

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

Due by March 31, 2011

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. This form is for reporting on activities undertaken in calendar year 2010.

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. 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.].

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, 2011, to the appropriate address indicated on the last page of this form.

| SECTION I. Municipal Information | | | |
|---|---|---|----------------------|
| Name of Municipality VILLAGE OF STURTEVANT | | Facility ID No. (FIN) | |
| Mailing Address 2801 - 89 TH STREET | City STURTEVANT | State WI | Postal Code 53177 |
| County(s) in which Municipality is located RACINE | 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) | | |
| SECTION II. Municipal Contact Information | | | |
| Name of Municipal Contact Person CHARLES R STACHOWSKI | | Title DIRECTOR OF PUBLIC WORKS | |
| Mailing Address 2801 - 89 TH STREET | City STURTEVANT | State WI | Postal Code 53177 |
| E-mail Address publicworks@sturtevant-wi.gov | Telephone No. (including area code) (262) 886-2862 | Fax No. (including area code) (262) 886-7205 | |
| SECTION III. Certification | | | |
| <i>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.</i> | | | |
| Authorized Representative Printed Name CHARLES R. STACHOWSKI | | Authorized Representative Title DIRECTOR OF PUBLIC WORKS | |
| Authorized Representative Signature | | Date Signed 7 MAR 11 | |
| E-mail Address publicworks@sturtevant-wi.gov | Telephone No. (including area code) (262) 886-2862 | Fax No. (including area code) (262) 886-7205 | |

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 Director of Public Works presents an annual summary including this report to the Board of Trustees in March. Several times every month the Director provides reports and updates to the Storm and Waste Water Committee and the Board of Trustees. As situation dictate, the Director sends out emails with updates to committee members and the Board. The Village's Engineering Firm periodically presents storm water projects status and compliance updates. The Village Clerk post announcements of all meetings and hearings weekly. All meetings are open to the general public. The general public or any interested group(s) is invited to provide comments and input Stormwater discussions/plans. Minutes of the meeting and reports are available to the public. Resolutions and ordinances information is posted on the Village Webpage.

The Village has a Stormwater webpage with information and links to various municipal ordinances, state and federal sponsored Stormwater webpages.

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 Director of Public Works is the primary person for receiving and transmitting information from various organizations to include the DNR to Village staff and Board members. The Director attends various meetings and workshops on Stormwater Topics and Village public effort programs (South East (SE) Wisc Clean Water Network). Information is then brought back for staffing and reported to the Board for action or for informational purposes, if required. As mentioned above, the Director will send out emails to Committee and Board Members as the situation dictates.

c. Has the municipality prepared its own municipal-wide storm water management plan? Yes No

If yes, title and date of storm water management plan:

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

If yes, describe these cooperative efforts:

In 2006, the Village of Sturtevant and the Village of Mount Pleasant agreed to work together on storm water management. Both villages passed a joint resolution - Joint Resolution 2006-66 A JOINT RESOLUTION OF THE VILLAGE OF STURTEVANT AND VILLAGE OF MOUNT PLEASANT FORMALIZING A WORKING RELATIONSHIP AND UNDERSTANDING FOR STORMWATER MANAGEMENT OF THE PIKE RIVER WATERSHED WHICH DIRECTLY RELATES TO THE PIKE RIVER RESTORATION PROJECT. In 2008, the Village of Sturtevant passed a resolution to join the SE Wisc Clear Water Network (Resolution 2008-16) which addresses public information and education requirements as prescribed by NR 216. This contract was renewed in 2011 (Resolution 2011-02). The Village continues to work with the City of Racine Water Utility in operating a Household Hazardous Waste Disposal Site for residents to dispose of hazardous waste that otherwise might be disposed of in storm sewer drains.

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

If yes, provide web address:

www.sturtevant-wi.gov

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.sturtevant-wi.gov/index.php/Storm_Water_Utility

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 of Sturtevant is a member of the SE Wisc Clearwater Network. This network, working in conjunction with 18 other municipalities and state agencies, work on public education projects and goals. In 2010, the network sponsored a number of radio and television commercial spots that played in the greater SE Region of Wisconsin. In addition, the Director of Public Works periodically provides residents information on Stormwater issues in the Village Quarterly Newsletter. The village has a Stormwater Brochure for public information on the Village Webpage.

- Public Involvement and Participation

As mentioned, the Village utilizes and promotes a number of means to get public involvement and participation. The village as worked with local businesses to developed walking paths that connect storm detention ponds with the rest of the village. The detention ponds have informational plaques / stands on type of vegetation and purpose of the pond. Numerous residents and employees utilize these paths on a daily basis, particularly during the spring, summer, and fall months.

- Illicit Discharge Detection and Elimination

Chapter 15 (Erosion Control) and Chapter 21 (Stormwater) of the Village Municipal Code of Ordinances govern's the Village regulatory requirements. Both there developed with assistance from the DNR to ensure regulatory requirements were met in 2008. The Village continues to monitor it's stormwater system and retention ponds as prescribed by the permit. In 2009, the Village took 39 water samples to create a base line of all outfalls and ponds. In 2010, the village took samples at four locations. Three of the four were determined to be annual sample sites due to the type of composition, potential for illicit discharge occuring, and size of service area feeding into these locations (outfalls). The plan is to continue sampling the three designated annual sites along with one to two additional samples annually on a rotating basis for areas that have a lower potential for illicit discharge occuring.

- Construction Site Pollutant Control

The village monitors construction sites to insure policies and practices regarding Construction Site Control are being enforced. The Village Engineering firm and the building inspector are responsible for conducting site inspections (erosion control) and enforcing corrective action as needed. The buiding inspector performed 60 erosion control inspections and the Engineering firm conducted 32 site inspections in 2010. In addition, the Director will conduct impromptu site inspections during his normal work day. He would address any deficiencies with the appropriate site inspector to take corrective action, if required.

- Post-Construction Storm Water Management

Post-Construction Storm Water Management is managed by two general means within the Village of Sturtevant. The first means of management is by Village staff passively monitoring and identifying issues with the Stormwater System in the course of their normal duty day. Items identified are addressed by the Director with the appropriate individual(s) or agencies that have authority or ownership of the problem. The second means of management is by complaints. As individual(s) or organization(s) identify an issue, then the Director of Public Works investiages and addresses the issue with the appropriate individual(s) and agencies having duly authorized control over the issue. Chapter 15 of the Code of Ordinance is the authority by which Post-Construction Stormwater is managed.

- Pollution Prevention

The village continues to have an active street sweeping program. In 2010, the sweeper logged 1,614 miles of Village Streets being cleaned, picking up 99.75 tons of debris. This debris was disposed at a Kestral Hawk Landfill. Additionally, Village employees will report any construction debris during their day to day operations to the Director. The director will address the issue with the violator to ensure proper tracking pads and clean up is done within specified timelines.

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 (%) 38%

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 _____ Version _____ Reduction (%) _____

If no, include a description of any actions the municipality has undertaken during 2010 to help achieve the 40% standard by March 10, 2013.

The village completed the SLAMM analysis in 2008. Since that time, the village has constructed four additional village owned detention ponds. Additionally, private businesses have constructed two additional ponds. In 2010, the Village constructed an additional pond at the Recycle Center site and prepared to solicit bids for construction of a 50 acre detention pond. This pond will be constructed during 2011 with a completion date in October. With the increase in the number of new ponds since 2008, the Village believes it will achieve the 40% TSS requirement by 2013. In discussions with the Storm & Waste water Committee, the Director of Public Works is recommending another SLAMM analysis be done in the summer of 2012 to confirm 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:

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.

The Village has a GIS mapping program for the entire village containing a variety of items to include stormwater facilities, sump pump discharge lines, and ponds. This map is updated continually to reflect changes in the system. In addition, we are currently working on developing an inquiry system incorporating locations and historical reports for water sampling or manhole inspections which includes type of structure and repairs/modifications made. This should be completed in 2011.

SECTION VI. Fiscal Analysis

a. Provide a fiscal analysis that includes the annual expenditures for 2010, and the budget for 2010 and 2011. 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 TID and Bonds

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 Storm & Waste Water Committee has oversight of the management and policies regulating the Utility. The Director of Public Works has direct day-to-day management and supervision of operations of the Utility. The Director reports back to the committee and Board of Trustees. While the Utility has it's own budget, revenues are primarily generated by an annual fee. The fee structure is reviewed annually. General revenue derived from the annual fee is used to off-set operational cost associated with maintenance of the system. Capital construction and upgrades are done utilizing either bonds, operational, TID funds or a combination of all three. Recent pond construction in the TID district were financed by the TID district.

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:

Previously submitted.

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:

Previously submitted.

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:

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.

The building inspector annotated 60 inspections and enforcement actions on compliance with erosion control and stormwater policies. Additionally, the Village Engineering Firm conducted 32 inspections as well as held construction meetings. Erosion control measures were discussed at each of the meetings held with contractors. Deficiencies noted were communicated by either email, verbally, or by letter to the developer or contractor for corrective action with a follow up inspection to ensure

compliance. Documentation are not kept in one location and are associated with individual projects. The Director of Public Works participated in the construction meetings with the Village Engineering firm. The building inspector conducted residential home inspections on his own.

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:

Waxdale Creek

- 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:

Within the watershed, the Village has a street sweeping program to limit the amount of debris from entering the creek. In 2010, the Village swept 1,614 miles of roadway. In addition, the village constructed a detention pond at the Village Recycle Center in order to intercept runoff from the site, which directly fed into Waxdale Creek.

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

Waxdale Creek is a tributary of the Pike River Watershed Basin.

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

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

| Program Element | Annual Expenditure | | | Source of Funds |
|---|--------------------|-------------|----------------|---|
| | 2010 | 2010 | 2011 | |
| Public Education and Outreach | \$1,202.50 | \$2,250.00 | \$2,250.00 | Operational Stormwater Fund |
| Public Involvement and Participation | \$1,202.50 | \$0 | \$0 | Operational Stormwater Fund - Pay as Item is needed. There is no set budget. |
| Illicit Discharge Detection and Elimination | \$62.75 | \$1,500.00 | \$1,500.00 | Operational Stormwater Fund Does not include Salaries - Salaries are not broken out by Program Element - See Other below. |
| Construction Site Pollutant Control | \$0 | \$2,000.00 | \$2,000.00 | Operational Stormwater Fund and TID Funding Pay Items as needed. No Set Budget. Building Inspector oversees erosion control measures. |
| Post-Construction Storm Water Management | \$10,871.26 | \$17,000.00 | \$10,000.00 | Operational Stormwater Fund |
| Pollution Prevention | \$40,315.54 | \$25,000.00 | \$40,000.00 | Operational Stormwater Fund for Sweeper Operations General Fund for Grass/Yardwaste/Leaf Pick up |
| Storm Water Quality Management (including pollutant-loading analysis) | \$1,210,520.03 | \$20,500.00 | \$1,000,000.00 | Operational Stormwater Fund for day to day operations. TID and Bond Funding - Currently constructing new detention pond to be completed in 2011. |
| Storm Sewer System Map | \$0 | \$1,000.00 | \$1,000.00 | Actual Expenses for GIS is incorporated with cost of acutal construction projects and not itemized here. TID, Bond, and Operational Stormwater Funding is used. |
| Other | \$34,780.14 | \$27,015.00 | \$43,241.00 | Operational Stormwater Fund - The amts in this category are salaries and benefits. Salaries are not itemized across the various program elements. |