



VILLAGE OF CALEDONIA

MS4 Annual Report
Permit No. WI-S050059-2

This report is submitted by the Village of Caledonia in compliance with the provisions of The Root River Group WPDES Permit No. WI-S0-50059-2. The co-permittees of The Root River Group is comprised of the Village of Caledonia, City of Racine, City of New Berlin, City of Franklin, Village of Greendale, Village of Hales Corners, and Village of Mount Pleasant. This form is for reporting on activities undertaken in calendar year 2009.

Due by March 31, 2010

SECTION I. Municipal Information

Form section for Municipal Information including Name of Municipality (Village of Caledonia), Facility ID No. (31160), Mailing Address (6922 Nicholson Road), City (Caledonia), State (WI), Postal Code (53108), County (Racine), and Type of Municipality (Village).

SECTION II. Municipal Contact Information

Form section for Municipal Contact Information including Name of Municipal Contact Person (Anthony A. Bunkelman E.I.T.), Title (Assistant Village Engineer / Drainage Engineer), Mailing Address (6922 Nicholson Road), City (Caledonia), State (WI), Postal Code (53108), E-mail Address (abunkelman@caledoniawi.com), Telephone No. (262-835-6416), and Fax No. (262-835-2388).

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.

Form section for Certification including Authorized Representative Printed Name (Anthony A. Bunkelman E.I.T.), Authorized Representative Title (Assistant Village Engineer / Drainage Engineer), Authorized Representative Signature (Anthony A. Bunkelman), Date Signed (3/29/2010), E-mail Address (abunkelman@caledoniawi.com), Telephone No. (262-835-6416), and Fax No. (262-835-2388).

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 Village publishes its NR216 Annual Report on its website to notify the public of permit compliance activities and designates a Board meeting as a Public Hearing on Storm Water to invite and accept comments from residents.

- b. Describe how elected and municipal officials and appropriate staff have been kept apprised of the municipal storm water discharge permit and its requirements.

Elected and municipal officials are kept apprised of permit requirements at annual budget authorization meetings in September/October.

- 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:

Village of Caledonia Stormwater Management Plan, 2006.

- 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:

Root River Group - Agreement among seven municipalities to cooperatively address water quality concerns whenever feasible.

Root Pike WIN – Agreement between the Root River Group and Root Pike WIN to perform the Public Education and Outreach activities.

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

If yes, provide web address:

<http://www.caledoniawi.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 provides links to its MS4 Permit, Annual Reports, and to information on its Storm Water Management Program on its website.

<http://www.caledoniawi.com/2008%20Annual%20Report.pdf>

<http://www.caledoniawi.com/2008%20-%202013%20MS4%20Permit.pdf>

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**

An informational kiosk resides in Village Hall which provides citizens a centrally located source for stormwater and water quality information. The kiosk contains brochures, pamphlets, and maps from the UW-Extension, WI-DNR, NRCS, WI-DATCP, MMSD, and SEWRPC. These materials include information on pesticides and fertilizers, yard waste, car care, runoff rules for farmers, pest waste, urban runoff, the root river watershed, watershed protection, rain gardens, and more. The Village also provides links on its website that contain similar educational items related to storm water.

The Root River Group has entered into a contract with the Root-Pike Watershed Initiative Network for its Public Education & Outreach requirements. Appendix I outlines what the group's activities included in 2009 and what's proposed for 2010.

- **Public Involvement and Participation**

Citizens are encouraged to attend local Drainage Commission Meetings where they can address any topics of concern. Additionally, the Village publishes its NR216 Annual Report on its website to notify the public of permit compliance activities and it designates a Board meeting as a Public Hearing on Storm Water to invite and accept comments from residents.

- **Illicit Discharge Detection and Elimination**

Illicit Discharge Inspections are scheduled to be conducted in 2010 as outlined in the Village's program proposal. Results will be presented in the 2010 Annual Report.

- **Construction Site Pollutant Control**

The revised Erosion and Sediment Control Ordinance was adopted in September 2005. Inspection of construction sites is currently shared between staff of the Caledonia Engineering Department and the Building Inspection Department. Violations of the existing ordinance have been enforced through the Engineering Department and the Building Inspection Department. Development of a new Erosion Control Enforcement Program was completed in 2007 and enacted in 2008. The program consists of guidelines, procedures, and forms for permit applicants and Village staff related to Construction Site Pollutant Control. The Village continued to successfully implement the program in 2009 with a total of 15 approved erosion and sediment control permits.

- **Post-Construction Storm Water Management**

The Post-Construction Storm Water Management Ordinance was adopted in September 2005 and has since been approved. Revisions to the ordinance were conducted in 2008 and recently adopted in 2009. The Village continues to require compliance and enforce the provisions of this Ordinance through the Storm Water Management Plan reviews performed by the Engineering Department.

- Pollution Prevention

The 2007 study to determine the most effective methods to eliminate non-storm water discharges from the Village Hall Complex located on Nicholson Road resulted in the Storm Water Pollution Prevention Plan completed in 2008. Implementation began in 2008, which includes annual inspections to maintain pollutant removal efficiency. Copies of the inspections are available upon request.

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 WinSLAMM Version 9.4 Reduction (%) 26.2

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 (%) _____

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 continued to update the storm sewer map with information from projects that were installed in 2009. Updates also included adding sewer line material and diameter attributes where available.

SECTION VI. Fiscal Analysis

a. Provide a fiscal analysis that includes the annual expenditures for 2009, and the budget for 2009 and 2010.

Village of Caledonia	2009 Budget	2009 Expenditures	2010 Budget
Storm Water Management Plan	\$ 23,000.00	\$ 2,507.92	\$ 23,000.00
Storm Water Permit	\$ 7,500.00	\$ 3,000	\$ 4,000.00
Erosion Control Program	\$ -	-	-
SLAMM Analysis	\$ 18,000.00	-	\$ 20,000.00
Facilities Inspection	\$ 15,000.00	-	\$ 12,500.00
Pollution Prevention Plan	\$ -	-	-
Outreach Involvement	\$ 12,500.00	\$ 2,100	\$ 2,205.00
Detention Pond Retrofit	\$ -	-	-
Household Hazardous Waste	\$ 11,000.00	\$ 11,000.00	\$ 11,000.00
Totals	\$ 87,000.00	\$ 18,607.92	\$ 72,705.00

- 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 of Caledonia utilizes a storm water utility to pay for MS4 permit related activities. The Caledonia Storm Sewer Utility District Commission is comprised of the Lake Michigan Storm Sewer Utility District and the Root River Storm Sewer Utility District. Each District is granted a tax levy by the Village Board for financing all storm water operations, maintenance, and projects.

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.caledoniawi.com/document_display.aspx?cat_id=14&cat_type=

- 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.caledoniawi.com/document_display.aspx?cat_id=14&cat_type=

- 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.caledoniawi.com/document_display.aspx?cat_id=14&cat_type=

- 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:

http://www.caledoniawi.com/document_detail.aspx?document_id=29

- 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.

Fifteen new erosion control permits were issued in 2008. No enforcement actions were taken.

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/orwer/>) 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:

Root River & Lake Michigan

- 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:

No known PCB discharges within the MS4.

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

No additional water quality improvements were identified during the 2009 reporting period.

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 the 2009 reporting period.

SECTION IX. Department of Commerce Authority

Section 2.4.1.1.3 of the MS4 general permit requires a permittee that does not already have authority from the Wisconsin Department of Commerce (Commerce) to regulate erosion control at public buildings and places of employment to request such authority from Commerce within 18 months after the start date of permit coverage. However, as of January 1, 2010, responsibility for erosion control administration and enforcement for commercial building sites was transferred from Commerce to the Department of Natural Resources. This transfer took place due to 2009 Wisconsin Act 28, the 2009 state budget legislation, which moved s. 101.1205, Wis. Stats., commercial building construction site soil erosion and sediment control statutory language, to s. 281.33, Wis. Stats. As of January 1, 2010, the State's requirements for erosion control at commercial building construction sites will be administered by the Department of Natural Resources. Accordingly, a permitted municipality that was delegated to serve as an agent for Commerce will continue to serve as an agent for the Department of Natural Resources in accordance

As of January 1, 2010, was the municipality granted authority from the Wisconsin Department of Commerce to regulate erosion control at public buildings and places of employment? Yes No

SECTION X. Reapplication for Permit Coverage

Provide a description of any proposed changes to the municipality's storm water management program and any other relevant change that the municipality plans or anticipates.

At this time, the Village has no proposed changes to the storm water management program.

APPENDIX I

PUBLIC EDUCATION AND OUTREACH PROGRAM

Report, Keep Our Waters Clean
Submitted by Root-Pike Watershed Initiative Network
1/1/09-12/05/09

Scope	Outcomes
<p>Survey Root-Pike WIN will survey key target audiences to evaluate their general understanding of stormwater pollution issues and gauge the extent to which the Keep Our Waters Clean project increases this understanding and where appropriate, leads to changes in behavior that will improve local water resources.</p>	<p>We implemented a household survey in October to 500 randomly selected people from the 17 municipalities. UW-Extensions survey research center in Madison provided the survey documents and selected the random sample from lists of households provided by the municipalities. Andy Yench of UW-Extension, Milwaukee, helped to finalize the mailing list. The survey consists of five separate mailings. Results should be ready in January or February, 2010. We will use the results to finalize our new outreach campaign, which we plan to implement in the spring 2010.</p>
<p>Web Root-Pike WIN will plan, design, create and maintain a website for the Southeast Wisconsin Clean Water Network.</p>	<p>On the advice of Peter Wood, WIDNR, we did not develop a website for the Clean Water Network. We decided to wait and see the results of the household survey.</p>
<p>Advisory Committee Root-Pike WIN will facilitate the formation of an Advisory Committee comprised of at least seven representatives of the Southeast Wisconsin Clean Water Network</p>	<p>An Advisory Committee was formed consisting of Mark Janiak, Village of Sturtevant, Cathy Schwalbach, City of New Berlin, Randy Kerkman, Town of Bristol, George Stoner, Town of Somers, Jeff Sykes and Todd Weik, Crispell Snyder, Shelly Billingsley, City of Kenosha, Barbara Grant, Village of Wind Point and Jessie Henderson, R.A. Smith National. Pete Wood, WIDNR, Andy Yench, UW-Extension and Susan Greenfield, Root-Pike WIN are also participants. A subcommittee of that group was formed to oversee the Household Survey.</p>
<p>Meetings/Oversight</p> <ul style="list-style-type: none"> • Root-Pike WIN will plan and attend quarterly meetings of the Advisory Committee of the Southeast Wisconsin Clean Water Network. • Root-Pike WIN will attend eight meetings over 2 years with a representative of the Town of Bristol, the fiscal agent and others as part of the project oversight. 	<p><u>Intergovernmental Agreements and municipal Payments</u> Coordinated with Town of Bristol through email and phone calls the collection of Intergovernmental Agreements and first year payments.</p> <p><u>Municipal Meetings</u> Met with Town of Somers and Village of Caledonia Stormwater Commission to provide update on Keep Our Waters Clean project.</p> <p><u>WIDNR Grant</u> Met with Pete Wood and Andy Yench to discuss grant requirements. Met with Bill Sasse, Town of Mt. Pleasant, to sign as fiscal agent for WIDNR grant application. Coordinated with Andy Yench in collection of data for grant. Wrote and submitted grant application to WIDNR.</p>

Report, Southeast Wisconsin Clean Water Network, Keep Our Waters Clean project, December 9, 2009

Scope	Outcomes
<p>Meeting/Oversight</p>	<p><u>Meetings of S.E. WI Clean Water Network</u> Organized and attended two meetings of the S.E. WI Clean Water Network. Attended two meetings of the Household Survey Committee</p> <p><u>Rain Garden Initiative</u> Organized, attended and led ten Rain Garden Advisory Committee meetings. Cathy Schwalbach, stormwater engineer for City of New Berlin joined the committee, representing the S.E. WI Clean Water Network. Met with Nehemiah Project Committee to plan workshop for its urban garden group.</p> <p><u>S.E. Wisconsin Watersheds Trust (Sweet Water Trust)</u> Joined the Policy Committee and attended five meetings to explore watershed-based planning and water quality trading.</p> <p><u>Network for Eco-Conservation Online, University of Michigan, funded by Great Lakes Protection Fund</u> Root-Pike WIN was selected to participate as a team member in a project that will create web-based mapping of BMPs throughout the great lakes. We have participated in a conference calls, email communications and received training for mapping the 61 rain gardens funded by the Rain Garden Initiative.</p>
<p>Advertisements</p> <ul style="list-style-type: none"> • PSAs—Root-Pike WIN will create and place public service announcements. • Root-Pike WIN will write and distribute newsletter stories quarterly for municipal newsletters. • Electronic newsletter —Root-Pike WIN will gather email addresses and create and send an electronic newsletter quarterly. 	<p><u>PSAs</u> None</p> <p><u>Newsletter Stories</u></p> <ul style="list-style-type: none"> • Wrote and published story about Keep Our Waters Clean for <i>Watershed Connections</i>, Root-Pike WIN Newsletter • Wrote story for Pleasant Prairie that was published in the 2010 calendar <p><u>Electronic Newsletters</u> Wrote and mass emailed three E-newsletters in February, March and April announcing rain garden program</p>

Scope	Outcomes
<p>Publicity</p> <ul style="list-style-type: none"> • Radio interviews—Root-Pike WIN will contact news directors at radio stations to pitch two interviews. • News releases—Root-Pike WIN will write and distribute news releases each quarter and follow-up to pitch stories. 	<p><u>Radio Interview</u> WRJN on Keep Our Waters Clean project and rain gardens</p> <p><u>Guest Article</u> Wrote and submitted an article that was published in the Racine Journal Times</p> <p><u>News Releases</u></p> <ul style="list-style-type: none"> • Sent backgrounder to reporter David Stienkraus, Racine Journal Times after he contacted me • Announced rain garden workshops and sent to Community Newspapers for Hales Corners, New Berlin, Franklin, Oak Creek, Milwaukee Journal Sentinel, Racine Journal times, Kenosha News <p><u>Pitched stories</u> Sent email to Kathleen Gallagher to pitch story about upcoming rain garden workshops</p> <p><u>Other Publicity</u> Interviewed by Kate Morgan, 1000 Friends of Wisconsin, on Keep Our Waters Clean project and rain garden program for a brochure that was published by 1000 Friends on storm water BMPs.</p>
<p>Presentations</p> <p>Root-Pike WIN will give 10 presentations over 2 years to service groups, student groups and other groups, and will create a PowerPoint presentation and handouts</p>	<p><u>Presentations</u></p> <ul style="list-style-type: none"> • Claus Dunkelberg, P.E., water industries specialist for the Milwaukee 7 Water Council and Tom Schnaubelt, UW-Parkside Center for Community Outreach, Kenosha • Hoy Audubon, Racine • AAUW, Racine
<p>Publications</p> <p>Root-Pike Win will write, design, print and distribute to municipalities a counter brochure and bill stuffer.</p>	<p><u>Counter Materials</u></p> <p>Designed and printed counter posters and handouts to promote rain gardens and workshops and distributed to Caledonia, New Berlin, Hales Corners, Franklin, Oak Creek, Somers, Pleasant Prairie, UW-Parkside, Nehemiah Project office (City of Racine), D.P. Wigley (City of Racine), CEDAR/Southport Beach (City of Kenosha)</p>

Scope	Outcomes
<p>Exhibit Root-Pike WIN will purchase an exhibit and create signs for a portable exhibit that will be used at fairs and workshops and made available to municipalities.</p>	<p>We were not certain about the costs for the household survey and decided the funds for the exhibit could be reassigned to cover the survey costs, particularly the cost of printing the survey document and possibly covering some postage costs.</p> <p>Root-Pike WIN has a large tabletop exhibit. We decided to use the exhibit in and the rain garden artwork in 2009. In 2010 we plan to design new artwork but continue using Root-Pike WIN's exhibit. We set-up the exhibit at the Hales Corners Public Library and at each of the workshops and fairs.</p>
<p>Workshops & Fairs Root-Pike WIN will host and participate in at least four workshops and fairs over 2 years.</p>	<p><u>Rain Garden Workshops</u> Provided seven workshops attended by over 200 people in: New Berlin, Hales Corners, Franklin, Racine (2), Kenosha (2) and Bristol.</p> <p><u>Fairs</u></p> <ul style="list-style-type: none"> • Spring Into Gardening, Paddock Lake • Eco Fair, Holy Communion Church, Racine • Gateway Technical College Earth Day Fair, Kenosha • Snap-On Tool employee Eco Fair, Kenosha • Open House UW-Parkside CEDAR, Kenosha • Pringle Nature Center Fall Fest, Bristol • Environmental Health Fair, Racine Youth Offenders Facility, Racine
<p>Tours Root-Pike WIN will plan four tours over 2 years that focus on rain gardens, shoreline restoration, conservation developments, and other stormwater management topics.</p>	<p>We did not offer public tours in 2009, but plan to do so in 2010.</p>
<p>Written Progress Reports Root-Pike WIN will submit a written report twice a year describing progress of project.</p>	<p>We are submitting one report for 2009.</p>
<p>Project Evaluation Root-Pike WIN will develop a evaluation instruments to gather input about the Keep Our Waters Clean project from public participants and members of the Southeast Wisconsin Clean Water Network for the purpose of improving the program and increasing its effectiveness.</p>	<p><u>Workshop Evaluations, Rain Garden Workshops</u></p> <ul style="list-style-type: none"> • At the end of each rain garden workshop we asked participants to evaluate the presentations and to recommend changes. <p><u>Program Evaluation</u></p> <ul style="list-style-type: none"> • UW-Extension developed an E-survey that Root-Pike WIN distributed to all rain garden participants