

**Due by March 31, 2012**

**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 2011.

**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, 2012, to the appropriate address indicated on the last page of this form.

**SECTION I. Municipal Information**

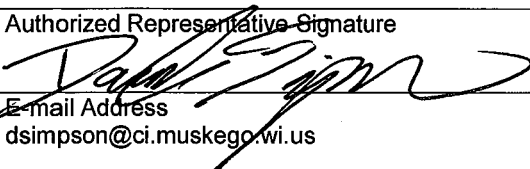
Name of Municipality City of Muskego		Facility ID No. (FIN) 31280	
Mailing Address W182 S8200 Racine Avenue	City Muskego	State WI	Postal Code 53150
County(s) in which Municipality is located Waukesha	Type of Municipality: (check one) <input type="checkbox"/> County <input checked="" type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Town <input type="checkbox"/> Other (specify)		

**SECTION II. Municipal Contact Information**

Name of Municipal Contact Person David Simpson, P.E.		Title Director of Public Works	
Mailing Address W182 S8200 Racine Avenue	City Muskego	State WI	Postal Code 53150
E-mail Address dsimpson@ci.muskego.wi.us	Telephone No. (include area code) 262-679-5686	Fax No. (include area code) 262-679-5614	

**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 David Simpson		Authorized Representative Title Director of Public Works	
Authorized Representative Signature 		Date Signed 3-30-2012	
E-mail Address dsimpson@ci.muskego.wi.us	Telephone No. (include area code) 262-679-5686	Fax No. (include area code) 262-679-5614	

**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 City of Muskego has published its Annual Report on the City's website to notify the public of permit compliance activities. Any public comment is reported to the Public Works Committee who would then report to the Common Council by way of minutes approval.

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 permit requirements as well as every public improvement project and Engineering Study is discussed and/or reported to the Public Works Committee.

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 Muskego Comprehensive Stormwater Management Plan Phase 2, July 1999

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 City has grouped with the Waukesha Stormwater Education Program to combine efforts related to public education. Implementation of specific program items began in November of 2008 and continued through 2011 and will continue in 2012 at a minimum.

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

If yes, provide web address:

<http://www.ci.muskego.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.muskego.wi.us/engineering>

**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 uses its existing website to educate its residents on stormwater management and water quality issues. It has also agreed to participate in the Waukesha County Stormwater Education Program which it joined in November of 2008. Specific program items include developer and contractor workshops, storm drain stenciling, educational newsletters, community educational presentations, tours and demonstrations for the public, as well as training and teaching resources for schools. The City also gives a pet waste pamphlet to all owner's of newly licensed dogs within the City of Muskego.

- Public Involvement and Participation

The City Conservation Coordinator led a group of High School students through a wetland reformation area and explained the benefits of storm water management. Also, a group of volunteers helped plant trees and restore a wetland conversion project within the City. The City publishes its NR216 Annual Report on the City's website to notify the public of permit compliance activities. The City accepts comments from the public via phone, e-mail or in writing.

- Illicit Discharge Detection and Elimination

The City adopted a new Illicit Discharge Detection and Elimination ordinance in November of 2008 following the requirements of the MS4 permit. The ordinance prohibits the discharge, spilling or dumping of non-storm water substances or materials into waterways, details the identification protocols for non-storm water discharge or flow that is not considered illicit discharge, and establishes inspection and enforcement authority. In 2011, all major outfalls were evaluated by a consulting firm with none requiring further investigation.

- Construction Site Pollutant Control

The Community Development Department is responsible for the enforcement of the erosion and sediment control ordinance including review of erosion control permits and plans.

- Post-Construction Storm Water Management

The City requires compliance and is responsible for enforcing the provisions of this ordinance through the stormwater management plan reviews performed by the Engineering Department. Maintenance agreements are required for all privately owned BMPs constructed in the City of Muskego.

- Pollution Prevention

The City's Pollution Prevention Program was developed in 2008, which includes stormwater facility inspection and maintenance, street and catch basin cleaning protocols, road salt and yard waste management, municipal garage and yard inspections and maintenance, and municipal staff education. All roads were cleaned a minimum of two times in 2011 and any catch basins were cleaned once. Road salt was kept to a minimum by calibrating application rates to a minimum for arterials and collectors and only salting minor and local intersections.

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

**Annual Report under MS4**

**General Permit No. WI-S050075-1**

Form 3400-195 (R 01/12)

Page 4 of 9

If yes, provide the following: Model used SLAMM Version 9.4 Reduction (%) 31.2

If no, include a description of any actions the municipality has undertaken during 2011 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 retrofit evaluation was completed in 2008, which concluded that three municipally owned dry ponds could potentially be retrofitted to increase TSS removal. These potential retrofits will be examined when conducting a full evaluation as to how to best meet the 40% TSS removal requirement.

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

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.

The City now has an updated interactive Storm Sewer System Map available to the public at the following web-site:  
<http://www.ci.muskego.wi.us/GISMaps/MapMuskegoIntranet/tabid/924/Default.aspx>

**SECTION VI. Fiscal Analysis**

- a. Provide a fiscal analysis that includes the annual expenditures for 2011, and the budget for 2011 and 2012. A table to document fiscal information is provided on page 6.
- b. What financing/fiscal strategy has the municipality implemented to finance the requirements of the general permit?  
 Storm water utility  General fund  Other Special Revenue Account
- 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 Muskego has a fund generated by the active landfill operations that may appropriate monies toward the City's storm water management goals.

**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.muskego.wi.us/Portals/0/docs/Chptr29.pdf>

- 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.muskego.wi.us/Portals/0/docs/Chptr34.pdf>

- 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.muskego.wi.us/Portals/0/docs/Chptr34.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:

- 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 are completed as permits are applied for and as violations occur. Should a complaint come to the City's attention, we will inspect the situation and issue orders for compliance. If a permit is issued, inspection will occur prior to new home permit issuance and throughout the home building process. In 2011, the City issued 42 new home permits and 12 commercial/industrial permits.



**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/org/water/wm/wqs/orwerw/>)  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/org/water/wm/wqs/303d/303d.html>)  Yes  No If yes, complete the following:

- Impaired waterbody to which the MS4 discharges:

Little Muskego Lake

- 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 pollutant of concern for Little Muskego Lake is Total Phosphorous, which is categorized as low priority. Actions to reduce Total Phosphorous may include educational activities or resources that focus on limiting the use of residential and municipal lawn fertilizers as well as limiting the use of manure in agricultural areas. This has been completed by direct mailing of an educational brochure to all residents of the City of Muskego, which was discussed earlier and is enclosed.

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

No known improvements were made.

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 degradation was identified during 2011.

**SECTION IX. Proposed Program Changes**

a. Describe any proposed changes to the storm water management program being contemplated by the municipality for 2012 and the schedule for implementing those changes. Proposed program changes must be consistent with the requirements of the general permit.

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

Program Element	Annual Expenditure		Budget		Source of Funds
	2011	2012	2011	2012	
Public Education and Outreach	\$3,524.00		\$2,500.00	\$3,750.00	Special Revenue Account
Public Involvement and Participation	\$3,524.00		\$2,500.00	\$3,750.00	Special Revenue Account
Illicit Discharge Detection and Elimination	\$4,029.91		\$2,500.00	\$2,500.00	Special Revenue Account
Construction Site Pollutant Control	\$10,000.00		\$0	\$0	Permits-Approximate
Post-Construction Storm Water Management	\$3,000.00		\$0	\$0	Developer's Deposit
Pollution Prevention	\$15,000.00		\$15,000.00	\$15,500.00	General Revenue-Approximate staff time used
Storm Water Quality Management (including pollutant-loading analysis)	\$0		\$50,000.00	\$0	Special Revenue Account
Storm Sewer System Map	\$4,000.00		\$2,000.00	\$2,000.00	Developer's Deposit and approximate staff time used
Other	\$3,000.00		\$3,000.00	\$3,000.00	Special Revenue Account



**Annual Report under MS4  
General Permit No. WI-S050075-1**

Form 3400-195 (R 01/12)

Page 9 of 9

<b>NORTHERN REGION COUNTIES</b>			<b>WEST CENTRAL REGION COUNTIES</b>		
Ashland	Langlade	DNR Service Center	Adams	Marathon	DNR Service Center
Barron	Lincoln	1701 N. 4th Street	Buffalo	Monroe	5301 Rib Mountain Rd.
Bayfield	Oneida	Superior, WI 54880	Clark	Portage	Wausau, WI 54401
Burnett	Polk	Phone: (715) 392-7988	Crawford	Trempealeau	Phone: (715) 359-4522
Douglas	Price		Jackson	Vernon	
Florence	Rusk		Juneau	Wood	
Forest	Sawyer		La Crosse		
Iron	Taylor				
	Vilas				
	Washburn		Chippewa	Pepin	DNR Service Center
			Dunn	Pierce	890 Spruce St.
			Eau Claire	St. Croix	Baldwin, WI 54002
					Phone: (715) 684-2914

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

<b>SOUTHEAST REGION COUNTIES</b>		
Kenosha	Sheboygan	DNR Service Center
Milwaukee	Walworth	141 NW Barstow Street,
Ozaukee	Washington	Room 180
Racine	Waukesha	Waukesha, WI 53188
		(262) 574-2100