



2010

**Village of Caledonia
NR 216 Annual Report**

March 31, 2011

This report is submitted by the Village of Caledonia in compliance with the provisions of WPDES Permit No. WI-S050059-2 by the co-permittees of the Root River Group comprised of the City of Racine, City of New Berlin, City of Franklin, Village of Greendale, Village of Hales Corners, Village of Mount Pleasant and the Village of Caledonia.



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 2010.

Due by March 31, 2011

SECTION I. Municipal Information			
Name of Municipality Village of Caledonia		Facility ID No. (FIN) 31160	
Mailing Address 6922 Nicholson Road	City Caledonia	State WI	Postal Code 53108
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 Anthony A. Bunkelman E.I.T.		Title Assistant Village Engineer / Drainage District Engineer	
Mailing Address 6922 Nicholson Road	City Caledonia	State WI	Postal Code 53108
E-mail Address abunkelman@caledoniawi.com	Telephone No. (including area code) 262-835-6416	Fax No. (including area code) 262-835-2388	
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 Anthony A. Bunkelman E.I.T.		Authorized Representative Title Assistant Village Engineer / Drainage District Engineer	
Authorized Representative Signature		Date Signed	
E-mail Address abunkelman@caledoniawi.com	Telephone No. (including area code) 262-835-6416	Fax No. (including area code) 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 for 2011 and 2012.

- 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 information on its Storm Water Management Program on its website.

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

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

Annual Report 2009 -

<http://www.caledoniawi.com/Village%20of%20Caledonia%20MS4%202009%20Annual%20Report%20.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 also entered into a contract with Root Pike WIN for handling the Public Education & Outreach. Appendix I outlines what the group's activities included in 2010 and what's proposed for 2011 and 2012.

- 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

The Village continues to follow its Illicit Discharge Detection and Elimination program as outlined in the MS4 permit. Illicit Discharge Detection and Elimination inspections were conducted in 2010. The results of the inspections are included in Appendix II.

- 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 2010 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 concluded 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 WinSLAMM Version 9.4 Reduction (%) 77.51

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 2010. 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 2010, and the budget for 2010 and 2011.

Village of Caledonia	2010 Budget	2010 Expenditures	2011 Budget
Storm Water Management Plan	\$ 23,000.00	\$ 2,000.00	\$ -
Storm Water Permit	\$ 4,000.00	\$ 3,000.00	\$ 4,000.00
SLAMM Analysis	\$ 20,000.00	\$ 21,639.90	\$ 5,000.00
Facilities Inspection	\$ 12,500.00	\$ 1,020.76	\$ 12,500.00
Outreach Involvement	\$ 2,205.00	\$ 2,205.00	\$ 2,300.00
Household Hazardous Waste	\$ 11,000.00	\$ -	\$ -
Totals	\$ 72,705.00	\$ 29,865.66	\$ 23,800.00

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.

15 new erosion control permits were issued in 2010. 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/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:

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 in the 2010 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 2010 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 & Outreach Program

Six Month Report, Keep Our Waters Clean
Submitted by Root-Pike Watershed Initiative Network
1/1/10-06/30/10

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>Results were reported on April 27, 2010 to the S.E. WI Clean Water Network at a meeting held at the WIDNR offices in Sturtevant, WI. Results are also posted on the “Keep Our Waters Clean” area of the Root-Pike WIN website.</p> <p>A new outreach campaign was presented at the April 27 meeting and approved for implementation to begin Summer, 2010.</p>
<p>Web Root-Pike WIN will plan, design, create and maintain a website for the Southeast Wisconsin Clean Water Network.</p>	<p>At the April 27 meeting, members indicated they preferred that the “Keep Our Waters Clean” project be incorporated into Root-Pike WIN’s new website rather than have a separate website and domain. Susan Greenfield and a web consultant designed a new website. In May, Root-Pike WIN launched the website that includes a dedicated area for “Keep Our Waters Clean.” All of the municipalities are linked to the “Keep Our Waters Clean” area.</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 City of Racine Parks Department (Donnie Snow) and Health Department (Julie Kinzelman) to identify potential municipal sites for rain gardens.</p> <p>Met with City of Franklin Engineering and Environmental Committee to identify potential municipal sites for rain gardens. Provided workshop for public works employees and supervisors on how to build a rain garden. Provided</p>

Report, Southeast Wisconsin Clean Water Network, Keep Our Waters Clean project, January 1-June 30, 2010

	consulting during construction and planting. Met with city of Kenosha Engineering Department (Shelly Billingsley) and Parks (Catherine Mantuano) to discuss possible neighborhood rain garden project associated with a recently funded storm sewer outfall project.
Scope	Outcomes
Meeting/Oversight	<p><u>Meetings of S.E. WI Clean Water Network</u> Organized and attended a meeting on April 27, 2010 at WIDNR offices in Sturtevant, WI.</p> <p><u>Rain Garden Initiative</u> Organized, attended and led five Rain Garden Advisory Committee meetings. Cathy Schwalbach, stormwater engineer for City of New Berlin and Catherine Mantuano, City of Kenosha Parks Department are municipal members of the committee.</p> <p><u>S.E. Wisconsin Watersheds Trust (Sweet Water Trust)</u> In April, 2010 Susan Greenfield was appointed to the Steering Council of Sweet Water Trust.</p>
<p>Advertisements (paid advertising)</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>At the April 27, 2010 meeting the SE WI Clean Water Network group agreed to move ahead with a summer advertising campaign that would feature paid radio spots and website advertising.</p> <p><u>Radio Spots:</u> created two radio spots, “Save the pike, plant a tree” and Plant a rain garden, save the fish” targeted to males 35 years and older (yard care target market) and placed at the following radio stations for a total of 318 airings in June and July: WISN-AM, WRIT-FM, IRIT-FM, IISN-AM.</p> <p><u>WITI-TV (Milwaukee) website:</u> Planned and oversaw creation of ads for website:</p> <ul style="list-style-type: none"> • Display ad on the “Best Gardens” U-Local photo page • Posted rain garden funded by Root-Pike WIN • Best Bets blurb and logo (ROS, June-august) • Leaderboard ad with video content • Ad impressions in June: 75,000 guaranteed ad impressions • Ad impressions in July and August: 150,000 total guaranteed ROS ad impressions <p><u>E-newsletters and Announcements:</u> sent in February, April announcing rain garden program and special workshop for professional landscapers.</p>

Scope	Outcomes
<p>Publicity (earned advertising)</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>Television interview, WISN TV (channel 12)</u> Susan Greenfield was interviewed by Sally Severson about rain gardens. The interview aired on June 13, 2010 during the 10 p.m. news.</p> <p><u>Radio Interview (WRJN)</u> WRJN interview with Paul Kern, on May 19, 2010 on Keep Our Waters Clean project and rain gardens</p> <p><u>News Releases</u></p> <ul style="list-style-type: none"> • Emailed news releases on 1/22/10, 3/28/10, 5/19/10 announcing upcoming rain garden workshops to Community Newspapers for Hales Corners, New Berlin, Franklin, Oak Creek, Milwaukee Journal Sentinel, Racine Journal Times, Kenosha News • Emailed new release announcing grant awards to Hales Corners Environmental Committee, UW-Parkside Center for Community Partnerships and Caledonia Conservancy. Ron Romeis of City of Franklin engineering was applicant for a grant to mark storm sewers. <p><u>Other Publicity</u> City of Franklin rain garden workshop announced in Spring (March) issue of the Franklin Newsletter.</p> <p>Root-Pike WIN and “Keep Our Waters Clean!” featured in first issue of Sweet Water newsletter, RIVERSREPORT, Spring 2010.</p>
<p>Presentations 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> <p>.</p>

<p>Publications Root-Pike Win will write, design, print and distribute to municipalities a counter brochure and bill stuffer.</p>	<p><u>Counter Materials</u> Designed and printed counter posters and handouts to promote rain gardens and workshops and in April 2010 distributed to Kenosha Public Library, Kenosha City Hall, Salem Town Hall, Salem Community Library, Bristol Town Hall, Pringle Nature Center, Silver Lake Village Hall, Pleasant Prairie Village Hall, Franklin City Hall, Franklin Public Library, Greendale City Hall, Greendale Public Library, Caledonia Community Center, Caledonia Village Hall, Mt. Pleasant Village Hall, New Berlin City Hall, New Berlin Public Library, Hales Corners Village Hall, Hales Corners Public Library, UW-Extension offices (Racine, Kenosha), D.P. Wigley (City of Racine),</p>
<p>Scope</p>	<p>Outcomes</p>
<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>Root-Pike WIN used its existing tabletop exhibit and artwork for environmental fairs (listed below). We set-up the exhibit at the City of Franklin Public Library for the months of May, June and part of July. We held a rain garden workshop at the library on June 5, 2010 and funded rain gardens at the library and the historical society. .</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> Held four workshops in Racine, Kenosha, Franklin and Hales Corners and attended by 145 people.</p> <p><u>Workshops</u></p> <ul style="list-style-type: none"> • Landscapers Rain Garden Construction Workshop, Boerner Botanical, Hales Corners, February 26, 2010 • Rain Garden workshop, Gateway Technical College, Racine, April 10, 2010 • Rain Garden workshop, Gateway Technical College, Kenosha, April 24, 2010 • Hands-on Rain Garden /workshop, Franklin Public Library, June 5, 2010 <p><u>Fairs</u></p> <ul style="list-style-type: none"> • Eco Fair, Gateway Technical College, Racine, sponsored by Leadership Racine • Environmental Fair, City of Franklin Public Library, April 21, 2010 • Gateway Technical College, Kenosha, Earth Day Fair, April 24, 2010

<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>Two tours planned for 2010:</p> <ul style="list-style-type: none"> • Sept. 9, 2010—Guided tour of selected rain gardens for members of the S.E. WI clean Water Network • Sept. 11, 2010—Public tour of rain gardens in the watershed
<p>Written Progress Reports Root-Pike WIN will submit a written report twice a year describing progress of project.</p>	<p>We are submitting two reports for 2010: January 1-June 30—submitted in July July 1-December 31—submitted in January 2011.</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>We will provide a summary of the workshop and program evaluation in the December 2010 report.</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 <p><u>Rain Garden Monitoring</u></p> <ul style="list-style-type: none"> • Each rain garden is visited and evaluated once a year for three years to determine if the garden is capturing, holding and infiltrating rainwater. Root-Pike WIN recommends corrective actions, where necessary. Fifty-five sites will be visited and evaluated in 2010.

Six Month Report, Keep Our Waters Clean
Submitted by Root-Pike Watershed Initiative Network
July 1-December 31, 2010

<p style="text-align: center;">Scope</p>	<p style="text-align: center;">Outcomes July 1-December 31, 2010</p>
<p>Household Survey</p>	<p>Survey completed and results posted on website. Media campaign planned and implemented in summer 2010. Results were used to plan summer media campaign.</p>
<p>Website Root-Pike WIN will plan, design, create and maintain a website for the Southeast Wisconsin Clean Water Network.</p>	<p>New website completed and Keep Our Waters Clean section incorporated in Root-Pike WIN's website at www.rootpikewin.org/index.php/keep-our-waters-clean-project.html</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>No meetings of the Advisory Committee were held July 1-December 31, 2010. A full meeting of the SE WI Clean Water Network was held December 20, 2010 at WI DNR office in Sturtevant.</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>No meetings of the Advisory Committee were held July 1-December 31, 2010. A full meeting of the SE WI Clean Water Network was held December 20, 2010 at WI DNR office in Sturtevant. A bus tour of rain gardens was held for the group on September 9, 2010.</p>
<p>Advertisements (paid advertising)</p>	<p>At the April 27, 2010 meeting the SE WI Clean Water Network group agreed to move ahead with a summer advertising campaign that would feature paid radio spots and website advertising.</p> <p>Root-Pike WIN coordinated the media campaign through end of July. See previous report for full report of outcomes, January 1-June 30, 2010.</p>

Scope	Outcomes July 1-December 31, 2010
<p>Publicity (earned advertising)</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>News Releases</u></p> <p>On July 20, 2010 submitted news release on funded rain gardens and stories published in Kenosha News on July 30, 2010</p> <p>September 3, 2010 submitted news release on rain garden tour and stories featured in Racine Journal Times (Sept. 9 and Sept. 10, 2010) and Kenosha News (Sept.5, 2010)</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>Conference Presentation</u></p> <p>September 15, 2010--Susan Greenfield gave a presentation on the Rain Garden Initiative at the Clean Rivers Clean Lakes Conference in Wauwatosa and hosted by S.E. Wisconsin Watersheds Trust. Over 100 people attended the conference and approximately 60 people attended presentation.</p>
<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>In July-August materials developed and distributed to municipalities for public Rain Garden Tour, held September 11, to include:</p> <ul style="list-style-type: none"> • Rain Garden Tour booklet • Poster • Yard signs
<p>Exhibit</p> <p>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>Exhibit set up at Franklin Public Library during June and July.</p>
<p>Workshops & Fairs</p> <p>Root-Pike WIN will host and participate in at least four workshops and fairs over 2 years.</p>	<p>Did not participate during this period.</p>
<p>Tours</p> <p>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>	<ul style="list-style-type: none"> • Sept. 9, 2010—Guided tour of selected rain gardens for members of the S.E. WI clean Water Network • Sept. 11, 2010—Public tour of rain gardens in the watershed
<p>Written Progress Reports</p> <p>Root-Pike WIN will submit a written report twice a year describing progress of project.</p>	<p>Two reports submitted in 2010: January 1-June 30—submitted in July July 1-December 31—submitted in February 2011.</p>

Scope	Outcomes July 1-December 31, 2010
<p>Project Evaluation Root-Pike WIN will develop an 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>UW-Extension developed a web-based survey and invited members of the Clean Water Network to complete it. Results of the survey were distributed and discussed at the December 20, 2010 meeting.</p> <p>The 2011-2012 Keep Our Waters Clean project was modified to reflect the outcomes. For example, the project will focus on a broader number of actions homeowners can take to help reduce runoff pollution. Instead of offering a “How to Build a Rain Garden” workshop, Root-Pike WIN will offer “Greening Up Your Yard” workshops. The new workshops will feature rain barrels, composting, natural landscaping and rain gardens, and will also discuss practices such as managing pet and yard waste, and the use of yard care chemicals. People who want a rain garden grant will be required to attend the rain garden portion of the presentation</p>

Proposal

Keep Our Waters Clean!

A Public Education & Outreach Project for the
Southeast Wisconsin Clean Water Network

Revised January 7, 2011



Submitted By:
Root-Pike Watershed Initiative Network
www.rootpikewin.org

Background of Keep Our Waters Clean Project

The Southeast Wisconsin Clean Water Network was formed in 2009 through an Intergovernmental Agreement entered into by 17 municipalities and the University of Wisconsin-Parkside to collectively fund a public education and outreach program that would meet the requirements of their NR 216 permits. Root-Pike Watershed Initiative Network was selected as the contractor because of its watershed focus and experience with public outreach. An advisory committee was formed and a subgroup of that organization decided to focus on the following requirements for the Household Survey and Outreach Program during the first two years (2009, 2010) of the project.

- Inform and educate public about the proper management of materials that may cause storm water pollution from sources including automobiles, pet waste, household hazardous waste and household practices.
- Promote beneficial onsite reuse of leaves and grass clippings and proper use of lawn and garden fertilizers and pesticides.
- Promote infiltration of residential storm water runoff from rooftop downspouts, driveways and sidewalks.



The advisory subgroup and Mr. Pete Wood of Wisconsin Department of Natural Resources determined the Keep Our Waters Clean project would address the following requirements in future years:

- Promote detection and elimination of illicit discharges and water quality impacts associated from such discharges from municipal separate storm sewer systems. Promote management of streambanks and shorelines by riparian landowners to minimize erosion and restore and enhance ecological value of waterways
- Inform and where appropriate educate those responsible for the design, installation, and maintenance of construction site erosion control practices and storm water management facilities on how to design, install and maintain the practices.
- Identify businesses and activities that may pose a storm water containment concern and where appropriate, educate specific audiences on methods of storm water pollution prevention.
- Provide environmentally sensitive land development designs to developers and designers.

Purpose of the Project

The purpose of the 2-year public outreach, education and public participation project, *Keep Our Waters Clean*, is to assist 17 municipal and the University of Wisconsin-Parkside, who are all members of the Southeast Wisconsin Clean Water Network, in fulfilling the Information and Education requirements of their State of Wisconsin issued stormwater discharge permits (Wis. Admin. Code, Chapter NR 216).

Runoff into streets and nutrients in stormwater runoff have been identified as major threats to the health of local ecosystems, including the Root River, Pike River and Creek, Des Plaines River, S.E. Fox River and near shore Lake Michigan. According to EPA, polluted runoff contributes 90 percent of pollution in our streams, rivers and lakes. Some behaviors contributing to stormwater runoff and nutrient oversupply include: lack of permeable land surfaces, over-



Robin Latus, Hales Corners, 120 sq. ft., built 2009

fertilization of lawns and yard waste raked into streets. Also contributing are car washing, where soapy water drains to storm drains and streams, and poor dog walking practices, where owners neglect to pick up after their dogs. During the next two years the Keep Our Waters Clean project will target common behaviors considered to be sources of stormwater pollution, with a focus on stormwater runoff, over-use of lawn fertilizer, poor management of yard waste, car washing and poor dog walking practices.

Members of Southeast Wisconsin Clean Water Network

County of Kenosha
City of Franklin
City of Kenosha
City of New Berlin
City of Oak Creek
City of Racine
Village of Bristol
Village of Caledonia
Village of Greendale

Village of Hales Corners
Village of Mt. Pleasant
Village of Pleasant Prairie
Village of Silver Lake
Village of Sturtevant
Village Wind Point
Town of Salem
Town of Somers
University of Wisconsin-Parkside

Long Term Goals

The goals of this Information and Education plan come from the requirements of the NR 216 permit and focus on improving urban storm water quality. According to EPA goals are broad ideas that may take a very long time to achieve. The goals of this plan are to increase awareness and understanding of the problems and promote the adoption of new behaviors that will ultimately achieve the following:

- Improve quality and reduce quantity of storm water runoff from existing urban areas to meet or exceed state and local standards.
- Improve quality and reduce quantity of storm water runoff from all new development and redevelopment to meet or exceed state and local standards.

Creating change in people's knowledge, attitudes and behaviors is a long-term process and requires a long-term commitment from its sponsors, according to EPA. Simply providing information rarely results in behavior change. Instead, the focus should be on identifying and removing barriers to the desired behavior.

Tracking Progress and Effectiveness

EPA defines measurable goals as quantifiable benchmarks that track progress and effectiveness of stormwater best management practices.

- Audiences will understand where storm sewers, ditches and swales drain and will not dump material in them
- Water quality will improve (i.e. City of Racine Health Department, SEWRPC)
- Number of new site plans that incorporate low-impact development practices
- Number of municipal demonstration sites of Stormwater BMPs
- Number of citizens/students participating in stream monitoring
- Number of new developments that meet construction erosion control
- Number of people who attend workshops, presentations, conferences
- Square feet of land converted to rain gardens
- Gallons of water held back with rain gardens, rain barrels and other green infrastructure
- Number of rain barrels installed
- Number of hits on website
- Number of households reached with each mailing
- Number of people exposed to newspaper, television and radio news stories and advertising messages.

Audience, Message & Communication Tools

In November 2009 Root-Pike WIN in partnership with UW-Extension distributed a household survey to a sample of residents selected from data supplied by member municipalities.

Target Audience

The average age of respondents in the household survey was 54 with the majority 40-60 years. A large number of our respondents (79%) said they do not use a professional lawn service. The majority (82%) had never used a rain garden and 41% had never heard of a rain garden. As a result of responses to the survey, it was decided that the Keep Our Waters Clean campaign would target male homeowners 5-64 in our geographic area who cut their own grass and tend to their lawns and outside maintenance, wash cars and walk dogs.

Message

Survey respondents said that discharges from sewerage treatment plants was a severe problem causing pollution in our waterways. This misperception is probably due to the large amount of media publicity our local news media devotes to this topic. Our messages need to focus on the primary cause of pollution of our waters--stormwater runoff-- and the behavior/ actions of individuals that contribute to it, and new practices they can adopt to reduce the problem. The messages should reinforce the connection between storm drains and local waterways as well as inform the public that Lake Michigan is the drinking supply of many southeastern Wisconsin communities. Specifically, the messages will tell people not to allow rainfall to runoff their yard and to use rain gardens and rain barrels instead to capture rain; not to over fertilize and to follow fertilizer label instructions, not to rake yard waste into the street and compost instead; and to pick up after their dogs.

Advertising

Over half of the survey respondents said they heard about local water quality problems from newsletters (61%) and newspapers and magazines (60%). According to research by the Center for Watershed Protection, radio is the most cost-effective choice (versus television or newspapers) for reaching our target audience during drive time and at home or at work. The Center found that messages sent by television, radio and local newspapers are consistently more influential in reaching residents than any other technique. In contrast, messages transmitted through meetings, brochures, local cable and videos are recalled by a very small segment of the watershed population.

In the summer of 2010 we purchased radio spots on two Milwaukee radio stations and advertising on the Channel 12 website. During the next two year project, we would like to reach more people in our target audience and have a greater impact with our messages. This will require more frequent messages aired for a longer period of time on more stations, which will be more costly than our previous campaign. We plan to collaborate with the S.E. Wisconsin Watersheds Trust (Sweet Water) to combine our financial resources for a stronger campaign. We have been meeting with Sweet Water's communications committee for several months to prepare an effective plan. The committee includes several advertising and public relations professionals who serve as advisors. We plan to complete the plan in time to present it for review at the March meeting of the S.E. WI Clean Water Network.

Audience, Message & Communication Tools (continued)



Photo credit: EPA

Media Publicity

In the 2011-2012 project we will also make use of “earned publicity” to include newspaper publicity and radio interviews and will contact news directors at radio stations to pitch interviews. We will also send news releases on topics related to stormwater runoff and work with municipalities to gain media publicity for their efforts (storm drain marking, rain gardens, rain barrels, river clean-up).

Municipal Newsletters

Root-Pike WIN will provide announcements for the following topics for municipal newsletters and websites:

Spring (submitted in January for Spring newsletter and posting on website)

- New release announcing workshops for *rain gardens, composting, rain barrels*

- Article on role of *rain barrels* to reduce runoff, where to purchase, how to hook-up and maintain
- Article on *protecting storm drains*: how to dispose of household chemicals to protect our waters
- Article on the role of ditches and swales for managing stormwater and protecting our streams, rivers and lakes

Summer (submitted in April for summer newsletters and for posting on website)

- Article on *yard care practices* that can protect our waters (composting, using lawn chemicals wisely, managing pet waste, and other yard care practices)
- Article on *car care* for cleaner water (use commercial car washes or wash on lawn where water soaks into lawn, repair leaks and other practices)

Fall (submitted in June for Fall newsletter and posting on websites)

- Article on fall yard care to protect our waters: managing leaves and fertilizing

Winter (submitted in August for Winter newsletter and posting on websites)

Reducing salt on driveways and sidewalks to protect our waters

Electronic Newsletter

Root-Pike WIN will begin sending a monthly electronic newsletter to municipal residents on the topic of improving water quality. People receiving the E-newsletter will have participated in the rain garden program, signed up for the E-Newsletter or been engaged in other Root-Pike WIN’s efforts. The S.E. WI Clean Water Network will be listed as the sponsor.

Website

Root-Pike WIN’s website now has a section featuring the Southeast Wisconsin Clean Water Network’s “Keep Our Waters Clean” project. We will continue to add new information.

Audience, Message & Communication Tools (continued)

Speakers Bureau

Root-Pike WIN will be available to give presentations about the Clean Water Network and stormwater runoff to service groups, student groups and other groups, and will create a PowerPoint presentation and handouts.

Exhibitions

Root-Pike WIN will participate in fairs and conferences as an exhibitor. Root-Pike WIN's tabletop exhibit will be updated with new artwork. When not in use by Root-Pike WIN, the exhibit will be made available to municipalities.

Project Schedule, 2011, 2012

January	Planning. Grant writing. Submit news release and articles for municipal newsletters and websites. Prepare counter materials. Send E-Newsletter. Report to fiscal agent.
February	Planning, Brochure, Distribute counter materials, Grant writing, Send E-newsletter.
March	Advertising placement (buy). Planning. Grant writing. News release (announce rain garden workshops), Rain garden workshops, Radio interviews, Meeting of SE WI Clean Water Network. Send E-Newsletter. Exhibit at fairs.
April	Advertising message preparation. Rain garden workshop. Rain garden site approvals. Send E-newsletter. News release (protect storm drains during spring clean). Submit news release and articles for municipal newsletters and websites. Exhibit at fairs.
May	Advertising Campaign, Rain garden workshop, Rain Garden site approvals, News release (yard care tips for clean water). Exhibit at fairs.
June	Advertising Campaign, Meeting of SE WI Clean Water Network, Rain Garden Plant Delivery/Distribution, Rain garden monitoring, Send E-newsletter, Municipal newsletters (for Fall Newsletters leaf management announcement).
July	Advertising Campaign, Report to fiscal agent, Rain Garden Monitoring, Sign order for rain gardens. Submit news release and articles for municipal newsletters and websites. Send E-Newsletter.
August	Rain Garden Monitoring, E-newsletter, Send E-Newsletter
September	Advertising Campaign, News release (yard care tips for leaf management) Meeting of SE WI Clean Water Network . Rain garden monitoring, Municipal newsletters (for Winter Newsletters driveway and sidewalk salt announcement). Send E-Newsletter. Send cost share notice to municipalities.
October	E-newsletter. Grant writing
November	Program evaluation, Report to SE WI Clean Water Network (fiscal agent). Grant writing. E-Newsletter.
December	E-newsletter, Report to funders, Grant writing, Planning, News release (yard care tips for reducing salt on driveways, sidewalks)

Program for Members of the S.E. Wisconsin Clean Water Network

Meetings

Members will meet four times a year. A schedule to meet every three months on the third Thursday beginning in March (March, June, September, December) will be submitted for approval at the December 2010 meeting. Each meeting will consist of a presentation on a topic of interest to the members. In addition, members will receive an update on the Keep Our Waters Clean project.

The March 2011 presentation will feature an expert on *agricultural runoff*, possibly from NRCS, to explain the programs and activities underway intended to reduce the impact.



Training session for City of Franklin public works employees prior their excavation of a rain garden, June 2010.

Special Presentations/Tour

One of more additional meeting will be offered to address an area of interest identified by the group. Members will be asked in a short web survey to recommend topic areas for the regular meetings and the special presentations.

- Possibilities: UW-Parkside has expressed interest in green roofs as a demonstration project
- A presentation by an expert who will discuss the causes and remedies for green algae blooms on Lake Michigan shorelines (Wind Point concern)

Fiscal Agent

The Village of Bristol has agreed to be the fiscal agent for the two-year project.

- Municipalities entered into an Intergovernmental Agreement in 2009 in which they agreed to have the Village of Bristol as their fiscal agent.
- Root-Pike WIN will enter into a contract with the Village of Bristol to carry out the Keep Our Waters Clean project
- Root-Pike WIN will submit a written report twice a year to the Village of Bristol describing progress of the project and listing expenditures. For the media advertising the report will include information on audience reach.

Project Evaluation

Members will be surveyed in November of each year for the purpose of improving the program and increasing its effectiveness.

Keep Our Waters Clean!
Two-Year Cost Share
2011-2012

INCOME			
Municipality	Cost Share Jan. 1, 2011 to Dec. 31, 2011	Cost Share Jan. 1, 2012- Dec. 31, 2012	TOTAL
Town of Bristol	\$854	\$854.	\$1,708
City of Kenosha	\$3,418	\$3,418	\$6,836
County of Kenosha	\$854	\$854	\$1,708
Village of Pleasant Prairie	\$1,709	\$1709	\$3,418
Town of Salem	\$1,709	\$1,709	\$3,418
Village of Silver Lake	\$854	\$854	\$1,708
Town of Somers	\$854	\$854	\$1,708
City of Franklin	\$3,390	\$3,390	\$6,780
Village of Greendale	\$2,260	\$2,260	\$4,520
Village of Hales Corners	\$2,260	\$2,260	\$4,520
City of Oak Creek	\$3,390	\$3,390	\$6,780
Village of Caledonia	\$2,260	\$2,260	\$4,520
Village of Mt. Pleasant	\$3,390	\$3,390	\$6,780
City of Racine	\$4,520	\$4,520	\$9,040
Village of Sturtevant	\$1,709	\$1,709	\$3,418
Village of Wind Point	\$854	\$854	\$1,708
City of New Berlin	\$3,390	\$3,390	\$6,780
University of Wisconsin-Parkside	\$551	\$551	\$1,102
TOTAL INCOME * 5 % increase	\$38,226	\$38,226	\$76,452

* Per the Intergovernmental Agreement signed in 2009, after 2010 municipal cost share will be subject to an annual increase not to exceed 5 percent.

Keep Our Waters Clean!
Two-Year Budget
2011-2012

EXPENSES	1/01/11-12/31/11	1/01/12-12/31/12	TOTAL
Admin/Management	\$7,444	\$7,444	\$14,888
Staff/Consultant	\$12,500	\$12,500	\$25,000
Insurance	\$600	\$600	\$1,200
Postage (not bulk mail)	\$150	\$150	\$300
Mileage, Bus Rental	\$1,000	\$1,000	\$2,000
Website, Phone	\$350	\$350	\$700
Paid Advertising (radio, billboards, etc.)	\$10,000	\$10,000	\$20,000
Exhibit Artwork	\$600	\$600	\$1,200
Printing, Copying handouts, brochures	\$3,000	\$3,000	\$6,000
Office Supplies & Equipment	\$700	\$700	\$1,400
Office Rent	\$500	\$500	\$1,000
Facilities, Food	\$500	\$500	\$1,000
Contingency	\$882	\$882	\$1,764
TOTAL EXPENSES	\$38,226	38,226	\$76,452

Other Funders (to date)

Funder	Amount	Geographic Area	Spending Restriction
S.E. Wisconsin Watersheds Trust	\$700	Milwaukee County	Plants, mulch, sign,
Freshwater Future	\$5,000	Kenosha Pennoyer Beach Neighborhood	Plants, mulch, signs, consultant monitors
Networked Neighbors, Michigan State University	\$9,000	Watershed-wide	Plants, mulch, signs, consultant monitors, advertising
Racine Community Foundation	\$2,000	Watershed-wide	Printing of brochures
Pending Grant applications	\$30,000	Watershed-wide	Plants, mulch, signs, consultant monitors
S.E. Wisconsin Watersheds Trust	Pending	Watershed-wide, Bristol, Silver Lake	Advertising (radio, billboards, etc.)
TOTAL (to date)	\$46,700		

Appendix II
Illicit Discharge Inspection Results

Memorandum



To:	TONY BUNKELMAN	PROJECT:	ILLICIT DISCHARGE INSPECTIONS	DATE:	10/4/2010
FROM:	JOEL BRIESKE	CLIENT:	VILLAGE OF CALEDONIA		
RE:	ILLICIT DISCHARGE INSPECTIONS RESULTS			FILE No:	89910001

12075 Corporate Pkwy
Suite 200
Mequon, WI 53092

Tel 262-241-4466
Fax 262-241-4901

www.bonestroo.com

Remarks:

Illicit Discharge Inspections were completed on September 30, 2010 in the Village of Caledonia at 17 locations currently designated as major outfalls. Following WI DNR requirements, the field screenings were completed at least 72 hours after a measurable rain fall. The last recorded rainfall before the inspections was more than 7 days, as provided by the National Weather Service.

A field data sheet was filled out and a photo taken of each outfall location. Results of the inspections found that no sign of illicit discharge was present at any location. Several locations were found to have standing water that was above the level of the bottom of the pipe and were considered to be at their low-water mark. These included HOC-06-01, HOC-09-11, HOC-09-17, WP-05-53, WP-05-65, WP-05-83, and WP-09-10. While two locations, WP-06-11 and WP-07-20, were observed to have a slow trickle of water with no signs of illicit discharges. These can be most likely attributed to residential sump pumps or lawn watering.



Village of Caledonia
Root River Group
WPDES Permit No. WI-S050059-1



Outfall ID: HOC-04-07

Date Inspected: 9-30-10

Date of Last Rainfall (must be at least 72 hrs after any 0.1" rainfall): More than 7 days

Amount of Last Rainfall: Trace

Rainfall Source: National Weather Service Milwaukee/Sullivan, WI

Any Sign of Illicit Discharge (if yes, complete information below) : NO

Water Depth (ft) (from water surface to bottom of pipe or thalweg):

Flow Velocity (ft/sec) :

Ambient Temperature (F°) :

Water Temperature (F°) :

PH:

Water Color:

Turbidity (visual) :

Surface Sheen:

Odor:

Photo(s) Taken: Yes

Additional Comments/Observations:

Name of Inspector: Joel Brieske

Signature of Inspector:



Village of Caledonia
Root River Group
WPDES Permit No. WI-S050059-1



Outfall ID: HOC-06-01

Date Inspected: 9-30-10

Date of Last Rainfall (must be at least 72 hrs after any 0.1" rainfall): More than 7 days.

Amount of Last Rainfall: Trace

Rainfall Source: National Weather Service Milwaukee/Sullivan, WI

Any Sign of Illicit Discharge (if yes, complete information below) : NO

Water Depth (ft) (from water surface to bottom of pipe or thalweg):

Flow Velocity (ft/sec) :

Ambient Temperature (F°) :

Water Temperature (F°) :

PH:

Water Color:

Turbidity (visual) :

Surface Sheen:

Odor:

Photo(s) Taken: Yes

Additional Comments/Observations:

Standing water, no signs of illicit discharge.

Name of Inspector: Joel Brieske

Signature of Inspector: *Joel Brieske*



Village of Caledonia
Root River Group
WPDES Permit No. WI-S050059-1



Outfall ID: HOC-09-11

Date Inspected: 9-30-10

Date of Last Rainfall (must be at least 72 hrs after any 0.1" rainfall): More than 7 days

Amount of Last Rainfall: Trace

Rainfall Source: National Weather Service Milwaukee/Sullivan, WI

Any Sign of Illicit Discharge (if yes, complete information below) : NO

Water Depth (ft) (from water surface to bottom of pipe or thalweg):

Flow Velocity (ft/sec) :

Ambient Temperature (F°) :

Water Temperature (F°) :

PH:

Water Color:

Turbidity (visual) :

Surface Sheen:

Odor:

Photo(s) Taken: Yes

Additional Comments/Observations:

Standing water, no signs of illicit discharge.

Name of Inspector: Joel Brieske

Signature of Inspector:



Village of Caledonia
Root River Group
WPDES Permit No. WI-S050059-1



Outfall ID: HOC-09-14

Date Inspected: 9-30-10

Date of Last Rainfall (must be at least 72 hrs after any 0.1" rainfall): More than 7 days

Amount of Last Rainfall: Trace

Rainfall Source: National Weather Service Milwaukee/Sullivan, WI

Any Sign of Illicit Discharge (if yes, complete information below) : NO

Water Depth (ft) (from water surface to bottom of pipe or thalweg):

Flow Velocity (ft/sec) :

Ambient Temperature (F°) :

Water Temperature (F°) :

PH:

Water Color:

Turbidity (visual) :

Surface Sheen:

Odor:

Photo(s) Taken: Yes

Additional Comments/Observations:

Name of Inspector: Joel Brieske

Signature of Inspector:



Village of Caledonia
Root River Group
WPDES Permit No. WI-S050059-1



Outfall ID: HOC-09-17

Date Inspected: 9-30-10

Date of Last Rainfall (must be at least 72 hrs after any 0.1" rainfall): More than 7 days

Amount of Last Rainfall: Trace

Rainfall Source: National Weather Service Milwaukee/Sullivan, WI

Any Sign of Illicit Discharge (if yes, complete information below) : NO

Water Depth (ft) (from water surface to bottom of pipe or thalweg):

Flow Velocity (ft/sec) :

Ambient Temperature (F°) :

Water Temperature (F°) :

PH:

Water Color:

Turbidity (visual) :

Surface Sheen:

Odor:

Photo(s) Taken: Yes

Additional Comments/Observations:

Standing water, no signs of illicit discharge.

Name of Inspector: Joel Brieske

Signature of Inspector:



Village of Caledonia
Root River Group
WPDES Permit No. WI-S050059-1



Outfall ID: RR-20-05

Date Inspected: 9-30-10

Date of Last Rainfall (must be at least 72 hrs after any 0.1" rainfall): More than 7 days

Amount of Last Rainfall: Trace

Rainfall Source: National Weather Service Milwaukee/Sullivan, WI

Any Sign of Illicit Discharge (if yes, complete information below) : NO

Water Depth (ft) (from water surface to bottom of pipe or thalweg):

Flow Velocity (ft/sec) :

Ambient Temperature (F°) :

Water Temperature (F°) :

PH:

Water Color:

Turbidity (visual) :

Surface Sheen:

Odor:

Photo(s) Taken: Yes

Additional Comments/Observations:

Name of Inspector: Joel Brieske

Signature of Inspector: *Joel Brieske*



Village of Caledonia
Root River Group
WPDES Permit No. WI-S050059-1



Outfall ID: RR-20-06

Date Inspected: 9-30-10

Date of Last Rainfall (must be at least 72 hrs after any 0.1" rainfall): More than 7 days

Amount of Last Rainfall: Trace

Rainfall Source: National Weather Service Milwaukee/Sullivan, WI

Any Sign of Illicit Discharge (if yes, complete information below) : NO

Water Depth (ft) (from water surface to bottom of pipe or thalweg):

Flow Velocity (ft/sec) :

Ambient Temperature (F°) :

Water Temperature (F°) :

PH:

Water Color:

Turbidity (visual) :

Surface Sheen:

Odor:

Photo(s) Taken: Yes

Additional Comments/Observations:

Name of Inspector: Joel Brieske

Signature of Inspector:



Village of Caledonia
Root River Group
WPDES Permit No. WI-S050059-1



Outfall ID: RR-68-10

Date Inspected: 9-30-10

Date of Last Rainfall (must be at least 72 hrs after any 0.1" rainfall): More than 7 days

Amount of Last Rainfall: Trace

Rainfall Source: National Weather Service Milwaukee/Sullivan, WI

Any Sign of Illicit Discharge (if yes, complete information below) : NO

Water Depth (ft) (from water surface to bottom of pipe or thalweg):

Flow Velocity (ft/sec) :

Ambient Temperature (F°) :

Water Temperature (F°) :

PH:

Water Color:

Turbidity (visual) :

Surface Sheen:

Odor:

Photo(s) Taken: Yes

Additional Comments/Observations:

Name of Inspector: Joel Brieske

Signature of Inspector: *Joel Brieske*



Village of Caledonia
Root River Group
WPDES Permit No. WI-S050059-1



Outfall ID: WP-05-15

Date Inspected: 9-30-10

Date of Last Rainfall (must be at least 72 hrs after any 0.1" rainfall): More than 7 days

Amount of Last Rainfall: Trace

Rainfall Source: National Weather Service Milwaukee/Sullivan, WI

Any Sign of Illicit Discharge (if yes, complete information below) : NO

Water Depth (ft) (from water surface to bottom of pipe or thalweg):

Flow Velocity (ft/sec) :

Ambient Temperature (F°) :

Water Temperature (F°) :

PH:

Water Color:

Turbidity (visual) :

Surface Sheen:

Odor:

Photo(s) Taken: Yes

Additional Comments/Observations:

Name of Inspector: Joel Brieske

Signature of Inspector:



Village of Caledonia
Root River Group
WPDES Permit No. WI-S050059-1



Outfall ID: WP-05-35

Date Inspected: 9-30-10

Date of Last Rainfall (must be at least 72 hrs after any 0.1" rainfall): More than 7 days

Amount of Last Rainfall: Trace

Rainfall Source: National Weather Service Milwaukee/Sullivan, WI

Any Sign of Illicit Discharge (if yes, complete information below) : NO

Water Depth (ft) (from water surface to bottom of pipe or thalweg):

Flow Velocity (ft/sec) :

Ambient Temperature (F°) :

Water Temperature (F°) :

PH:

Water Color:

Turbidity (visual) :

Surface Sheen:

Odor:

Photo(s) Taken: Yes

Additional Comments/Observations:

Name of Inspector: Joel Brieske

Signature of Inspector:



Village of Caledonia
Root River Group
WPDES Permit No. WI-S050059-1



Outfall ID: WP-05-53

Date Inspected: 9-30-10

Date of Last Rainfall (must be at least 72 hrs after any 0.1" rainfall): More than 7 days

Amount of Last Rainfall: Trace

Rainfall Source: National Weather Service Milwaukee/Sullivan, WI

Any Sign of Illicit Discharge (if yes, complete information below) : NO

Water Depth (ft) (from water surface to bottom of pipe or thalweg):

Flow Velocity (ft/sec) :

Ambient Temperature (F°) :

Water Temperature (F°) :

PH:

Water Color:

Turbidity (visual) :

Surface Sheen:


Odor:

Photo(s) Taken: Yes

Additional Comments/Observations:

Standing water, no signs of illicit discharge.

Name of Inspector: Joel Brieske

Signature of Inspector: 



Village of Caledonia
Root River Group
WPDES Permit No. WI-S050059-1



Outfall ID: WP-05-65

Date Inspected: 9-30-10

Date of Last Rainfall (must be at least 72 hrs after any 0.1" rainfall): More than 7 days

Amount of Last Rainfall: Trace

Rainfall Source: National Weather Service Milwaukee/Sullivan, WI

Any Sign of Illicit Discharge (if yes, complete information below) : NO

Water Depth (ft) (from water surface to bottom of pipe or thalweg):

Flow Velocity (ft/sec) :

Ambient Temperature (F°) :

Water Temperature (F°) :

PH:

Water Color:

Turbidity (visual) :

Surface Sheen:

Odor:

Photo(s) Taken: Yes

Additional Comments/Observations:

Standing water, no signs of illicit discharge.

Name of Inspector: Joel Brieske

Signature of Inspector:



Village of Caledonia
Root River Group
WPDES Permit No. WI-S050059-1



Outfall ID: WP-05-83

Date Inspected: 9-30-10

Date of Last Rainfall (must be at least 72 hrs after any 0.1" rainfall): More than 7 days

Amount of Last Rainfall: Trace

Rainfall Source: National Weather Service Milwaukee/Sullivan, WI

Any Sign of Illicit Discharge (if yes, complete information below) : NO

Water Depth (ft) (from water surface to bottom of pipe or thalweg):

Flow Velocity (ft/sec) :

Ambient Temperature (F°) :

Water Temperature (F°) :

PH:

Water Color:

Turbidity (visual) :

Surface Sheen:

Odor:

Photo(s) Taken: Yes

Additional Comments/Observations:

Standing water, no signs of illicit discharge.

Name of Inspector: Joel Brieske

Signature of Inspector: *Joel Brieske*



Village of Caledonia
Root River Group
WPDES Permit No. WI-S050059-1



Outfall ID: WP-06-07

Date Inspected: 9-30-10

Date of Last Rainfall (must be at least 72 hrs after any 0.1" rainfall): More than 7 days

Amount of Last Rainfall: Trace

Rainfall Source: National Weather Service Milwaukee/Sullivan, WI

Any Sign of Illicit Discharge (if yes, complete information below) : NO

Water Depth (ft) (from water surface to bottom of pipe or thalweg):

Flow Velocity (ft/sec) :

Ambient Temperature (F°) :

Water Temperature (F°) :

PH:

Water Color:

Turbidity (visual) :

Surface Sheen:

Odor:

Photo(s) Taken: Yes

Additional Comments/Observations:

Name of Inspector: Joel Brieske

Signature of Inspector: *Joel Brieske*



Village of Caledonia
Root River Group
WPDES Permit No. WI-S050059-1



Outfall ID: WP-06-11

Date Inspected: 9-30-10

Date of Last Rainfall (must be at least 72 hrs after any 0.1" rainfall): More than 7 days

Amount of Last Rainfall: Trace

Rainfall Source: National Weather Service Milwaukee/Sullivan, WI

Any Sign of Illicit Discharge (if yes, complete information below) : NO

Water Depth (ft) (from water surface to bottom of pipe or thalweg):

Flow Velocity (ft/sec) :

Ambient Temperature (F°) :

Water Temperature (F°) :

PH:

Water Color:

Turbidity (visual) :

Surface Sheen:


Odor:

Photo(s) Taken: Yes

Additional Comments/Observations:

Trickle of water, no signs of illicit discharge.

Name of Inspector: Joel Brieske

Signature of Inspector: 



Village of Caledonia
Root River Group
WPDES Permit No. WI-S050059-1



Outfall ID: WP-07-20

Date Inspected: 9-30-10

Date of Last Rainfall (must be at least 72 hrs after any 0.1" rainfall): More than 7 days

Amount of Last Rainfall: Trace

Rainfall Source: National Weather Service Milwaukee/Sullivan, WI

Any Sign of Illicit Discharge (if yes, complete information below) : NO

Water Depth (ft) (from water surface to bottom of pipe or thalweg):

Flow Velocity (ft/sec) :

Ambient Temperature (F°) :

Water Temperature (F°) :

PH:

Water Color:

Turbidity (visual) :

Surface Sheen:

Odor:

Photo(s) Taken: Yes

Additional Comments/Observations:

Trickle of water, no signs of illicit discharge.

Name of Inspector: Joel Brieske

Signature of Inspector:



Village of Caledonia
Root River Group
WPDES Permit No. WI-S050059-1



Outfall ID: WP-09-10

Date Inspected: 9-30-10

Date of Last Rainfall (must be at least 72 hrs after any 0.1" rainfall): More than 7 days

Amount of Last Rainfall: Trace

Rainfall Source: National Weather Service Milwaukee/Sullivan, WI

Any Sign of Illicit Discharge (if yes, complete information below) : NO

Water Depth (ft) (from water surface to bottom of pipe or thalweg):

Flow Velocity (ft/sec) :

Ambient Temperature (F°) :

Water Temperature (F°) :

PH:

Water Color:

Turbidity (visual) :

Surface Sheen:

Odor:

Photo(s) Taken: Yes

Additional Comments/Observations:

Standing water, no signs of illicit discharge.

Name of Inspector: Joel Brieske

Signature of Inspector:

Village of Caledonia 2010 Illicit Discharge Inspection Photos



hoc-04-07.JPG



hoc-06-01.JPG



hoc-09-11.JPG



hoc-09-14.JPG



hoc-09-17.JPG



RR-20-05.JPG



rr-20-06.JPG



rr-68-10.JPG



wp-05-15.JPG



wp-05-35.JPG



wp-05-53.JPG



wp-05-65.JPG



wp-05-83.JPG



wp-06-07.JPG



wp-06-11.JPG



wp-07-20.JPG



wp-09-10.JPG