

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

Due by March 31, 2011

This form is for the purpose of annual reporting on activities undertaken pursuant to the Municipal Separate Storm Sewer System (MS4) General Permit No. WI-S050075-1. An owner or operator of a municipal separate storm sewer system covered by the general permit under Chapter NR 216, Wis. Adm. Code, is required to submit an annual report to the Department of Natural Resources by March 31 of each year to report on activities for the previous calendar year. This form is for reporting on activities undertaken in calendar year 2010.

Use of this specific form is optional. The Department of Natural Resources has created this form for the user's convenience and believes that the information requested on this form meets the reporting requirements for an owner or operator of a municipal separate storm sewer system covered by the general permit. Personal information collected will be used for administrative purposes and may be provided to the extent required by Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].

Instructions: Complete each section of the form that follows. If additional space is needed to respond to a question, attach additional pages. Provide descriptions that explain the program actions taken to-date to comply with the general permit. Complete and submit the annual report by March 31, 2011, to the appropriate address indicated on the last page of this form.

SECTION I. Municipal Information

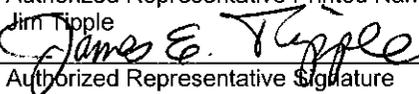
Name of Municipality City of Wausau		Facility ID No. (FIN) 31058	
Mailing Address 407 Grant Street	City Wausau	State WI	Postal Code 54403
County(s) in which Municipality is located Marathon	Type of Municipality: (check one) <input type="checkbox"/> County <input checked="" type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Town <input type="checkbox"/> Other (specify)		

SECTION II. Municipal Contact Information

Name of Municipal Contact Person Sean J. Gehin		Title Project Engineer	
Mailing Address 407 Grant Street	City Wausau	State WI	Postal Code 54403
E-mail Address sean.gehin@ci.wausau.wi.us	Telephone No. (including area code) (715) 261-6748	Fax No. (including area code) (715) 261-6759	

SECTION III. Certification

I hereby certify that I am an authorized representative of the municipality covered under MS4 General Permit No. WI-S050075-1 for which this annual report is being submitted and that the information contained in this document and all attachments were gathered and prepared under my direction or supervision. Based on my inquiry of the person or persons under my direction or supervision involved in the preparation of this document, to the best of my knowledge, the information is true, accurate, and complete. I further certify that the municipality's governing body or delegated representatives have reviewed or been apprised of the contents of this annual report. I understand that Wisconsin law provides severe penalties for submitting false information.

Authorized Representative Printed Name Jim Tipple 	Authorized Representative Title Mayor	
Authorized Representative Signature	Date Signed 3/30/11	
E-mail Address jim.tipple@ci.wausau.wi.us	Telephone No. (including area code) (715) 261-6803	Fax No. (including area code) (715) 261-6808

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.

This annual report will be posted on the City of Wausau website for review. Also, printed copies can be requested at the Engineering Department at 407 Grant Street.

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

The Department of Public Works, which includes the Engineering, Planning and Public Works divisions, meets bi-weekly in staff meetings. Storm water management and permit requirements are routinely discussed in these meetings. Also, the City of Wausau is a member of the North Central Wisconsin Storm Water Coalition (NCSWC). This group meets monthly to discuss education and outreach activities and permit compliance related issues.

Engineering staff reports to the Capital Improvements and Street Maintenance Committee (CISM), which is a subcommittee of the City Council, on issues relating to storm water. This is done at monthly CISM meetings.

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:

In the fall of 2010, the City of Wausau began preparing a storm water pollution prevention plan (SWPPP). The goal of the report is to better document and organize the storm water measures the City has already undertaken and the steps or best management practices the City proposes to become compliant with the MS4 permit requirements. A draft copy of the report can be made available upon request. The City anticipates a completed report by the end of the year.

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

If yes, describe these cooperative efforts:

The Cities of Wausau, Marshfield, Merrill, Mosinee, Schofield, Stevens Point, and Wisconsin Rapids; the Villages of Kronenwetter, Rothschild and Weston; the Town of Rib Mountain; and Marathon County have joined together to form the North Central Wisconsin Stormwater Coalition.

The group's goal is to reduce stormwater pollution in North Central Wisconsin through an education and outreach program. This program includes the use of advertisements, public service announcements, seminars and websites to achieve the educational goals. The cooperative work will save taxpayer money and provide a unified message to the public.

Marathon County organized the group and heads the monthly meetings. In return for organizing the communities in the public outreach and education process, the City has agreed to sample the Marathon County MS4 discharges within the City of Wausau under our illicit discharge and detection program.

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

If yes, provide web address:
www.ci.wausau.wi.us

If the municipality has an internet website, is there current information about or links provided to the MS4 general permit and/or the municipality's storm water management program? Yes No

If yes, provide web address:
<http://www.ci.wausau.wi.us/Departments/Engineering/StormWaterManagement.aspx>

SECTION V. Permit Conditions

a. Minimum Control Measures: For each of the permit conditions listed below, provide a description of the status of implementation of program elements, the status of meeting measurable goals, and compliance with permit schedule in section 3 of the MS4 general permit. Be specific in describing the actions that have been taken during the reporting year to implement each permit condition and whether measurable goals have been met, including any data collected to document a measurable goal. Also, explain the reasons for any variations from the compliance schedule in the MS4 general permit.

- Public Education and Outreach

The City of Wausau works with the North Central Wisconsin Storm Water Coalition to coordinate the education and outreach program. A copy of the group's activities is attached.

- Public Involvement and Participation

North Central Wisconsin Stormwater Coalition monthly meetings are open to the public, posted on Marathon County on-line bulletin board and sent to Wausau Daily Herald, City Pages, Marshfield News, and Midwest Radio Group. Meeting minutes are posted on the Marathon County website and sent to all NCWSC members.

- Illicit Discharge Detection and Elimination

In accordance with Section 2.3 of the General Permit the City has adopted Chapter 15.60 of the Wausau Municipal code, Illicit Discharge Detection and Elimination Requirements.

An initial field screening of all major outfalls within the City limits for illicit discharges was conducted in the fall of 2009. The field screening did not discover any significant non-storm water discharges. Field screenings of the major outfalls will be continued on an every other year basis. The continued sampling frequency of major outfalls will be dependent on future results. A copy of the 2009 stormwater outfall screening results are attached.

A copy of the completed inspection report is attached.

- Construction Site Pollutant Control

Chapter 15.56 of the Wausau Municipal Code has been adopted to meet the requirements for creating an ordinance to regulate erosion and sediment at construction sites. The City of Wausau does have authority from the Department of Commerce to regulate erosion control at public buildings and places of employment. The City of Wausau has building inspectors, engineering technicians and engineers who monitor erosion control on sites. It is the intent of the City to formalize the inspection procedures and forms within the next reporting year.

The City of Wausau will be working with the DNR to incorporate current revisions to NR 151 and NR 216 rules into the existing storm water ordinance.

- Post-Construction Storm Water Management

In accordance with Section 2.5 of the General Permit, the City has adopted Chapter 15.56 of the Wausau Municipal Code, Storm Water Management.

The City of Wausau will be working with the DNR to incorporate current revisions to NR 151 and NR 216 rules into the existing storm water ordinance.

- Pollution Prevention

The City owns and operates a vast network of storm sewer and structural best management practices (BMP) that convey, detain, and treat the City's stormwater runoff. The structural best management devices consist primarily of catch basins, swales, and detention ponds (dry and wet). In addition, treatment of small basins on a limited basis is accomplished using hydrodynamic separation devices. These devices combined with street and catch basin cleaning currently removes 23.5 percent of its TSS Load.

The inspection and maintenance of the City-owned stormwater facilities varies depending on the type of structure. In the fall of 2009 the City inspected all of its wet and dry stormwater basins. The inspection included the review of sediment accumulation, side slopes, inlet structure, outfall structure, erosion, emergency spillway, and vegetation. In general due to the age of the structures there was not any immediate correction action required. An inspection of the basins was not completed in 2010. The City's SWPPP when complete will include an inspection and maintenance schedule for its BMP's.

The City's street sweeping program, using regenerative air and mechanical sweepers, begins in April and continues through November. The City performs an aggressive program in the spring, sweeping most all of the streets on a weekly basis. After this initial effort the residential streets on average are cleaned 6 to 7 times throughout the season. However, the City's main arterials and collectors are continually cleaned on a weekly basis. A total of 2,833 cubic yards of material was removed from the roadway during the program in 2010. The removed material is used as fill at the municipal airport through the Conditional Low Hazard Grant of Exemption for the Beneficial use of Street Sweeping and Stormwater Solids for use as Roadbed, Fill Material and Aggregate in Asphalt Paving Mix.

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The City of Wausau has hundreds of catch basins serving the local roadways throughout the Wausau area. The installation of catch basins with a 2-foot sump has replaced the use of inlets on all new storm sewer and improvement projects. In the spring and fall of 2010 the City cleaned the catch basin sumps, 49.5 cubic yards of mostly sand and gravel was removed. The City's catch basins will be routinely inspected and maintained on a biyearly basis, typically in the spring and fall of each year.

A yard waste site is open to the City's residents beginning in April through the middle of November. Residents are allowed to drop off general yard waste (i.e. grass clippings, leaves, and brush). The collected material is disposed at a licensed compost site. In 2010 the City hauled 6,797 cubic yards of grass clippings and leaves to DNR licensed site for composting.

The City of Wausau has taken steps to reduce stormwater pollution at its public works garage and storage areas. The floor drains located within the garage have been redirected into the sanitary sewer. Catch basins with sumps have replaced inlets at the public works garage parking lot and storage area. Inlet protection has been placed within or around catch basins adjacent to uncovered stockpiles. The loading area adjacent to the salt shed was paved to allow the sweeping of spilled salt back into the facility. A dewatering basin and grass swale were constructed downstream of snow and street sweeping stockpiles located behind Pine Grove Cemetery.

See attached letter from Don Skare, Superintendent of City of Wausau Public Works, for the City's policy on the use of road salt and deicers.

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 9.3 Reduction (%) 23.5

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 9.3 Reduction (%) 23.5

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

Has the municipality completed an evaluation of all municipal owned or operated structural flood control facilities to determine the feasibility of retrofitting to increase TSS removal? Yes No If yes, describe:

The City has contracted with AECOM to model our 40% TSS compliance and how to achieve it. The analysis completed in December of 2010 recommends practices to reach the 40%. A copy of the report is attached.

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.

No major changes, updates are available from the City of Wausau GIS department.

SECTION VI. Fiscal Analysis

a. Provide a fiscal analysis that includes the annual expenditures for 2010, and the budget for 2010 and 2011. A table to document fiscal information is provided on page 6.

b. What financing/fiscal strategy has the municipality implemented to finance the requirements of the general permit?

Storm water utility General fund Other _____

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 City of Wausau has set aside approximately \$300,000 over the last 2 years to help reach the 40% suspended solids requirement. This money will be used to begin implementing the most cost-effective non-structural and structural activities outlined in the report from AECOM. In 2011 the City has elected to measure actual infiltration rates in the existing swales and convert a few of the City's dry basins to wet basins. The stormwater activities planned in 2011 would increase the City-wide reduction of TSS to approximately 32.7%.

SECTION VII. Inspections and Enforcement Actions

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

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

Previously submitted, however the City will be working with the DNR to update the ordinance to follow the recent changes to NR 216 and NR 151.

b. As of the date of this annual report, has the municipality adopted a post-construction storm water management ordinance in accordance with subsection 2.5.1 of the general permit? Yes No If yes, attach copy or provide web link to ordinance:

Previously submitted, however the City will be working with the DNR to update the ordinance to follow the recent changes to NR 216 and NR 151.

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

Previously submitted.

d. As of the date of this annual report, has the municipality adopted any other ordinances it has deemed necessary to implement a program under the general permit (e.g., pet waste ordinance, leaf management/yard waste ordinance, parking restrictions for street cleaning, etc.)? Yes No If yes, attach copy or provide web link to ordinance:

e. Provide a summary of available information on the number and nature of inspections and enforcement actions conducted during the reporting period to ensure compliance with the ordinances described in a. to d. above.

The City of Wausau Inspections Department issued a total of 36 new construction residential and 13 new construction commercial building permits in 2010. Each of these structures was inspected by the City's building inspectors during construction to ensure compliance with local, state and federal building codes as they relate to erosion control. The City of Wausau also inspected the reconstruction of 15 residential streets in 2010. The City was responsible for inspecting erosion control measures on these reconstructions and ensuring compliance with the erosion control plan.

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:

Wisconsin River

- Description of actions municipality has taken to comply with section 1.5.2 of the MS4 general permit for discharges of pollutant(s) of concern to an impaired waterbody:

Pollutants of concern for the Wisconsin River are listed as Mercury and PCB's in the sediment. The City of Wausau has an aggressive street sweeping program using both mechanical sweepers and regenerative air sweepers. Through street sweeping and catch basin cleaning, the city collected 2,883 cubic yards of sediment off the streets. Collecting these larger particles keeps additional heavy metals, such as mercury, from entering the water way.

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

None

d. Identify any known water quality degradation in the receiving water to which the MS4 discharges during the reporting period and what actions are being taken to improve the water quality in the receiving water.

None

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

Program Element	Annual Expenditure		Budget		Source of Funds
	2010	2010	2010	2011	
Public Education and Outreach					The City of Wausau uses General funds to pay for all aspects of storm water management, detailed budget analysis is not kept on each individual area. Existing staff and resources are utilized to implement the program.
Public Involvement and Participation					
Illicit Discharge Detection and Elimination					
Construction Site Pollutant Control					
Post-Construction Storm Water Management					
Pollution Prevention					
Storm Water Quality Management (including pollutant-loading analysis)					
Storm Sewer System Map					
Other					

NORTHERN REGION COUNTIES			WEST CENTRAL REGION COUNTIES		
Ashland	Langlade	DNR Service Center	Adams	Marathon	DNR Service Center
Barron	Lincoln	1701 N. 4th Street	Buffalo	Monroe	5301 Rib Mountain Rd.
Bayfield	Oneida	Superior, WI 54880	Clark	Portage	Wausau, WI 54401
Burnett	Polk	Phone: (715) 392-7988	Crawford	Trempealeau	Phone: (715) 359-4522
Douglas	Price		Jackson	Vernon	
Florence	Rusk		Juneau	Wood	
Forest	Sawyer		La Crosse		
Iron	Taylor				
	Vilas				
	Washburn		Chippewa	Pepin	DNR Service Center
			Dunn	Pierce	890 Spruce St.
			Eau Claire	St. Croix	Baldwin, WI 54002
					Phone: (715) 684-2914

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

SOUTHEAST REGION COUNTIES		
Kenosha	Sheboygan	DNR Service Center
Milwaukee	Walworth	141 NW Barstow Street,
Ozaukee	Washington	Room 180
Racine	Waukesha	Waukesha, WI 53188
		Phone: (262) 884-2300



Department of Public Works
Construction & Maintenance Division



Superintendent
Don Skare

Date: December 9, 2010

To: Sean Gehin

From: Don Skare 

Subject, Street Department Winter Salt Application Practices.

First we monitor the temperatures for the use of salt. When the temperatures are between 10 and 35 degrees we will use salt when fighting the effects of a snow storm. Typically we will spread salt at a rate of between 200 lbs to 600 lbs per lane mile to keep the ice from forming on city streets.

In the process of spreading this salt we will pre-wet the salt dropping from the conveyor onto the spinner thus broadcasting the pre-wetted salt out behind the truck. During this pre-wetting process the salt is coated with salt brine which helps the salt stick to the area in which it lands, reducing the bounce and rolling to the side of the road and keeping the salt in the tire lane longer. Another benefit of pre-wetting salt is as we apply the salt brine our spreaders are calibrated to automatically cut back the salt output by 30% which helps save the City of Wausau a considerable amount of money.

Also, when snow or freezing weather is in the forecast the City will spray salt brine on the bridge decks and shaded areas of the City to help keep the street safe at the beginning of the snow storm. Since we have been using both the pre-wet and the application of anti-icing on bridge decks and shaded areas we have cut the Cities consumption of salt by approximately 20%.

STORM WATER MANAGEMENT SUB-COMMITTEE
OUTREACH AND EDUCATION PLAN

March 29, 2011

DATE	ACTIVITY	DESCRIPTION	EDUCATION & OUTREACH PLAN GOAL	AUDIENCE
01/01/08 - 12/31/08	Shoreland Owners' Guide	Protect Your Investment and Your Watershed	4	Water front property owners (2008: 106 packets, 26 rainriders)
01/01/08 - 12/31/08	EXCal DVD	Training DVD	1	Municipal employees
04/14/08	Newspaper article	Improving Stormwater Runoff - Wisconsin Rapids	2	General public
05/21/08	Newspaper article	Dog poop isn't just a nuisance	2, 3, 4, 5	Wausau Daily Herald
05/24/08	Wisconsin River Cleanup	Trash pick up and stormwater educational presentation.	2	250 High School Students from 10 schools
05/24/08	Newspaper article	Cleanup nets 1.5 tons of trash	2	Wausau Daily Herald
05/23/08	Stormwater Survey	Survey of residents knowledge	1, 2, 3, 4, 5	1,270 households, 459 respondents
06/18/07	Newspaper article	Conversion of Walnut Detention Basin to weed pond forces soccer team to find new fields. Article references TSS reduction goals as reason for project.	5	Marshfield News Herald
11/10/07	Newspaper article	Reducing use of phosphorus helps the environment. Article by Teri Gear, UW Wood County Extension, explains phosphorus impacts and benefits of proper leaf management and car washing.	2	Marshfield News Herald
06/03/08	Newspaper article	It's a river, not a sewer, Wisconsin	2, 3, 4, 5	Wausau Daily Herald
06/05/08	Financial Contribution	Sponsorship of Wisconsin River Cleanup	2, 4	
06/13/08	Newspaper article	Regional stormwater group needs help	1, 2, 3, 4, 5	Wausau Daily Herald
06/18/08	Newspaper article	Regional stormwater group needs help	1, 2, 3, 4, 5	Stevens Point Journal
06/20/08	Newspaper article	Regional stormwater group needs help	1, 2, 3, 4, 5	Wisconsin Rapids Tribune
6/20/2008	Storm Drain Marking	The City of Stevens Point began ordering all new inlet and catch basin lids with environmental notices. No clamp drains to river.	1, 2	General Public
06/25/08	Newspaper article	6th, 7th, 8th, & 9th streets, 59 drains; Wausau Daily Herald & Mosinee Times - press release	1, 2, 3, 4, 5	DC Everest Herald
06/25/08 - 06/27/08	Storm drain stenciling	Storm drain stenciling	2	YMCA Camp Adventure, 25 children grades 2-8
06/25/08 - 06/27/08	Storm water education	Storm water education	2, 3, 4, 5	YMCA Camp Adventure 70 children grades K-8
07/01/08	Storm drain stenciling	Storm drain stenciling	2	4H Students
08/09/09 - 08/10/09	Display Board	Wisconsin Valley Fair	2	fair attendees
08/09/09 - 08/10/09	Community Connections Newsletter	Community Connections Newsletter	Public involvement	Municipal planning commissions, boards, councils; interested parties, website
10/01/08	Article Volume 1 Issue 3	Article Volume 1 Issue 3		
11/24/2008	Informational Meeting	Informational Meeting	2	6 University Students
12/15/2008	Biofiltration Demonstration Site	Biofiltration Demonstration Site	5	General Public, University Students
7/1/1905	Water Quality Fact Sheets	Water Quality Fact Sheets		General public
2/3/2009	Staff Training	City of Wisconsin Rapids website		City of WI Rapids Engineering, Street and Wastewater Departments
3/1/2009	Storm Drain Stenciling	City of Wisconsin Rapids - Engineering - storm water pollution prevention video	2	30 Boy Scouts, and General Public
3/13/2009	Meeting	The City of Stevens Point has several Boy Scout groups that have agreed to conduct storm water stenciling on existing storm drains.		
March/April 2009	Earth Week Commercial	The City of Stevens Point Engineering Department provided an instructional meeting for the City plumbing inspector on what they are required to monitor during construction from an erosion control and site development standpoint using an existing development as an example of where improvements are needed.	2	City Building Inspectors
3/19/09 - 4/27/09	Earth Week Commercial	Aired at Merrill movie theater	2	Movie Theater customers
03/28/09	Living Shorelines Workshop	Commercial; public service announcements, etc.	2	Channel 7 viewers
March 2009 +	NCWSC ad on digital billboards	Car wash message on billboards - Schofield Ave & 5TH 29	4	workshop participants
04/12/09	Letter	Federal Clean Water Act, storm water utilities, reducing stormwater pollution	2	travellers
04/15/09	Compost Classes	Compost Classes	3	Wisconsin Rapids residents
04/29/09	Letter	stormwater pollution information ways to help	3	workshop participants
04/30/09	Compost Classes	Compost Classes	3	workshop participants
05/06/09	Compost Classes	Compost Classes	3	workshop participants
05/07/09	Compost Classes	Compost Classes	3	workshop participants
05/07/09	Compost Pail & Bin Sales	Compost Pail & Bin Sales	3	workshop participants
05/07/09	Wisconsin River Cleanup	Wisconsin River Cleanup	2, 3, 4, 5	250 High School Students from 10 schools
05/28/09	Rain Barrel Workshops	Rain Barrel Workshops	5	participants
06/30/09	Rain Barrel Workshops	Rain Barrel Workshops	5	participants
06/29/09	Demonstration Rain Gardens	Demonstration Rain Gardens	5	participants
06/01/09	Radio broadcast	Explaining NCWSC and rain gardens	5	volunteers, media
06/25/09	Rain Barrel Workshops	Wausau, Educational presentation on infiltration	5	radio listeners
06/07/09	Presentation/Educational session	Camp Dell Eau Claire - Girl Scouts	2	40 participants
08/04/09 - 08/08/09	Display board	Wisconsin Valley Fair	2	30 Girl Scouts & 3 leaders
10/09/09	Rain Barrel Workshops	Marshfield Green Living Expo	2	fair attendees
2008, 2009, 2010	Public Participation	Monthly updates to Writaton County Metropolitan Commission	5	26 participants
02/10/10	Follow up survey	Follow up to initial survey	1, 2, 3, 4, 5	Commissioners, staff, DOT, FHA
March/April 2010	Earth Week Commercial	Earth Week Commercial	2	
04/08/10	Storm water pollution prevention education	Engineering Department, Street Department, Wastewater Department		City of WI Rapids Engineering, Street and Wastewater Departments
05/11/10	Scouts in Government	Educational presentation on watersheds, rainbarrel construction		Wastewater Departments
05/21/10	Wisconsin River Cleanup	Educational presentation, participation in cleanup	2, 3, 4, 5	40+ Scouts and leaders
Spring 2010	Bio-Filter Install	Construction of Bio-Filter at Library as part of parking lot install (high visibility)		200 High school students
9/9/2010	Letter with brochures	Norton Pond Construction		Engineering, Street Dpt
9/13/2010	Public Hearing	Norton Pond Construction		Engineering
Summer/Fall	Collecting Rain Barrels	Collecting Rain Barrels for Spring 2011 workshop (May 18, 2011)		Public Works Committee, Residents
ONGOING	website	http://basineducation.uwex.edu/centralwis/stormwater.htm		Workshop will be done in 2011
09/28/10	Rain Barrel Workshops	Schofield		
10/01/10	Community Connections Newsletter	Community Gardens - A True Community Effort		General Public, Library
Fall 2010	Digital Billboard	stormwater pollution information ways to help		Public Works Committee, Residents
Summer 2010	Rain Garden Installation	Marshfield fire station		Public Works Committee, Residents
03/01/10	Weston Focus Newsletter article	Sustainable Weston		Workshop will be done in 2011
03/19/10	Weston Wire	Street Sweeping article		
05/14/10	Weston Wire	Sustainable Weston article		
09/10/10	Weston Wire	Rain barrel workshop article		
09/24/10	Weston Wire	Stormwater story & rain barrel workshop article		
12/02/10	Weston Wire	Green Tier Legacy Recognition article		
06/01/10	Weston Wire	Weston Consumer Confidence Report		
01/16 - 01/21/2010		Meetings with 12 Stevens Point elementary schools, WRWA poster contest, Environmental Education issues, pet waste brochures to city treasurers to be distributed with dog licenses.		Stevens Point elementary education teachers
02/10/10	Food Fair - Water education booth	Environment runoff model, brochures (pet waste, water cycle color book, stormwater, retrofitting yard care, polluted runoff, new fertilizer law, water quality and food choices, protecting water quality, storm sewers).		500-600 people from businesses, farmers, kids, general public, government officials
03/14/10	Stormwater overview	Presentation by Becher Hoppe to the Schofield Board of Public Works		Schofield Board of Public Works
12/15/10		Rain Harvesting presentation - Living Color Design		NCWSC Members

**City of Wausau
2009 Storm Water Outfall Sampling Summary**

Outfall ID	Flow Y/N	Chlorine mg/l	pH	Copper ug/l	Phenol mg/l	Detergents mg/l	Notes
83	N						
1236-1237	Y	0.1	5.9	1.98	nd	0.03	
125	Y	0	6	1.72	nd	0.03	
1667	N						
54	N						
45	N						
1	Y	0	6.3	2.29	nd	nd	
46	N						
65	N						
18	Y	0.08	6.3	1.7	nd	nd	
56	N						
16	N						
64	N						
141	Y	0.01	6.8	1.51	nd	nd	odor, sheen
63	Y	0.04	6.6	6.86	nd	nd	
66	Y	0.05	7	3.14	nd	nd	
CTH R	N						
1582	N						
1206	N						
704	N						
105	Y	0.04	6.8	2.47	nd	nd	
1630	N						
703	Y	0.03	6.4	6.34	0.019	0.04	
27	N						
1159	N						
75	Y	0.07	6.4	3.2	0.077	nd	
234	N						
98	N						
97	N						
129	N						
178	Y	0.43	6.6	2.08	0.03	nd	
208	Y	0.04	6.4	3.92	nd	nd	
128	N						
163	N						
31	Y	0.59	6.7	2.69	nd	nd	
1158	N						
93	Y	0.73	6.6	2.07	nd	nd	
177	Y	0.03	6.4	1.54	nd	nd	
225	N						
100	N						

