

State of Wisconsin  
Department of Natural Resources  
dnr.wi.gov

## Due by March 31, 2009

This form is for the purpose of annual reporting on activities undertaken pursuant to the Municipal Separate Storm Sewer System (MS4) General Permit No. WI-S050075-1. An owner or operator of a municipal separate storm sewer system covered by the general permit under Chapter NR 216, Wis. Adm. Code, is required to submit an annual report to the Department of Natural Resources by March 31 of each year to report on activities for the previous calendar year. A municipality that received its initial permit coverage in 2006 needs only to report on activities undertaken in calendar year 2008. A municipality that received its initial permit coverage in 2007 needs to report on activities undertaken in both calendar years 2007 and 2008.

Use of this specific form is optional. The Department of Natural Resources has created this form for the user's convenience and believes that the information requested on this form meets the reporting requirements for an owner or operator of a municipal separate storm sewer system covered by the general permit.

**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-date to comply with the general permit. Complete and submit the annual report by March 31, 2009, to the appropriate address indicated on the last page of this form.

### SECTION I. Municipal Information

Name of Municipality Village of Mukwonago		Facility ID No. (FIN) 35717	
Mailing Address 440 River Crest Court	City Mukwonago	State WI	Postal Code 53149
County(s) in which Municipality is located Waukesha, Walworth	Type of Municipality: (check one) <input type="checkbox"/> County <input type="checkbox"/> City <input checked="" type="checkbox"/> Village <input type="checkbox"/> Town <input type="checkbox"/> Other (specify) Mukwonago		

### SECTION II. Municipal Contact Information

Name of Municipal Contact Person Mr. Paul J. Moderacki		Title Administrator/Clerk/Treasurer	
Mailing Address 440 Rivercrest Court	City Mukwonago	State WI	Postal Code 53149
E-mail Address pmoderacki@villageofmukwonago.com	Telephone No. (including area code) (262) 363-6421	Fax No. (including area code) (262) 363-6425	

### 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 Paul Moderacki	Authorized Representative Title Administrator/Clerk/Treasurer		
Authorized Representative Signature	Date Signed		
E-mail Address pmoderacki@villageofmukwonago.com	Telephone No. (including area code) (262) 363-6421	Fax No. (including area code) (262) 363-6425	

**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 has been discussed at several recent Village staff meetings and will be placed on the Village's website upon completion. The general public, governing body and interested groups have been and will be encouraged to review and comment on this report.

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 Village's WPDES Permit has been an agenda item at several recent Village Board and staff meetings to keep officials and staff up to date.

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:  
Storm Water Management System Plan, December 2008 - Currently in draft form awaiting final DNR review.

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 Village has joined Waukesha County's Public Information and Education program in March of 2008. It is the Village's intent that this agreement, augmented with activities from Village Staff, will cover the public education and outreach (Section 2.1) and public involvement and participation (Section 2.2) sections of the Village's WPDES permit. A copy of this agreement is included with this annual report.

The Village has also signed a contract with Ruekert/Mielke to assist the Village with the following sections of the general permit: illicit discharge detection and elimination program development, pollution prevention program development, quantification of pollutant loadings, determining alternative means of meeting pollutant reduction goals and development of a storm sewer map

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

If yes, provide web address:  
[www.villageofmukwonago.com](http://www.villageofmukwonago.com)

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:  
The Village is currently in the process of adding a dedicated storm water management section to their website.

<http://www.villageofmukwonago.com/dpw.htm>

[http://www.villageofmukwonago.com/refuse\\_collection.htm](http://www.villageofmukwonago.com/refuse_collection.htm)

## 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. 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 Village has joined the Waukesha County Information and Education program as outlined in the attached agreement dated March, 2008. The Village has worked with the County on the 2008 activities and to develop the 2009 work plan. At the same time, the Village maintained yard waste and other storm water related information on its website. The pet waste brochure is also currently handed out with all new dog license applications. In 2009, the Village will make the monthly news letters available to visitors at Village Hall, will distribute appropriate press releases to the local newspaper, will create a specific storm water section on their website, will work with the County to host the storm water display at a minimum of one appropriate community event and will speak to at least one community group regarding storm water management and water quality concerns. A detailed list of activities completed in 2008 as part of the Waukesha County program is attached.

- **Public Involvement and Participation**

The Village has joined the Waukesha County Information and Education program as outlined in the attached agreement. The Village has worked with the County on the 2008 activities and to develop the 2009 work plan. The Village also worked with the County on stenciling projects within the Village completed by the Mukwonago High School and Eagleville Elementary School. In total, over 150 catch basins were stenciled in 2008 and a copy of a map showing the location of those stenciled basins is attached. In 2009, the yard waste and stenciling handouts will be made available at Village Hall to interested persons and the Village intends to speak to at least one community group regarding water quality to promote additional stenciling activities.

- **Illicit Discharge Detection and Elimination**

The Village's updated illicit discharge detection and elimination ordinance was sent to the Department on December 31, 2008 and approved by the Village Board on January 6, 2009 (see attached meeting minutes). This ordinance was modeled after Waukesha County's ordinance, is available upon request and will soon be available on the Village's website. The Village's written illicit discharge response and enforcement procedure is attached. The Village recognizes receipt of the Department's March 30, 2009 comments on their illicit discharge procedure. The Village will address those comments and submit an updated procedure to the Department for review. The initial field screening will be completed prior to January 1, 2010, as will a draft version of the Village's long term field screening program.

- **Construction Site Pollutant Control**

The Village's updated erosion control and storm water management ordinance was sent to the Department on December 31, 2008 and was approved by the Village Board on January 6, 2009 (see attached meeting minutes). This ordinance was modeled after Waukesha County's ordinance, is available upon request and will soon be available on the Village's website. The Village's written erosion control enforcement procedure and flow chart was also sent to the Department on December 31, 2008 and is attached. The Village recognizes receipt of Department's March 30, 2009 comments on their construction site inspection and enforcement procedure. The Village will address those comments and submit an updated procedure to the Department for review. The Village will monitor the frequency and magnitude of inspections and enforcement activities in 2009, for reporting on the 2009 annual report.

- **Post-Construction Storm Water Management**

The Village's updated erosion control and storm water management ordinance was sent to the Department on December 31, 2008 and approved by the Village Board on January 6, 2009 (see attached meeting minutes). This ordinance was modeled after Waukesha County's ordinance, is available upon request and will soon be available on the Village's website. The Village's written enforcement and long term maintenance procedure was also sent to the Department on December 31, 2008 and is attached. Also attached is a blank copy of the Village's storm water facility inspection form. The Village recognizes receipt of the Department's March 30, 2009 comments on their storm water facility inspection program. The Village will address those comments and submit an updated procedure to the Department for review. The Village will monitor the frequency and magnitude of inspections and enforcement activities in 2009, for reporting on the 2009 annual report.

- Pollution Prevention

A draft version of the Village's pollution prevention plan was submitted to the Department on December 31, 2008 and is attached. The Village recognizes receipt of the Department's March 30, 2009 comments on their pollution prevention program. The Village will address those comments and submit an updated plan to the Department for review.

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 SLAMM Version 9.3 Reduction (%) 22.1%

Has the municipality completed a pollutant-loading analysis to assess compliance with the 40% TSS reduction developed urban area performance standard?  Yes  No

If yes, provide the following: Model used SLAMM Version 9.3 Reduction (%) 22.1%

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 only Village-owned storm water facility is located in the Gateway District. This facility is a wet pond, currently being maintained and performing with a high TSS removal.

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

An updated map was provided to the Department on December 31, 2008. A copy is attached.

**SECTION VI. Fiscal Analysis**

a. Municipalities that received initial permit coverage in 2006: Provide a fiscal analysis that includes the annual expenditures for 2008, and the budget for 2008 and 2009. Municipalities that received initial permit coverage in 2007: Provide a fiscal analysis that includes the annual expenditures for 2007 and 2008; and the budget for 2007, 2008, and 2009. A table to document fiscal information is provided on page 6 (Municipalities that received initial permit coverage in 2006 do not need to complete expenditure and budget information for 2007.).

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 Village currently has a storm water utility in place for the Gateway District. The Village is also completing a study to review the impacts of implementing a Village-wide storm water utility. This study will be completed in 2009. The Village has significant concerns regarding the fiscal requirements needed to complete the forthcoming storm water permit compliance activities. The Village's 2009 storm water budget is attached, showing expenditures from prior years as well as the 2009 budget.

**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:

The ordinance was provided to the Department on December 31, 2008 and is available upon request.

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:

The ordinance was provided to the Department on December 31, 2008 and is available upon request.

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:

The ordinance was provided to the Department on December 31, 2008 and is available upon request.

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:

Section 34-32 Public Nuisances

Section 66-78 Management of Waste Oil and Waste

[http://www.villageofmukwonago.com/chapter\\_34.htm#Sec.\\_34-32](http://www.villageofmukwonago.com/chapter_34.htm#Sec._34-32)

[http://www.villageofmukwonago.com/chapter\\_66.htm#Sec.\\_66-78](http://www.villageofmukwonago.com/chapter_66.htm#Sec._66-78)

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 Village enforced numerous erosion control violations against their old ordinance in 2008. In 2009, the Village will transition to enforcement of the updated ordinance.

**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:  
Mukwonago River

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:

Fox 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:

The Fox River is impaired primarily due to excess sediment, phosphorus, and PCB's within the waterway. The recommendations found within the Village's draft storm water management study, along with the information and education and pollution prevention programs will help reduce sediment and phosphorus loadings.

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

None known

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 known

**SECTION IX. Department of Commerce Authority**

Does the municipality currently have authority from the Wisconsin Department of Commerce to regulate erosion control at public buildings and places of employment?  Yes  No

If no, has the municipality requested such authority from the Department of Commerce pursuant to s. 101.1205(4), Wis. Stats., within 18 months after the municipality's permit coverage start date?  Yes  No If no, explain:  
The Village has requested authority, but has not yet been granted it. See attached correspondence between the Village and the Department of Commerce.

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

Program Element	Annual Expenditure		Budget			Source of Funds
	2007*	2008	2007*	2008	2009	
Public Education and Outreach						See Attached.
Public Involvement and Participation						
Illicit Discharge Detection and Elimination						
Construction Site Pollutant Control						
Post-Construction Storm Water Management						
Pollution Prevention						
Storm Water Quality Management						
Storm Sewer System Map						
Other						

\* Municipalities that received initial permit coverage in 2006 do not need to complete expenditure and budget columns for 2007

<b>NORTHERN REGION COUNTIES</b>			<b>WEST CENTRAL REGION COUNTIES</b>		
Ashland	Langlade	DNR Service Center	Adams	Marathon	DNR Service Center
Barron	Lincoln	1401 Tower Ave.	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
		Phone: (262) 884-2300

# Waukesha County Information and Education Program -- 2008 Activity Summary

Date	Type of Activity	Location	Number of People	Details of Activity
1/16/2008	speaking	Dousman elementary	80	Kettle Moraine School District
1/8/2008	doorhangers	Wisconsin Hills Middle School	1000	Supplied 1000 door hangers to 3 students working on project
1/19/2008	display	Jan-Boree at Schuetze Bldg	1450	Display at pancake breakfast and other activities in Schuetze Bldg.
2/5/2008	speaking and presentation	St. Paul's Oconomowoc	170	Did in class discussion with activities with younger students and then presented power point program to the entire upper grades.
3/11/2008	workshop	Ruekert and Mielke	95	Stormwater Workshop for engineers and municipal officials
3/20/2008	speaking	Spring City Garden Club	25	EB Shurts Building--Rain Garden Topic
4/1/2008	display	Town of Delafield	300	display at town hall during spring voting
4/3/2008	display	Pewaukee Library	40	display to Downstream Impact meeting of PRP
4/3/2008	speaking	Pewaukee Library	40	gave short presentation as part of panel at Downstream impact meeting of PRP
4/19/2008	stenciling	Mukwonago	30	beginning on 4-19 and on-going throughout the summer, the high school ecology club will be stenciling in and around Mukwonago. Completed 131 storm drains in 2008
4/16/2008	presentation	Magee Elementary	50	last minute substitution to recycling program, due to funeral
4/17/2008	speaking	Waukesha County	22	Lunch n Learn on rain gardens and rain barrels
4/18/2008	speaking	WCTC	12	Invasive Species presentation
4/22/2008	workshop	Ruekert and Mielke	80	Stormwater Workshop for engineers and municipal officials
4/24/2008	presentation	Pewaukee River Partnership	15	refresher for returning monitors and sign-up new monitors
4/26/2008	rain garden	Retzer Nature Center	25	Rain garden/rain barrel class during Earth Week
4/30/2008	groundwater presentation	Lake Country Lutheran high	30	Used groundwater model in class presentation during groundwater unit
5/8/2008	stenciling	Oconomowoc	1	Individual stenciled 75-100 drains near her home in Oconomowoc
5/3/2008	training	Waterville Field Station	22	annual citizen stream monitoring training
5/5/2008	speaking	Pleasant Hills School	44	Pleasant Hills is in Waukesha school district but on edge of Brookfield
5/6/2008	display	Lake Pewaukee Sanitary District	10	Coordinated with sanitary district to provide display and handouts for shoreline restoration workshop
5/9/2008	stenciling	Waukesha	30	Central middle School clean-up day
5/10/2008	stenciling	Pewaukee	20	Pewaukee Schools stenciling in downtown Pewaukee
5/12/2008	rain garden	Waukesha Public Library	12	Rain garden program for special May gardening series
5/15/2008	speaking	Whittier Elementary	38	Waukesha School District
5/16/2008	benchmark	Pebble Creek	1	started new monitor on Pebble Creek at Sunset
5/19/2008	speaking	Pewaukee Horizon	160	5th grade classes
5/19/2008	stenciling	Pewaukee Horizon	160	6th grade classes stenciling in Rocky Point and Deer Haven Subdivisions reached 2000 homes and painted about 550 storm drains
5/20/2008	speaking	Randall Elementary	40	Waukesha School District
5/21/2008	benchmark	Jericho Creek	2	started new monitor on Jericho Creek
5/22/2008	presentation	Camp Whitcomb	90	Lake Study program with 5th grade from Pewaukee Schools
5/23/2008	presentation	Camp Whitcomb	60	Lake Study program with 5th grade from Pewaukee Schools
5/30/2008	benchmark	Oconomowoc River	2	New monitors starting at West Shore Drive
6/2/2008	benchmark	Genesee Creek	1	new monitor starting off hwy 83
6/5/2008	speaking	Carroll College	6	Environmental Science summer school class
6/20/2008	benchmark	Fiddler's Creek	2	John and Judy Hasse--new monitors just south of Hwy 18
6/14/2008	program	Retzer Nature Center	36	Healthy Soils workshop for general public
6/24/2008	program	UW-Waukesha Field St.	30	4-H program: talked about water quality and looked at water bugs
7/7/2008	stenciling and speaking	LaCasa	19	Power point program followed by storm drain stenciling in Spanish
7/9/2008	program	Chinook Girl Scout Center	15	Eco-action badge--learned actions they could take to help water quality
7/15/2008	groundwater presentation	LaCasa	20	Used groundwater model in presentation
7/21/2008	monitoring program	LaCasa	12	Met at Bethesda Park to do water monitoring on Fox River
7/23/2008	stenciling	Menomonee Falls	1	Delivered stencils to Matt Redmond with Harley Davidson who will stencil at Menomonee Falls plant location
7/29/2008	speaking	Salvation Army	10	Presentation to Women's Ministry group
8/21/2008	Project WET training	Retzer Nature Center	7	Trained 7 teachers--mostly out of county
8/31/2008	stenciling	Waukesha	70	Carroll University students --volunteer work day stenciled much of City of Waukesha
8/8/2008	display	Town of Lisbon	800	Display used at several events over 3 weeks
9/2/2008	benchmark	Paradise Springs	1	New Monitor at Paradise Springs near Eagle
9/21/2008	display	Apple Harvest Fest	500	Rain garden grant information
9/21/2008	rain garden	Apple Harvest Fest	20	Short rain garden presentation by back rain garden
9/22/2008	program	St. Charles School-Hartland	21	Water monitoring experience at the Bark River
10/1/2008	program	Elm Grove	12	Turn Over a New Leaf Workshop
10/4/2008	display	Town of Waukesha	1200	Pancake breakfast at firehouse
10/7/2008	program	Eagleville Elementary	10	After school program with Lego club
10/8/2008	stenciling	Lego Club of Eagleville	10	stencil project in Mukwonago
10/9/2008	program	Pewaukee Library	13	Turn Over a New Leaf Workshop
10/11/2008	program	Retzer Nature Center	15	Turn Over a New Leaf Workshop
10/14/2008	display	Pewaukee Library		
10/14/2008	program	University Lake School	18	Keyed out macroinvertebrates and calculated biotic index
10/16/2008	speaking	Randall Elementary	52	Waukesha School district
10/20/2008	speaking	Elmwood, New Berlin	99	Elmwood School in New Berlin
10/24/2008	speaking	Heyer Elementary	46	Waukesha School District
10/23/2008	stenciling	Mukwonago	15	Lego Club from Eagleville Elementary Charter School stenciled new subdivision in Mukwonago
10/27/2008	program	Bethesda Park	49	Water testing program with Elmwood 6th graders
10/28/2008	program	Bethesda Park	49	Water testing program with Elmwood 6th graders-day 2-other half of class
10/30/2008	program	WAE conference	8	Taught session "Water from Start to Finish" at conference
11/13/2008	program	St. Paul's Oconomowoc	20	Taught session on soils and conservation
11/15/2008	display	MRF Open House	70	Materials Recycling Facility in Waukesha
12/3/2008	display	Town of Brookfield	80	Annual Tree lighting ceremony
12/15/2008	display	City of Pewaukee	400	Annual Tax paying time
12/17/2008	brochures	Town of Vernon		sent 50 each of Lawn Watering, Rain Gardens, Rethinking Yard Care and Lawn and Garden Pesticides
12/18/2008	brochures	Town of Merton		sent 50 of Rain Gardens and 30 Storm Drain Stenciling