$1 a showing.
  - The Cedar Creek Theater sees about 5,000 to 8,000 people in one week.
3. Rainbarrels constructed in December and were donated for raffle to:
  - Marathon County Ladies Holiday Party
4. A Stormwater article is placed in the City's Spring Newsletter each year.