



Village of River Hills NR216 Annual Report

2015 Reporting Year



Village of River Hills
North Shore Group
WPDES Permit No. WI-S061565-2



March 17, 2016

DNR Service Center
Attn: Storm Water Program
141 NW Barstow Street,
Room 180 Waukesha, WI 53188

Dear DNR Representative,

Please find enclosed the 2015 Annual Report under MS4 General Permit No. WI-S061565-2 submitted by Clark Dietz, Inc. on behalf of the Village of River Hills department of Public Works.

Please direct all contacts to me, Brandon Flunker, if you have any questions or concerns.

Sincerely,

Brandon Flunker
Project Engineer
Clark Dietz, Inc. – Engineers
759 N Milwaukee St.
Milwaukee, WI 53202

(414) 727-4990 ext. 2003

Due by March 31, 2016

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 2015.

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, 2016, to the appropriate address indicated on the last page of this form.

SECTION I. Municipal Information			
Name of Municipality		Facility ID No. (FIN)	
River Hills		31328	
Mailing Address	City	State	ZIP Code
7650 N. Pheasant Lane	River Hills	WI	53217
County(s) in which Municipality is located		Municipality Type: (select one)	
Milwaukee		<input type="radio"/> County <input type="radio"/> City <input checked="" type="radio"/> Village <input type="radio"/> Town <input type="radio"/> Other (specify)	

SECTION II. Municipal Contact Information			
Name of Municipal Contact Person		Title	
Kurt Fredrickson		Superintendent of Public Works	
Mailing Address (if different from above)	City	State	ZIP Code
7650 N. Pheasant Lane	River Hills	WI	
Email	Phone Number (include area code)	Fax Number (include area code)	
kfredrickson@vil.river-hills.wi.us	(414) 352-0080	(414) 352-8206	

SECTION III. Certification			
<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>			
Authorized Representative Printed Name		Authorized Representative Title	
Kurt Fredrickson		Superintendent of Public Works	
Signature of Authorized Representative		Date	
Email	Phone Number (include area code)	Fax Number (include area code)	
kfredrickson@vil.river-hills.wi.us	(414) 352-0080	(414) 352-8206	

SECTION IV. General Information	
<p>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.</p> <p>The annual report will be presented at Village Council meetings with public comment. A copy will be available upon request.</p>	
<p>b. Describe how elected and municipal officials and appropriate staff have been kept apprised of the municipal storm water discharge permit and its requirements.</p> <p>The annual report will be presented at Village Board meetings with public comment. A copy will be available upon request.</p>	
<p>c. Has the municipality prepared its own municipal-wide storm water management plan? <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>If yes, title and date of storm water management plan:</p> <p>Village of River Hills Stormwater Management Plan - 2000</p>	

SECTION IV. General Information (continued)

d. Has the municipality entered into a written agreement with another municipality or a contract with another entity to perform one or more of the conditions as provided under section 2.10 of the general permit? Yes No

If yes, describe these cooperative efforts:

River Hills is a member of the North Shore Group, permit #WI-S061565-2

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

If yes, provide web address:

<http://www.riverhillswi.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: http://www.riverhillswi.com/government/comm_environment/articles/water_quality/water_quality.asp

SECTION V. Permit Conditions

a. **Minimum Control Measures:** For each of the permit conditions listed below, provide a description of the implementation of each program element, the status of meeting measurable goals, and compliance with permit schedule in section 2.11 of the MS4 general permit. Provide an evaluation of program compliance with the general permit, the appropriateness of identified best management practices, and progress towards achieving identified measurable goals. Be specific in describing the actions that have been taken during the reporting year to implement each permit condition and whether measurable goals have been met, including any data collected to document a measurable goal. Also, explain the reasons for any variations from the compliance schedule in the MS4 general permit.

• Public Education and Outreach

The Village of River Hills publishes information on the Village website which includes postings about household hazardous waste disposal, leaf/yard waste/brush collection, recycling, among other topics. The Village will continue to incorporate pertinent information into the newsletters provide them to its residents via the Village website. After submittal, the updated MS4 Annual Report and permit will also be posted to the Village's website for residents to review.

• Public Involvement and Participation

Bi-Annual drop off days for large items, chemicals, computers, televisions, etc.

• Illicit Discharge Detection and Elimination

Due to the lack of stormwater conveyance via storm sewers in the village, there are no areas deemed as outfalls which required testing. Ditch conveyance is the primary method for transporting stormwater runoff. These ditches are regularly cleaned and inspected for illicit discharges by public works personnel.

• Construction Site Pollutant Control

Due to the small number of construction sites within the Village, all sites are targeted for inspection. Filling and Excavating Permits are received and issued by the Village. These permits trigger the soil and erosion control requirements of NR216. Other activities in the Village which do not require inspections are also monitored on an as-needed basis; however, documentation of these sites is not required.

• Post-Construction Storm Water Management

The Village reviews all stormwater management plans, and ground cover of public drainage facilities is maintained. The Village does not own detention basins/ponds requiring sediment inspection.

SECTION V. Permit Conditions (continued)

• **Pollution Prevention**

The Village does not have any storm sewers and the Village's streets are almost entirely drained by roadside ditches. Therefore, street sweeping is not conducted. There is no inventory of catch basins within the Village and no regular schedule to clean them. There are only a handful of catch basins within the Village. The curb lines of each of the catch basins are cleaned periodically to minimize debris. Catch basins are repaired on an as-needed basis. Quarterly DPW yard inspections are conducted each year to ensure compliance with the permit. The Village continues to collect brush from the residents each year. Following the collection, brush is converted into mulch and offered to the residents for use in landscaping or is given to landscape contractors. The Village also performs roadside ditch cleaning and grading/ landscaping activities in accordance with the current Wisconsin Construction Site Best Management Practices Handbook. The Village collects used motor oil from maintenance of equipment and resident drop-off and ensures that all extra road salt is stored at the Department of Public Works yard in a covered storage area that is approved and inspected.

b. Winter Road Management Activities (Optional reporting for 2014):

Provide the name, title, and phone number for the individual(s) with overall responsibility for winter roadway maintenance.

Kurt Fredrickson, Superintendent of Public Works, (414) 352-0080

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

Road Salt and/or Road Salt/Sand Mixture

Describe the type of equipment used to apply the products.

Salt Trucks/ Plows

Report the amount of product used per month.

377 Tons of salt and 50 tons of sand total throughout the winter

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

There is no snow hauling in River Hills.

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

Each salter is calibrated every year. Salter settings are adjusted for each salting session per conditions encountered or expected.

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

none

c. Municipal facility(s) (Optional reporting for 2015):

Provide an inventory of municipally owned or operated structural storm water management facility(s), include: Location of each facility and contact information for the individual(s) with overall responsibility for each facility.

The Village does not own detention basins/ponds or storm water management facilities besides grass ditches in right of way or easements. Ditches are cleared of garbage periodically.

Describe the housekeeping activities and best management practices installed to reduce or eliminate storm water contamination.

Ditches are cleared of garbage periodically.

SECTION V. Permit Conditions (continued)

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

N/A

Describe the municipal facility(s) employee training on storm water pollution prevention provided.

N/A

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

North Shore Fire Department is called and a Emergency Spill Response Team is dispatched.

d. Storm Water Quality Management: Has the municipality completed a pollutant-loading analysis to assess compliance with the 20% TSS reduction developed urban area performance standard? Yes No

If yes, provide the following: Model used _____ Version _____ Reduction (%) _____

If no, include a description of any actions the municipality has undertaken during 2014 to help achieve the 20% standard.
The Village continues to utilize grassed swales for TSS reduction.

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:

e. Best Management Practices Maintenance: Does the municipality have a maintenance program for installed storm water best management practices? Yes No

If yes, describe the maintenance program and any maintenance activities that have occurred for best management practices in 2014. If available, attach any additional information on the maintenance program.

Ground cover of public drainage facilities is maintained. The Village does not own detention basins/ponds requiring sediment inspection.

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

None

SECTION VI. Fiscal Analysis

a. Provide a fiscal analysis that includes the annual expenditures for 2014, and the budget for 2014 and 2015. A table to document fiscal information is provided on page 7.

The Village of River Hills does not itemize their budget related to stormwater expenditures. The fiscal analysis is shown below:

2015 Budget: \$27,000
2015 Actual: \$44,000
2016 Budget: \$28,000

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

SECTION VI. Fiscal Analysis (continued)

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.

See Part a above.

SECTION VII. Inspections and Enforcement Actions

Note: If an ordinance listed below has previously been submitted and has not been amended since that time, a copy does not need to be submitted again. If the ordinance was previously submitted, indicate such in the space provided.

a. As of the date of this annual report, has the municipality updated or revised its construction site pollutant control ordinance in accordance with subsection 2.4.1 of the general permit? Yes No If yes, attach copy or provide web link to ordinance:

Previously submitted

b. As of the date of this annual report, has the municipality updated or revised its post-construction storm water management ordinance in accordance with subsection 2.5.1 of the general permit? Yes No

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

c. As of the date of this annual report, has the municipality updated or revised its illicit discharge detection and elimination ordinance in accordance with subsection 2.3.1 of the general permit? Yes No If yes, attach copy or provide web link to ordinance:

Previously submitted

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:

Previously submitted

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.

One Filling and Excavating Permit was received and issued in 2015. A construction site pollution inspection was also performed. An enforcement action was conducted for a homeowner who had disturbed vegetation within 25ft of the Milwaukee River. The area has since been covered in erosion matting and seeded to revegetate the bank. Other activities in the Village which do not require inspections are also monitored on an as-needed basis; however, documentation of these sites is not required.

Additionally, there was one storm water management plans reviewed in 2015 for the Milwaukee County Country Club, the SWMP meets DNR and MMSD requirements for both discharge and water quality.

Due to the fact that nearly all stormwater flow is conveyed via ditches, the total amounts of debris collected from street sweeping and catch basin cleaning were very minimal and thus were not documented.

Approximately 600 gallons of motor oil was collected and 400 tons of road salt were used in 2015. Extra road salt is stored at the Department of Public Works yard in a covered storage area. There were no hazardous waste spills in 2015, nor were there any new BMP's implemented.

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:

The Milwaukee River is listed on the 303 (d) list of impaired water bodies. There are no known water quality degradations to this receiving water. The Village of River Hills has no known PCB or E. coli discharges within the MS4.

• 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:

Daily municipal activities include visual inspections of several areas of discharge. The village maintains the large network of grassed swales which help to reduce the pollutant prior to entering the receiving waters.

SECTION VIII. Water Quality Concerns (continued)

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

The Village has enforced their Stormwater Management Plan in 2015 which included water quality measures with new development. The village reviewed one SWMP in 2015.

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. Proposed Program Changes

Describe any proposed changes to the storm water management program being contemplated by the municipality for 2015 and the schedule for implementing those changes. Proposed program changes must be consistent with the requirements of the general permit.

None

SECTION X. Other

Any other additional information the permittee would like to provide in the Annual Report regarding their storm water program?

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

Program	Annual Expenditure 2014	Budget		Source of Funds
		2014	2015	
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:				



The Village of River Hills does not itemize their budget related to stormwater expenditures. The fiscal analysis is shown below:

2015 Budget: \$27,000
 2015 Actual: \$44,000
 2016 Budget: \$28,000

Save...

NORTHERN REGION COUNTIES			WEST CENTRAL REGION COUNTIES		
Ashland	Langlade	DNR Service Center	Adams	Marathon	DNR Service Center
Barron	Lincoln	Attn: Storm Water Program	Buffalo	Monroe	Attn: Storm Water Program
Bayfield	Oneida	5301 Rib Mountain Rd.	Chippewa	Pepin	5301 Rib Mountain Rd.
Burnett	Polk	Wausau, WI 54401	Clark	Pierce	Wausau, WI 54401
Douglas	Price	Phone: (715) 359-4522	Crawford	Portage	Phone: (715) 359-4522
Florence	Rusk		Dunn	St. Croix	
Forest	Sawyer		Eau Claire	Trempealeau	
Iron	Taylor		Jackson	Vernon	
	Vilas		Juneau La	Wood	
	Washburn		Crosse		

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

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



Village of River Hills
DPW Yard Quarterly Inspection Form
North Shore Group
WPDES Permit No. WI-S061565-2



Date Inspected: January 30, 2015

Location: DPW Yard/Garage located at 7650 N. Pheasant Lane

Date of Last Rainfall (must be at least 24 hrs after any 0.1" rainfall): >24 hours
(Source: National Weather Service Milwaukee/Sullivan, WI)

Signs of NonStormwater Flows? (if yes, complete information below) : None

Water Color: _____
Turbidity (visual) : _____
Surface Sheen: _____
Odor: _____
Potential Source: _____

Change in drainage conditions from SWPPP?

No

Change in potential pollutant sources from SWPPP?

No

BMP's prescribed in SWPPP are being implemented, properly operated, and properly maintained?

Yes

Additional Comments/Observations:

The yard was clean. No signs of salt runoff or spills of any gas or oil. Leaves, woodchip, and dirt piles were tidy.

Name of Inspector: Brandon Flunker

A handwritten signature in black ink, appearing to read "Brandon Flunker".

Signature of Inspector:



Village of River Hills
DPW Yard Quarterly Inspection Form
North Shore Group
WPDES Permit No. WI-S061565-2



Date Inspected: May 22nd, 2015

Location: DPW Yard/Garage located at 7650 N. Pheasant Lane

Date of Last Rainfall (must be at least 24 hrs after any 0.1" rainfall): >24 hours
(Source: National Weather Service Milwaukee/Sullivan, WI)

Signs of NonStormwater Flows? (if yes, complete information below) : None

Water Color: _____
Turbidity (visual) : _____
Surface Sheen: _____
Odor: _____
Potential Source: _____

Change in drainage conditions from SWPPP?

No

Change in potential pollutant sources from SWPPP?

No

BMP's prescribed in SWPPP are being implemented, properly operated, and properly maintained?

Yes

Additional Comments/Observations:

The yard was clean. All bays of material were tidy. Topsoil and yard debris dump area may want to have silt fence put around the back "north" side of piles.

Name of Inspector: Brandon Flunker

A handwritten signature in black ink, appearing to read "Brandon Flunker".

Signature of Inspector:



Village of River Hills
DPW Yard Quarterly Inspection Form
North Shore Group
WPDES Permit No. WI-S061565-2



Date Inspected: August 28, 2015

Location: DPW Yard/Garage located at 7650 N. Pheasant Lane

Date of Last Rainfall (must be at least 24 hrs after any 0.1" rainfall): >24 hours
(Source: National Weather Service Milwaukee/Sullivan, WI)

Signs of NonStormwater Flows? (if yes, complete information below) : None

Water Color: _____
Turbidity (visual) : _____
Surface Sheen: _____
Odor: _____
Potential Source: _____

Change in drainage conditions from SWPPP?

No

Change in potential pollutant sources from SWPPP?

No

BMP's prescribed in SWPPP are being implemented, properly operated, and properly maintained?

Yes

Additional Comments/Observations:

The yard was clean. No signs of salt runoff or spills of any gas or oil. Leaves, woodchip, and dirt piles were tidy. Tarps over salt

Name of Inspector: Brandon Flunker

A handwritten signature in black ink, appearing to read "Brandon Flunker".

Signature of Inspector:



Village of River Hills
DPW Yard Quarterly Inspection Form
North Shore Group
WPDES Permit No. WI-S061565-2



Date Inspected: December 23, 2015

Location: DPW Yard/Garage located at 7650 N. Pheasant Lane

Date of Last Rainfall (must be at least 24 hrs after any 0.1" rainfall): >24 hours
(Source: National Weather Service Milwaukee/Sullivan, WI)

Signs of NonStormwater Flows? (if yes, complete information below) : None

Water Color: _____
Turbidity (visual) : _____
Surface Sheen: _____
Odor: _____
Potential Source: _____

Change in drainage conditions from SWPPP?

No

Change in potential pollutant sources from SWPPP?

No

BMP's prescribed in SWPPP are being implemented, properly operated, and properly maintained?

Yes

Additional Comments/Observations:

The yard was clean. No observed salt spilled. Pavement had some salt stain. All piles were tidy.

Name of Inspector: Brandon Flunker

A handwritten signature in black ink, appearing to read "Brandon Flunker".

Signature of Inspector: