

Due by March 31, 2017

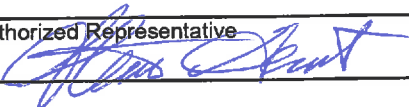
Notice: Pursuant to s. NR 216.07(8), Wis. Adm. Code, an owner or operator of a Municipal Separate Storm Sewer System (MS4) is required to submit an annual report to the Department of Natural Resources (DNR) by March 31 of each year to report on activities for the previous calendar year. This form is 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 2016.

Instructions: Complete each section of the form. If additional space is needed, 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, 2017, to the appropriate address indicated on the last page of this form.

Part I. Municipal Information			
Name of Municipality City of Marinette		Facility ID No. (FIN) 33666	
Mailing Address 1905 Hall Avenue	City Marinette	State WI	ZIP Code 54143
County(s) in which Municipality is located Marinette	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)		

Part II. Municipal Contact Information			
Name of Municipal Contact Person Brian Miller		Title City Engineer	
Mailing Address (if different from above) 1905 Hall Avenue	City Marinette	State WI	ZIP Code 54143
Email bmiller@marinette.wi.us	Phone Number (include area code) 715-732-5134	Fax Number (include area code) 715-735-9419	
Has the contact person changed in the last year? <input type="radio"/> Yes <input checked="" type="radio"/> No			

Part III. Certification			
<p><i>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.</i></p>			
Authorized Representative Printed Name Steve Genisot	Authorized Representative Title Mayor		
Signature of Authorized Representative 	Date 3/30/17		
Email sgenisot@marinette.wi.us	Phone Number (include area code) 715-732-5139	Fax Number (include area code) 715-737-5122	

Part IV. General Information	
<p>a. Describe the municipality's efforts to invite the municipal governing body, interest groups, and general public to review and comment on the annual report.</p> <p>This annual report will be posted on the City of Marinette website. Also, printed copies can be requested at the Marinette Engineering Department, 1905 Hall Avenue, Marinette, WI 54143.</p>	
<p>b. Describe how the municipality has kept elected and municipal officials and appropriate staff (such as operators, department heads, and those that interact with the public) informed of the municipal storm water discharge permit and its requirements.</p> <p>City staff keep the Board of Public Works and the Common Council apprised of the storm water permit and permit requirements. This information is presented to the Board of Public Works when professional services are obtained for services such as the Illicit Discharge and Detection Evaluation.</p>	
<p>c. Has the municipality prepared or updated its own municipal-wide storm water management plan during the reporting year? <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p>If yes, provide the title and date of storm water management plan and list any updates:</p>	
<p>If yes, has the information been submitted to the Department? <input type="radio"/> Yes <input type="radio"/> No</p>	

d. During the reporting year, 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 Marinette is an active member of Northeast Wisconsin Stormwater Consortium (NEWSC). NEWSC contributes in the stormwater compliance, including: public education material, creating public involvement programs, and drafting model ordinances for members.

If yes, has the information been submitted to the Department? Yes No

e. 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:

www.marinette.wi.us

Part V. Evaluation of Permit Conditions (Section 2 of General Permit)

Minimum Control Measures: For each of the permit conditions listed below, provide an evaluation of program compliance with the general permit.

1. Public Education and Outreach (Section 2.1 of General Permit)

Description of Program(s)	Use city website and city news letter to educate and promote the storm water program. Distribute education materials. Please refer to the City of Marinette Stormwater Management Plan, June, 2008.
Measurable Goal(s)	Hits on website, number of information material taken. Please refer to the City of Marinette Stormwater Management Plan, June, 2008. and NEWSC Stormwater Management Activities.
Result(s) Achieved	The City has seen an increased use of the City website. See NEWSC Stormwater Management Activities Report.
Describe any planned changes to program.	The city of Marinette and NEWSC continue to make changes to reach out to residents. See NEWSC Stormwater Management Activities Report.

2. Public Involvement and Participation (Section 2.2 of General Permit)

Description of Program(s)	Monitor information provided by the public to the city. Please refer to the City of Marinette Stormwater Management Plan, June, 2008.
Measurable Goal(s)	Number of calls received regarding tips and concerns received from the public.
Result(s) Achieved	There was one concern raised by the public.
Describe any planned changes to program.	

3. Illicit Discharge Detection and Elimination (Section 2.3 of General Permit)

Description of Program(s)	Conduct field screenings and routine inspections. Please refer to the City of Marinette Stormwater Management Plan, June, 2008.
Measurable Goal(s)	Please refer to the City of Marinette Stormwater Management Plan, June, 2008. Number of outfalls investigated.
Result(s) Achieved	The city hired McMahan Associates to perform outfall testing. No findings of illicit discharge. 26 MS4 outfalls were screened, 0 outfalls were characterized as a potential, suspect, or obvious illicit discharge.
Describe any planned changes to program.	

4. Construction Site Pollutant Control (Section 2.4 of General Permit)

Part V. Evaluation of Permit Conditions (continued)

Description of Program(s)	Review permit applications, Erosion and Sediment Control Plans. Please refer to the City of Marinette Stormwater Management Plan, June, 2008.
Measurable Goal(s)	Number of sites inspected. Number of "Warning Notices" issued. Number of "Notice of Violation" issued. Number of enforcement actions.
Result(s) Achieved	7 erosion control permits issued, 58 inspections, no violations issued.
Describe any planned changes to program.	

5. **Post-Construction Storm Water Management (Section 2.5 of General Permit)**

Description of Program(s)	Review permit applications and plans. Please refer to the City of Marinette Stormwater Management Plan, June, 2008.
Measurable Goal(s)	Number of meetings and plans reviewed with developers. Number of recorded maintenance agreements.
Result(s) Achieved	6 meetings with developers. 1 recorded maintenance agreement.
Describe any planned changes to program.	

6. **Pollution Prevention (Section 2.6 of General Permit)**

Description of Program(s)	Please refer to the City of Marinette Stormwater Management Plan, June, 2008.
Measurable Goal(s)	Please refer to the City of Marinette Stormwater Management Plan, June, 2008.
Result(s) Achieved	City street sweeper collected 225 tons of debris from city streets, which was hauled to Waste Management Landfill.
Describe any planned changes to program.	Review pollution prevention plan and update.

• **Storm Water Management Facilities (Section 2.6.1 of General Permit)**

List any new municipality owned or operated structural storm water management facilities (ponds, biofilters, etc.) added in the last year.

A new Biofilter was constructed at Menekaunee Park.

• **Routine Inspection and Maintenance (Section 2.6.2 – 2.6.4 of General Permit)**

Does the municipality have an inspection and maintenance program for installed structural storm water management facilities?

Yes No

Describe the inspection and maintenance program and any activities that have occurred for structural storm water management facilities in 2016. If available, attach any additional information on the inspection and maintenance program. Each facility is inspected annually. Inspections are performed during wet weather to assure the ponds are functioning properly. Inspections include a check on the following: vegetation buildup on inlet and outlet structures, visible signs of erosion in the pond a, missing manhole covers or grates, condition of concrete outlet structures, and overall structural integrity.

The city compost site was regraded so runoff from the site is directed to the runoff retention swale.

Describe the street sweeping and catch basin cleaning efforts, and the disposal of waste.

The city sweeps all city streets during spring, summer and fall. The city uses a vacuum assist street sweeper to

sweep the curb and gutters of all curbed streets. Non-curbed city streets are also swept - once in the spring to remove heavy buildup that accumulates during the winter months, and then again in the fall to remove leaves. All collected street sweepings were disposed of at the Waste Management Landfill in Menominee, MI.

Catch basins are cleaned as part of the annual DPW tasks. The city DPW cleaned and repaired 6 catch basins using a vacator truck. The debris removed from the catch basins was disposed of at the Waste Management Landfill, Menominee, MI.

• Winter Road Management Activities (Section 2.6.5 of General Permit)

Provide the name, title, and phone number of the individual(s) with overall responsibility for winter roadway maintenance. Mike Swaitnicki, Superintendent of Public Works, (715) 732-5134.

Describe the types of products used for winter road management (e.g. deicing, pre-wetting, salting, etc.). Rock Salt (untreated & no pre-wetting) is used for winter road maintenance. Salt/Sand mix is used if the conditions warrant the need for better traction.

Report the amount of product used by month over the last winter season (approx. November 2015 through April 2016).

January	203 tons	July	0 tons
February	259 tons	August	0 tons
March	57 tons	September	0 tons
April	0 tons	October	0 tons
May	0 tons	November	0 tons
June	0 tons	December	450 tons

Report the snow disposal locations, if applicable.

Snow from city streets is hauled and stockpiled at two different locations -- the 6th Street Parking Lot and the vacant lot at the NW corner of Cleveland Avenue and Pierce Avenue.

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

The city snow plows have rear salt spreaders that are electronically controlled. The operators limit the amount of salt applied to the roads, but depending on the road conditions, more salt might be applied to assure safe driving conditions. The salt spreaders are calibrated to help the plow operators reduce salt usage. In addition, the city salt reduction strategy is to only salt critical areas (hills, curves, and intersections) during light to moderate snow events. When precipitation rates are too high and weather conditions limit the effectiveness of the salt, salting operations are suspended until the snow is plowed off the streets. Sand is occasionally applied to streets, but only for additional traction when salt alone is not effective at improving icy conditions.

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

In the fall of every year, the city DPW employees have meetings to discuss usage of road salt and are reminded to adjust the spreaders to apply only the minimum amount needed to create safe driving conditions. The amount of salt used by each truck is monitored and recorded after each storm. The Street Superintendent observes the salting operations to be sure the right amount of salt is being applied to the streets.

• Leaf Management (Section 2.6.6 of General Permit)

Describe the management of leaves and grass clippings.

The city operates a city compost site at the DPW garage site. Throughout the summer months when residents generate grass clippings, the city DPW collects yard waste curbside. City residents may also drop off grass clippings at the compost site. The clippings are debagged (if they are bagged when dropped off) and then they are incorporated into the city compost piles. Other lawn and garden debris is also accepted at the compost site.

The city collects leaves from city streets in the fall of the year. The DPW uses push brooms attached to heavy

Part V. Evaluation of Permit Conditions (continued)

equipment to remove bulky leaf piles from city streets. The leaves are pushed into piles, collected, and then hauled to the city compost site. The city street sweeper then makes a secondary pass to remove residual leaf debris and fine materials. All leaves collected from city streets are hauled to the city compost site.

• **Municipal Pollution Prevention** (Section 2.6.7 of General Permit)

Provide the location (street address) of each facility (municipal yards and/or maintenance facilities) and contact information (name, title, and phone number) for the individual(s) with overall responsibility for each facility.

City DPW Garage, 2411 Cleveland Avenue. Contact: Mike Swaitnicki, Superintendent of Public Works, (715) 732-5134.

Map(s) included? Yes No - Include a map of each facility, drawn to scale and include the following features:

- Location of major activities and storage areas
- Identification of drainage patterns, potential sources of storm contamination and discharge points.
- Identification of nearby receiving waters or wetlands
- Identification of connections to the permittees's MS4

Describe the housekeeping activities and best management practices installed at municipal yards and/or maintenance facilities to reduce or eliminate storm water contamination.

The DPW personnel keep the municipal yard storage areas clean and organized. The waste oil drop-off consists of an enclosed outdoor storage shed equipped with spill containment. Waste oil containers are protected from rain, which prevents oil from contaminating site runoff. Chemicals are stored indoors in dedicated areas equipped with spill containment. Materials are stored in their original containers, which are kept closed except when they are used. The containers are inspected for corrosion or signs of leaks. The road salt loading pad is cleaned after each salting to prevent salt from running off site and entering the nearby drainage ditch.

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

None.

Provide information on facility inspections. Identify and address potential sources of storm water contamination.

Facility inspections are done on a regular basis. The site is monitored after rain events for drainage issues related to material storage locations throughout the outdoor storage yard.

Describe the municipal facility(s) employee training on storm water pollution prevention (frequency, duration, objectives, percentage of employees trained this year, etc.).

Employee training includes: instruction to employees about maintaining good house keeping, material management practices (storing flammables and other liquids in proper storage containers with spill prevention), and operation and maintenance. The Street Superintendent continually monitors the city garage and outdoor storage areas for potential spills. DPW staff are instructed to immediately contain a spill and clean up the liquid with an absorbent material. Employees are to inform their supervisor if a large spill occurs.

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

Spill prevention includes response procedures: contain the spill, locate the source of the spill and take steps to stop further spillage, and cleanup the spill immediately to minimize safety hazards using oil absorbent. Large spills are reported immediately to Supervisors.

7. **Storm Water Quality Management** (Section 2.7 of General Permit)

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 9.2.1 Reduction (%) 36.9

If no, include a description of any actions the municipality has undertaken during 2016 to help achieve the 20% standard.

Part V. Evaluation of Permit Conditions (continued)

8. Storm Sewer System Map (Section 2.8 of General Permit)

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 to the Storm Sewer System Map.

Updates were made to the map in 2016 for the following street reconstruction projects:

Russell Street reconstruction
Garfield Street Reconstruction
Water Street Reconstruction
Ogden Street Reconstruction

Part VI. Fiscal Analysis

a. Provide a fiscal analysis that includes the annual expenditures for 2016, and the budget for 2016 and 2017. A table to document fiscal information is provided on page 9.

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 _____

c. Is adequate revenue generated to implement the storm water management program and meet permit requirements?

Yes No

Please provide a brief summary of the municipality's 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 the storm water management program.

The city formed a Storm Water Utility in 2008 to fund the city's storm water program. The annual Storm Water Utility fee is \$49.00 per equivalent runoff unit (ERU). A single family home is charged 1 ERU. All other property is charged 1.0 ERU for each 3,105 square feet of impervious area. The storm water fees are collected through the City Water Utility.

Part VII. Inspections and Enforcement Actions

Note: If an ordinance listed below has been submitted to the Department previously 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. Has the municipality amended its illicit discharge detection and elimination ordinance in accordance with subsection 2.3.1 of the general permit during the reporting year? Yes No

If yes, attach copy or provide web link to ordinance:

b. Has the municipality amended its construction site pollutant control ordinance in accordance with subsection 2.4.1 of the general permit during the reporting year? Yes No

If yes, attach copy or provide web link to ordinance:

www.marinette.wi.us

c. Has the municipality amended its post-construction storm water management ordinance in accordance with subsection 2.5.1 of the general permit during the reporting year? Yes No

If yes, attach copy or provide web link to ordinance:

www.marinette.wi.us

d. 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.) during the reporting year? 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.

City staff monitor city street reconstruction sites and visually inspect them for erosion control and storm water management. City staff and consultants conducted site inspections on the various projects in 2016. Inspections were performed to ensure compliance with the planned erosion control and to identify site specific conditions that required

additional erosion control measures. Follow-up actions resulting from the site inspections included: removal of sediment buildup from inlet protection, cleaning and maintaining silt fence after rain events, and installing erosion mat on slopes that showed signs of erosion. No complaints were received in 2016. No enforcement actions were needed during 2016. The Building Inspector inspected each new building construction site to ensure compliance with local, state and federal building codes as they related to erosion control.

Part 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:
Menominee River & Green Bay

- 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 attempts to reduce the amount of salt applied to streets for snow and ice control through better application practices.

The city DPW employees blow grass clippings onto the turf instead of onto paved streets to prevent it from entering the city storm sewer system.

The city swept city streets with a vacuum assist street sweeper.

The city removed salt spillage from the salt storage facility after each salting operation to prevent contact with runoff.

The city maintained a vegetative buffer between the snow storage areas and the site discharge point to provide contact with vegetation and filter

c. Identify any known water quality improvements in the receiving water to which the MS4 discharges during the reporting period.
None Observed.

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.
None Observed.

e. Does any part of the MS4 discharge to an approved Total Maximum Daily Load (TMDL) area (Section 1.5.4 of the general permit)? Yes No

If yes, fill out below. If no, disregard.

Required reporting for TMDLs approved prior to the effective date of the permit for 2016:

Name of TMDL: _____ Date TMDL approved? _____

Map(s) included? Yes No - Submit a storm sewer system map (may be the same map submitted under section V.6. of this form), which includes the TMDL reachshed boundaries and associated acreage within the municipality, and the MS4 drainage boundaries and associated acreage within the municipality.

Part IX. Proposed Program Changes

Describe any proposed changes to the storm water management program being considered for 2017 and the schedule for implementing those changes. Proposed program changes must be consistent with the requirements of the general permit.

None Planned.

Part X. Other

Any other municipal storm water program information for inclusion in the Annual Report regarding their storm water program may be added here or attached.

No Additional Information.

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

Program Element	Annual Expenditure 2016	Budget		
		2016	2017	
Public Education and Outreach	\$2,000	\$3,100	\$3,100	Storm Water Utility
Public Involvement and Participation	\$500	\$500	\$500	Storm Water Utility
Illicit Discharge Detection and Elimination	\$1,457	\$7,000	\$7,000	Storm Water Utility
Construction Site Pollutant Control	\$3,574	\$3,500	\$3,500	Storm Water Utility
Post-Construction Storm Water Management	\$7,000	\$8,000	\$8,000	Storm Water Utility
Pollution Prevention	\$159,257	\$157,000	\$159,000	Storm Water Utility
Storm Water Quality Management (including pollutant-loading analysis)	\$4,500	\$5,000	\$5,000	Storm Water Utility
Storm Sewer System Map	\$160	\$300	\$300	Storm Water Utility
Other:	\$14,775	\$15,000	\$15,000	Storm Water Utility