Submittal of Annual Reports and Other Compliance Documents for Municipal Separate Storm Sewer System (MS4) Permits

NOTE: Missing or incomplete fields are highlighted at the bottom of each page. You may save, close and return to your draft permit as often as necessary to complete your application. After 120 days your draft is **deleted.**

Form 3400-224(R8/2021)

Reporting Information :

Will you be completing the Annual Report or other submittal type? (•) **Annual Report** ( ) **Other**

Project Name:	2024 Annual Report
County:	Walworth
Municipality:	Whitewater, City
Permit Number:	S050075
Facility Number:	31439
Reporting Year:	2024

Is this submittal also satisfying an Urban Nonpoint Source Grant funded deliverable? ( ) **Yes** (•) **No**

Required Attachments and Supplemental Information

Please complete the contents of each tab to submit your MS4 permit compliance document. The information included in this checklist is necessary for a complete submittal. A complete and detailed submittal will help us review about your MS4 permit document. To help us make a decision in the shortest amount of time possible, the following information must be submitted:

Annual Report

- Review related web site and instructions for Municipal storm water permit eReporting [Exit Form]
- Complete all required fields on the annual report form and upload required attachments
- Attach the following other supporting documents as appropriate using the attachments tab above
  - Public Education and Outreach Annual Report Summary
  - Public Involvement and Participation Annual Report Summary
  - Illicit Discharge Detection and Elimination Annual Report Summary
  - Construction Site Pollution Control Annual Report Summary
  - Post-Construction Storm Water Management Annual Report Summary
  - Pollution Prevention Annual Report Summary
    - Leaf and Yard Waste Management
    - Municipal Facility (BMP) Inspection Report
    - Municipal Property SWPPP
    - Municipally Property Inspection Report
    - Winter Road Maintenance
  - Storm Sewer Map Annual Report Attachment
  - Storm Water Quality Management Annual Report Attachment

- TMDL Attachment
- Storm Water Consortium/Group Report
- Municipal Cooperation Attachment
- Other Annual Report Attachment

- Attach the following permit compliance documents as appropriate using the attachments tab above

  - Storm Water Management Program
    - Public Education and Outreach Program
    - Public Involvement and Participation Program
    - Illicit Discharge Detection and Elimination Program
    - Construction Site Pollutant Control Program
    - Post-Construction Storm Water Management Program
    - Pollution Prevention Program
      - Municipal Storm Water Management Facility (BMP) Inventory
      - Municipal Storm Water Management Facility (BMP) Inspection and Maintenance Plan
  - Total Maximum Daily Load documents *(*If applicable, see permit for due dates.)*
    - TMDL Mapping*
    - TMDL Modeling*
    - TMDL Implementation Plan*
    - Fecal Coliform Screening Parameter *
    - Fecal Coliform Inventory and Map *(S050075-03 general permittees Appendix B B.5.2 – document due to the department by March 31, 2022)*
    - Fecal Coliform Source Elimination Plan *(S050075-03 general permittees Appendix B - document due to the department by October 31,2023)*

- Sign and Submit form

Do not close your work until you SAVE.

Form 3400-224 (R8/2021)

Municipal Contact Information- Complete

Notice: Pursuant to s. NR 216.07(8), Wis. Adm. Code, an owner or operator of a Municipal Separate Storm Sewer System (MS4) is required to submit an annual report to the Department of Natural Resources (Department) by March 31 of each year to report on activities for the previous calendar year ("reporting year"). This form is being provided by the Department for the user's convenience for reporting on activities undertaken in each reporting year of the permit term. 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.].
Note: Compliance items must be submitted using the Attachments tab.

Municipality Information

Name of Municipality	Whitewater, City
Facility ID # or (FIN):	31439
Updated Information:	☐ Check to update mailing address information
Mailing Address:	312 W Main Street
Mailing Address 2:	
City:	Whitewater, City
State:	WI
Zip Code:	53190 xxxxx or xxxxx-xxxx

Primary Municipal Contact Person (Authorized Representative for MS4 Permit)

The "Authorized Representative" or "Authorized Municipal Contact" includes the municipal official that was charged with compliance and oversight of the permit conditions, and has signature authority for submitting permit documents to the Department (i.e., Mayor, Municipal Administrator, Director of Public Works, City Engineer).

☐ Select to ***create new*** primary contact

First Name:	Brad
Last Name:	Marquardt

☐ Select to ***update*** current contact information

Title:	Public Works Director
Mailing Address:	312 West Whitewater St
Mailing Address 2:	
City:	Whitewater
State:	WI
Zip Code:	53190 xxxxx or xxxxx-xxxx
Phone Number:	262-473-0139 Ext: xxx-xxx-xxxx
Email:	bmarquardt@whitewater-wi.gov

Additional Contacts Information (Optional)

☐ I&E Program

Individual with responsibility for: (Check all that apply)

- ☐ IDDE Program
- ☐ IDDE Response Procedure Manual
- ☐ Municipal-wide Water Quality Plan
- ☐ Ordinances
- ☐ Pollution Prevention Program
- ☐ Post-Construction Program
- ☐ Winter roadway maintenance

First Name:	
Last Name:	
Title:	
Mailing Address:	
Mailing Address 2:	
City:	
State:	
Zip Code:	xxxxx or xxxxx-xxxx
Phone Number:	Ext: xxx-xxx-xxxx
Email:	

Municipal Billing Contact Person (Authorized Representative for MS4 Permit)

☑ Select to ***create new*** Billing contact

First Name:	Brad
Last Name:	Marquardt

☑ Select to ***update*** current contact information

Title:	Public Works Director
Mailing Address:	312 W. Whitewater Street
Mailing Address 2:	
City:	Whitewater
State:	WI
Zip Code:	53190 xxxxx or xxxxx-xxxx
Phone Number:	262-473-0139 Ext: xxx-xxx-xxxx
Email:	bmarquardt@whitewater-wi.gov

1. Does the municipality rely on another entity to satisfy some of the permit requirements?

◉ Yes ○ No

☑ Public Education and Outreach Rock River Storm Group - Creative Marketing Unlimited

☑ Public Involvement and Participation Rock River Storm Group - Creative Marketing Unlimited

☑ Illicit Discharge Detection and Elimination Water Resource Associates

☑ Construction Site Pollutant Control Municipal Zoning and Inspection Services

☑ Post-Construction Storm Water Management Water Resource Associates

☐ Pollution Prevention

2. Has there been any changes to the municipality's participation in group efforts towards permit compliances (i.e., the municipality has added or dropped consortium membership)?

○ Yes ◉ No

Missing Information

Do not close your work until you **SAVE.**

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7.

Form 3400-224 (R8/2021)

Minimum Control Measures- Section 1 : Complete

1. Public Education and Outreach

a. Does MS4 conduct any educational efforts or events independently (not with a group) ○ Yes ◉ No

b. How many total educational events were held during the reporting year: 38

c. Were any of the public education and outreach delivery mechanisms conducted during the reporting year active or interactive? ◉ Yes ○ No

d. Please select all storm water topics, target audiences, and delivery mechanisms used in the reporting year

Public Education and Outreach Delivery Mechanisms (Active and Passive)	
Active/Interactive Mechanisms	**Passive Mechanisms**
☑ Education activities (school presentations, summer camps)	☑ Passive print media (brochures at front desk, posters, etc.)
☑ Information booth at event	☑ Distribution of print media (mailings, newsletters, etc.) via mail or email.
☑ Targeted group training (contractors, consultants, etc.)	☑ Media offerings (radio and TV ads, press release, etc.)
☑ Government event (public hearing, council meeting)	☑ Social media posts
☑ Workshops	☑ Signage
☐ Tours	☑ Website
☐ Other: River Clean up	☐ Other:

Topics Covered	Target Audience
☑ Illicit discharge detection and elimination	☑ General Public
☑ Household hazardous waste disposal/pet waste management/vehicle washing	☑ Public Employees
☑ Yard waste management/pesticide and fertilizer application	☑ Residents
☑ Stream and shoreline management	☑ Businesses
☑ Residential infiltration	☑ Contractors
☑ Construction sites and post-construction storm water management	☑ Developers
☑ Pollution prevention	☑ Industries
☑ Green infrastructure/low impact development	☑ Public Officials
☑ Other: Salt	☐ Other:

e. Will additional information/summary of these education events be attached to the annual report? ◉ Yes ○ No

If no, please provide additional comment in the brief explanation box below. *Limit response to 250 characters and/or attach supplemental information on the attachments page.*

Missing Information

Do not close your work until you **SAVE.**

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (R8/2021)

Minimum Control Measures - Section 2 : Complete

2. Public Involvement and Participation

a. Permit Activities. Select all of the following topics the Permittee did to engage public participation and involvement.

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☑ MS4 Annual Report ☑ Storm Water Management Program ☐ Storm Water related ordinance ☐ Other:	☑ General Public ☑ Public Employees ☑ Residents ☐ Businesses ☐ Contractors ☐ Developers ☐ Industries ☐ Public Officials ☐ Other	Select...	◉ Yes ○ No

b. Volunteer Activities. Select all of the following audiences targeted for volunteer involvement and participation related to storm water.

☐ NA (Individual Permittee)

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
Volunteer Opportunity	☑ General Public ☑ Public Employees ☑ Residents ☐ Businesses ☐ Contractors ☐ Developers ☐ Industries ☐ Public Officials ☐ Other	Select...	◉ Yes ○ No

c. Brief explanation on Public Involvement and Participation reporting. *Limit response to 250 characters and/or attach supplemental information on the attachments page.*

Missing Information

Do not close your work until you **SAVE.**

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (R8/2021)

Minimum Control Measures - Section 3 : Complete

3. Illicit Discharge Detection and Elimination

a.	How many total outfalls does the municipality have?	83
b.	How many major outfalls does the municipality have?	51
c.	How many outfalls did the municipality evaluate as part of their routine ongoing field screening program?	51
d.	From the municipality's routine screening, how many were confirmed illicit discharges?	0
e.	How many illicit discharge complaints did the municipality receive?	0
f.	From the complaints received, how many were confirmed illicit discharges?	0
g.	How many of the identified illicit discharges did the municipality eliminate in the reporting year (from both routine screening and complaints)? (If the sum of 3.c. and 3.e. does not equal 3.f., please explain below.)	0

h. What types of regulatory mechanisms does the municipality have available to compel compliance with this program? Check all that are available and how many times each were used in the reporting year.

☑ Verbal Warning	0
☑ Written Warning (including email)	0
☑ Notice of Violation	0
☐ Civil Penalty/ Citation	

Additional Information:

i. Brief explanation on Illicit Discharge Detection and Elimination reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*

Missing Information

Do not close your work until you **SAVE.**

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (R8/2021)

Minimum Control Measures - Section 4 : Complete

4. Construction Site Pollutant Control

a. How many total construction sites with one acre or more of land disturbing construction activity were active at any point in the reporting year? 10

b. How many construction sites with one acre or more of land disturbing construction activity did the municipality issue permits for in the reporting year? 3

c. How many erosion control inspections did the municipality complete in the reporting year (at sites with one acre or more of land disturbing construction activity)? 103

d. What types of regulatory mechanisms does the municipality have available to compel compliance with this program? Check all that are available and how many times each were used in the reporting year.

☑ Verbal Warning	10
☑ Written Warning (including email)	23
☑ Notice of Violation	0
☑ Civil Penalty/ Citation	0
☑ Stop Work Order	0
☑ Forfeiture of Deposit	0
☐ Other - Describe below	

e. Brief explanation on Construction Site Pollutant Control reporting . *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page*.

Missing Information

Do not close your work until you **SAVE.**

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Minimum Control Measures - Section 5 : Complete

5. Post-Construction Storm Water Management

a. How many new structural storm water management Best Management Practice (BMP) have received local approval ? 9

*Engineered and constructed systems that are designed to provide storm water quality control such as wet detention ponds, constructed wetlands, infiltration basins, grassed swales, permeable pavement,

b. Does the MS4 have procedures for inspecting and maintaining private storm water facilities? ◉ Yes ○ No

c. If Yes, how many privately owned storm water management facilities were

inspected in the reporting year ? Inspections completed by private landowners should be included in the reported number. 12

d. Does the municipality utilize privately owned storm water management BMP in its pollutant reduction analysis? ○ Yes ◉ No

e. Does MS4 have maintenance authority on these privately owned BMPs?
○ Yes ○ No

f. What types of enforcement actions does the municipality have available to compel compliance with the regulatory mechanism? Check all that apply and enter the number of each used in the reporting year.

☑ Verbal Warning	0
☑ Written Warning (including email)	0
☑ Notice of Violation	0
☑ Civil Penalty/ Citation	0
☑ Forfeiture of Deposit	0
☑ Complete Maintenance	0
☑ Bill Responsible Party	0
☐ Other - Describe below	

g. Brief explanation on Post-Construction Storm Water Management reporting . *If marked 'Unsure' on any questions above, justify your reasoning. Limit your response to 250 characters and/or attach supplemental information on the attachments page*.

Missing Information

Do not close your work until you **SAVE.**

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (R8/2021)

Minimum Control Measures - Section 6 : Complete

6. Pollution Prevention

Storm Water Management Best Management Practice Inspections ☐ Not Applicable

a. Enter the total number of "municipally owned" (i.e., publicly owned BMPs) or operated (i. e., privately o wned BMPs) structural storm water management best management practices. 33

b. How many new municipally owned storm water management best management practices were installed in the reporting year ? 2

c. How many municipally owned (public) storm water management best management practices were inspected in the reporting year? 27

d. What elements are looked at during inspections (250 character limit)?

Trash/Debris, Invasive Species, Erosion, Accumulated Sediment, Structural Condition, Embankment, Inlet/Outlet

e. How many of these facilities required maintenance? 21

f. Brief explanation on Storm Water Management Best Management Practice inspection reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page*.

Public Works Yards & Other Municipally Owned Properties that require a stormwater pollution prevention plan (SWPPP)* ☐ Not Applicable

g. How many municipal properties require a SWPPP? 2

h. How many inspections of municipal properties have been conducted in the reporting year? 0

i. Have amendments to the SWPPPs been made?

○ Yes ◉ No

j. If yes, describe what changes have been made. Limit response to 250 characters and/or attach supplemental information on the attachment page:

k. Brief explanation on Storm Water Pollution Prevention Plan reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*

* Any municipally owned property that has the potential to generate stormwater pollution should have a SWPPP. For example, if a municipal property stores compost piles, material storage, yard wastes, etc., outside and can contaminate stormwater runoff—a SWPPP is required.

Collection Services - *Street Sweeping Program* ☐ Not Applicable

l. Did the municipality conduct street sweeping during the reporting year?

◉ Yes ○ No

m. If known, how many tons of material was removed? 505

n. Does the municipality have a low hazard exemption for this material? ○ Yes ◉ No

o. If street sweeping is identified as a storm water best management practice in the pollutant loading analysis, was street cleaning completed at the assumed frequency?

◉ Yes - Explain frequency average once every 2 weeks. 2777 miles swept

○ No - Explain _____

○ Not Applicable

Collection Services - *Catch Basin Sump Cleaning Program* ☐ Not Applicable

p. Did the municipality conduct catch basin sump cleaning during the reporting year? ◉ Yes ○ No

q. How many catch basin sumps were cleaned in the reporting year? 305

r. If known, how many tons of material was collected? 16

s. Does the municipality have a low hazard exemption for this material? ○ Yes ◉ No

t. If catch basin sump cleaning is identified as a storm water best management practice in the pollutant loading analysis, was cleaning completed at the assumed frequency?

◉ Yes- Explain frequency Average every 2 years

○ No - Explain _____

○ Not Applicable

Collection Services - *Leaf Collection Program* ☐ Not Applicable

u. Does the municipality conduct curbside leaf collection? ◉ Yes ○ No

v. Does the municipality notify homeowners about pickup? ◉ Yes ○ No

w. Where are the residents directed to store the leaves for collection?

☐ Pile on terrace ☐ Pile in street ☑ Bags on terrace

☐ Other - Describe _____

x. What is the frequency of collection?

citywide over 3 weeks

y. Is collection followed by street sweeping? ◉ Yes ○ No

z. Brief explanation on Collection Services reporting. *Limit response to 250 characters and/or attach supplemental information on the attachments page*

Winter Road Management ☐ Not Applicable

*Note: We are requesting information that goes beyond the reporting year, answer the best you can.

aa. How many lane-miles of roadway is the municipality responsible for doing snow and ice control? (*One mile of a two-way road equals two lane miles*.) 117

ab. Provide amount of de-icing products used by month last winter season?

Solids (tons) (ex. sand, or salt-sand)

Product	*Oct*	*Nov*	*Dec*	*Jan*	*Feb*	*Mar*
Salt	0	15	40	100	105	0
Sand	0	0	20	50	60	0

Liquids (gallons) (ex. brine)

	Oct	*Nov*	*Dec*	*Jan*	*Feb*	*Mar*
Brine	0	0	13000	5000	8600	0

ac. Was salt applying machinery calibrated in the reporting year? ◉ Yes ○ No

ad. Have municipal personnel attended salt reduction strategy training in the reporting year? ◉ Yes ○ No

Training Date	*Training Name*	*# Attendance*
10/23/2024	SaltWise-Fitchburg	2

ae. Brief explanation on Winter Road Management reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page*

training on salt use and calibration for snow plowing

Internal (Staff) Education & Communication

af. Has the municipality provided an opportunity for internal training or education to staff implementing the municipality's procedures for each of the pollution prevention program element ? ◉ Yes ○ No

If yes, describe what training was provided (250 character limit):

BMP Maintenance

ag. Describe how the municipality has kept the following local officials and municipal staff aware of the municipal storm water discharge permit programs, procedures and pollution prevention program requirements.

Elected Officials

Agenda items and staff reports at Public Works Committee comprised of three out of seven councilpersons

Municipal Officials

Regular staff meetings and biweekly project meetings

Appropriate Staff (such as operators, Department heads, and those that interact with public)

morning meetings before work starts

ah. Brief explanation on Internal Education reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*

Missing Information

Do not close your work until you **SAVE.**

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Minimum Control Measures - Section 7 : Complete

7. Storm Sewer System Map

a. Did the municipality update their storm sewer map this year?

○ Yes ◉ No

If yes, check the areas the map items that got updated or changed:

☐ Storm water treatment facilities

☐ Storm pipes

☐ Vegetated swales

☐ Outfalls

☐ Other - Describe below

b. Brief explanation on Storm Sewer System Map reporting. *If you marked Unsure for an question for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page*.

Missing Information

Do not close your work until you SAVE.

Form 3400-224 (R8/2021)

Final Evaluation - Complete

Fiscal Analysis

Complete the fiscal analysis table provided below. For municipalities that do not break out funding into permit program elements, please enter the monetary amount to your best estimate of what funding may be going towards these programs.

Annual Expenditure Reporting Year	**Budget** Reporting Year	**Budget** Upcoming Year	**Source of Funds**
Element: Public Education and Outreach			
47659	41620	46056	Storm water utility
Element: Public Involvement and Participation			
47659	41620	46056	Storm water utility
Element: Illicit Discharge Detection and Elimination			
45033	39020	43456	Storm water utility
Element: Construction Site Pollutant Control			
45033	39020	43456	Storm water utility
Element: Post-Construction Storm Water Management			
89027	88491	85186	Storm water utility
Element: Pollution Prevention			
32780	30060	32077	Storm water utility
Other (describe)			
			Select...

Please provide a justification for a "0" entered in the Fiscal Analysis. *Limit response to 250 characters*.

Water Quality

a: Were there any known water quality improvements in the receiving waters to which the

municipality's storm sewer system directly discharges to?
○ Yes ◉ No ○ Unsure If Yes, explain below:

b : Were there any known water quality degradation in the receiving waters to which the municipality's storm sewer system directly discharges to?
○ Yes ◉ No ○ Unsure If Yes, explain below:

c: Have any of the receiving waters that the municipality discharges to been added to the impaired waters list during the reporting year?
○ Yes ◉ No ○ Unsure

d: Has the municipality evaluated their storm water practices to reduce the pollutants of concern?
○ Yes ◉ No ○ Unsure

Storm Water Quality Management

a. Has the municipality completed or updated modeling in the reporting year (relating to developed urban area performance standards of s. NR 151.13(2)(b)1., Wis. Adm. Code)? ○ Yes ◉ No

b. If yes, enter percent reduction in the annual average mass discharging from the entire MS4 to surface waters of the state as compared to implementing no storm water management controls:

Total suspended solids (TSS)

Total phosphorus (TP)

Additional Information

Based on the municipality's storm water program evaluation, describe any proposed changes to the municipality's storm water program. *If your response exceeds the 250 character limit, attach supplemental information on the attachments page.*

Missing Information

Do not close your work until you SAVE.

Form 3400-224 (R8/2021)

Requests for Assistance on Understanding Permit Programs

Would the municipality like the Department to contact them about providing more information on understanding any of the Municipal Separate Storm Sewer Permit programs?

Please select all that apply:

- ☐ Public Education and Outreach
- ☐ Public Involvement and Participation
- ☐ Illicit Discharge Detection and Elimination
- ☐ Construction Site Pollutant Control
- ☐ Post-Construction Storm Water Management
- ☐ Pollution Prevention
- ☐ Storm Water Quality Management
- ☐ Storm Sewer System Map
- ☐ Water Quality Concerns
- ☐ Compliance Schedule Items Due
- ☐ MS4 Program Evaluation

Do not close your work until you **SAVE.**

Form 3400-224(R8/2021)

Required Attachments and Supplemental Information

Any other MS4 program information for inclusion in the Annual Report may be attached on here. Use the Add Additional Attachments to add multiple documents.

Upload Required Attachments (15 MB per file limit) - Help reduce file size and trouble shoot file uploads
*Required Item

Note: To replace an existing file, use the 'Click here to attach file ' link or press the to delete an item.

Attach - Other Supporting Documents

AR_SWGroupReport

File Attachment — 2024 Annual Report - Condensed - FINAL.pdf

AR_SWGroupReport

File Attachment — 2024 FINAL - MS4 Permit Reporting Tables - MS4 Event Tables.pdf

AR_IP

File Attachment — 2024 FINAL - MS4 Permit Reporting Tables - Volunteer Activities - Clean Up.pdf

AR_CSPC

File Attachment — 2024 Erosion Control Inspection Summary.pdf

AR_IDDE

File Attachment — City of Whitewater - IDDE Outfall Inspections 2024.pdf

AR_PCSSW

File Attachment — Whitewater Private BMP Folllow Up Inspections - July-2024pdf.pdf

AR_PCSSW

File Attachment — Public Storm Water BMP.xlsx

(To remove items, use your cursor to hover over the attachment section. When the drop down arrow appears, select remove item)

Attach - Permit Compliance Documents

(To remove items, use your cursor to hover over the attachment section. When the drop down arrow appears, select remove item)

Missing Information

Draft and Share PDF Report with the permittee's governing body or delegated representatives.

Press the button below to create a PDF. The PDF will be sent to the email address associated with the WAMS ID that is signed in. After the annual report has been reviewed by the governing body or delegated representative, return to the MS4 eReporting System to submit the final report to the DNR.

Draft and Share PDF Report

Do not close your work until you **SAVE.**

Form 3400-224(R8/2021)

Sign and Submit Your Application

Steps to Complete the signature process

1. Read and Accept the Terms and Conditions
2. Press the Submit and Send to the DNR button

NOTE: For security purposes all email correspondence will be sent to the address you used when registering your WAMS ID. This may be a different email than that provided in the application. For information on your WAMS account click HERE .

Terms and Conditions

Certification: I hereby certify that I am an authorized representative of the municipality covered under Whitewater, City MS4 Permit for which this annual report or other compliance document is being submitted, and that the information contained in this submittal 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.

Signee (must check current role prior to accepting terms and conditions)

- ○ Authorized municipal contact using WAMS ID.
- ○ Delegation of Signature Authority (Form 3400-220) for agent signing on the behalf of the authorized municipal contact.
- ○ Agent seeking to share this item with authorized municipal contact (authorized municipal contact must get WAMS id and complete signature).

Name:	
Title:	

Authorized Signature.

☐ I accept the above terms and conditions.

After providing the final authorized signature, the system will send an email to the authorized party and any agents. This email will include a copy to the final read only version of this application.

2024 Final Report

Table of Contents

2024 Highlights

Annual Report 2024 Metrics Highlight

In 2024, the Protect Wisconsin Waterways (Rock River Stormwater Group) focused on organic and partner-driven digital reach and had an **in-person presence at 38 events** (including the clean-ups). Tabling and other activities at in-person events **engaged 1,529+ individuals**. The Protect Wisconsin Waterways annual cleanup held in September included a record **295 volunteers** across **10 locations**. Combined with Protect Wisconsin Waterways' digital outreach efforts (website, email, social media), the RRSG + community partner outreach resulted in over **297,000+ digital impressions** (not including the statewide WI Stormwater Week efforts).

The 2025 outreach efforts include continuing an active presence at in-person events to recruit additional Storm Drain Protectors (adopt-a-storm drain program). RRSG also intends to continue offering mini-grants while expanding support and collaboration with key partners (e.g., Rock River Coalition, SaltWise, Statewide Stormwater Consortium) to implement additional stormwater-related projects and outreach in RRSG member communities.

Total Digital Outreach Summary Statistics – Year Over Year

Combined Digital Outreach	2024	2023	2022	2021
Total Impressions	297,000+	289,000+	277,900+	228,733+

**Note: Combined impressions include RRSG metrics + data provided by community partners related to social media posts, email messages, etc. (e.g., chambers of commerce, partner alliances, and others). 2023 and 2024 impressions do not include the reach of Wisconsin Stormwater Week posts.*

Website & Storm Drain Protector Summary Statistics – Year Over Year

Website Metrics	2024	2023	2022	2021
Total Visits	33,776	17,996	8,412	8,010
Storm Drain Protector Program	295	125	218	241

**Note: 2021 numbers reflect online-only efforts.*

Event Summary Statistics – Year Over Year

Event Metrics	2024	2023	2022	2021*	2020*
Total Events	38	37	32	20	-
Total Event Reach/Impressions	1,529+	1,441+	1,697+	2,360+	-
Total Community Events	38	37	32	20	-
Total Community Event Reach	1,529+	1,441+	1,697+	2,360+	-

**Note: All in-person events were canceled in 2020; in-person events resumed in May 2021.*

Clean-Up Summary Statistics – Year Over Year							
Clean-Up Metrics	**2024**	**2023**	**2022**	**2021**	**2020***	**2019**	**2018**
Total Volunteers	295	257	201	187	-	196	130
Total Trash Collected	194	166+ bags + other items	80+ bags + other items	200+ bags + other items	-	151+ bags + other items	37+ bags + other items

**Note: The 2020 clean-up was canceled due to COVID. Other items include tires, large pieces of metal, or other debris that is too large or heavy to fit inside a trash bag.*

Facebook Summary Statistics – Year Over Year					
	2024 1,139 Followers 267 Posts	**2023** 1,083 Followers 235 Posts	**2022*** 1,007 Followers 104 Posts	**2021** 897 Followers 119 Posts	**2020** 802 Followers 143 Posts
Page Reach *(# unique accounts reached)*	28,122	26,535	3,201	n/a	n/a
Facebook Page Visits *(# of times profile page visited)*	4,200	2,258	652	n/a	n/a

** Meta changed available metrics for (Facebook) Business Accounts and content in 2022. Similar metrics are not available for direct comparison to previous years.*

Instagram Summary Statistics – Year Over Year					
	2024 1,201 Followers 213 Posts	**2023** 1,167 Followers 189 Posts	**2022*** 1,078 Followers 129 Posts	**2021** 1,019 Followers 89 Posts	**2020** 901 Followers 82 Posts
Instagram Reach *(# unique accounts reached)*	**8,335**	**4,806**	**1,890**	**n/a**	**n/a**
Instagram Profile Visits *(# of times profile page visited)*	**704**	**1,136**	**1,064**	**n/a**	**n/a**

** Meta changed available metrics for (Facebook) Business Accounts and content in 2022. Similar metrics are not available for direct comparison to previous years.*

2024 Year-in-Review

Introduction

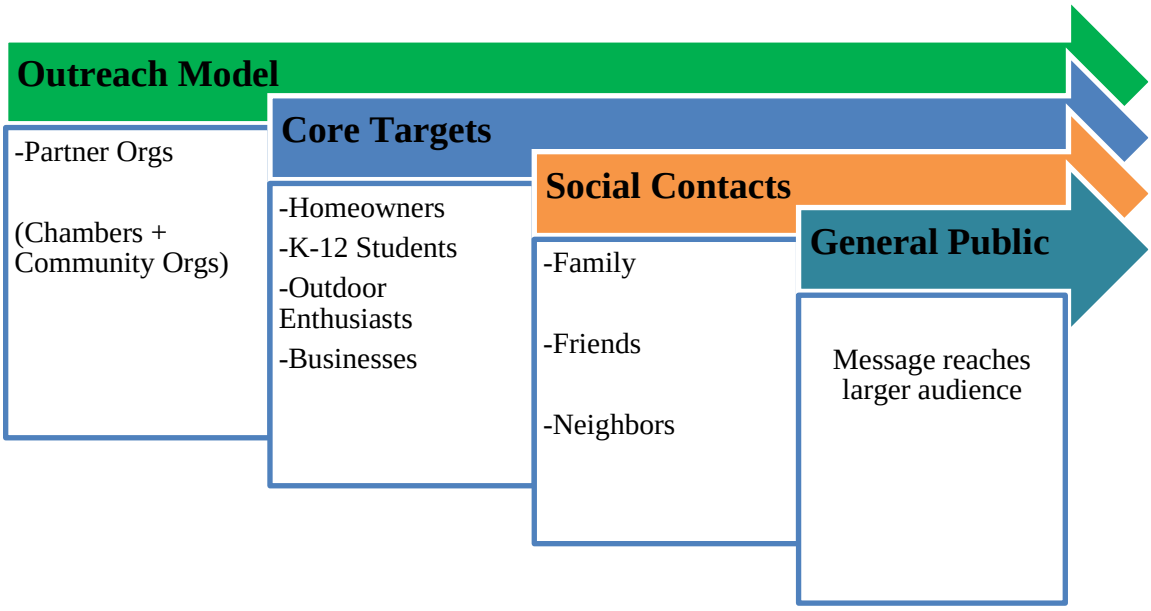
The following document provides an overview of the Rock River Stormwater Group's (RRSG) public education and outreach activities (branded as Protect Wisconsin Waterways) as part of regional stormwater public education and outreach during the 2024 calendar year.

The Protect Wisconsin Waterways regional stormwater public education efforts had a presence at **38 in-person events** in 2024. Community-based events included farmer's markets, festivals near downtown areas or along waterways, and other events organized by community partners. Protect Wisconsin Waterways also sponsored nine waterway clean-up events on September 21st, 2024, and one waterway clean-up event on September 28th, 2024 (**10 total waterway clean-ups**) that engaged **295 volunteers**. Each event contributed to active education efforts for the general public. We also funded **two mini-grant programs** related to public education efforts in 2024, including The Green-Rock Audubon and the Whitewater Creek Coalition. The RRSG also contributed to the strategic planning and implementation of the **second annual statewide Wisconsin Stormwater Week**. This includes funding and support for the Stormwater Week website and securing the Governor's Proclamation.

On a digital front, RRSG maintained partnership efforts through various community-based organizations. Stormwater-focused communications shared through these organizations, plus Protect Wisconsin Waterway's social media efforts, resulted in over **297,000+ digital impressions**. In combination, the efforts helped the Protect Wisconsin Waterways brand increase the reach of public education efforts compared to the 2023 efforts.

Target Audiences & Outreach Communication Model

Protect Wisconsin Waterways' outreach and communication plan in 2024 focused on leveraging partnerships with community-based organizations to help engage our core targets, their social contacts, and, by extension, the general public. The continuation of the mini-grant program created additional outreach to a variety of community organizations.



Initiative #1: Digital Brand Awareness & Community Partnerships

Community Partners: Expanding on existing brand awareness through establishing and maintaining community partnerships is a crucial strategy for Protect Wisconsin Waterways to enhance its outreach and impact. By building strong relationships with local organizations, environmental groups, schools, and businesses, PWW can strengthen its presence within communities across Wisconsin. These partnerships help raise awareness about the importance of preserving water resources and foster collaborative efforts in environmental education, advocacy, and clean-up initiatives. Maintaining these partnerships will ensure that PWW remains a trusted and visible leader in waterway protection, amplifying its message and mobilizing more individuals to take action to safeguard Wisconsin's precious waterways for future generations.

In addition to maintaining ongoing sponsorships/partnerships with WI SaltWise and the Rock River Coalition, RRSG digital outreach efforts occurred via chambers, community organizations, and other local groups. Their outreach through social media is a crucial aspect of this advocacy, enabling them to reach a broader and more diverse audience. Using platforms like Facebook and Instagram, RRSG shares educational content, updates on local water quality issues, and details of upcoming events or clean-up initiatives. Social media also facilitates real-time communication, allowing RRSG to engage directly with community members, answer questions, and encourage participation in waterway protection efforts. Moreover, it helps create a sense of community, rallying support from individuals who might not otherwise have been involved. By maintaining an active and engaging presence online, RRSG amplifies its impact and fosters a network of informed citizens who are committed to protecting and preserving local water resources.

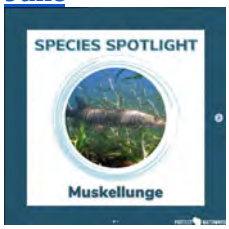
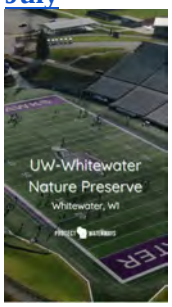
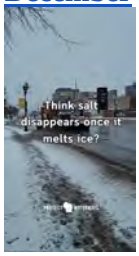
Social Media: In 2024, we continued our Protect Wisconsin Waterways social media campaign on Facebook and Instagram. Content highlighted MS4-related topics, Myth/Facts, "Featured Municipality of the Month" to showcase the waterways within the cities/townships in the Rock River watershed, and other content series. Social media efforts on the Protect Wisconsin Waterways' Facebook and Instagram pages included over **36,457 impressions** across a total of **480 posts**.

Monthly Content Calendar

Month	**Theme**	**Municipality**
January	Pollution Prevention Education	Watertown
February	Snow Melt Runoff	City of Beloit
March	Construction Site and Post-Construction Stormwater Management	Fort Atkinson
April	Green Infrastructure & Low Impact Development	Milton
May	Fertilizer Pesticide Application	Town of Beloit
June	Residential Infiltration	Janesville
July	Yard and pet waste management	Whitewater
August	Household and Hazardous Waste Disposal	Waupun
September	Vehicle Washing	Beaver Dam
October	Stream and Shoreline Management	Monroe
November	Illicit Discharge Detection and Elimination	Jefferson
December	Salt Use	Townships of Janesville, Rock, Turtle, Harmony

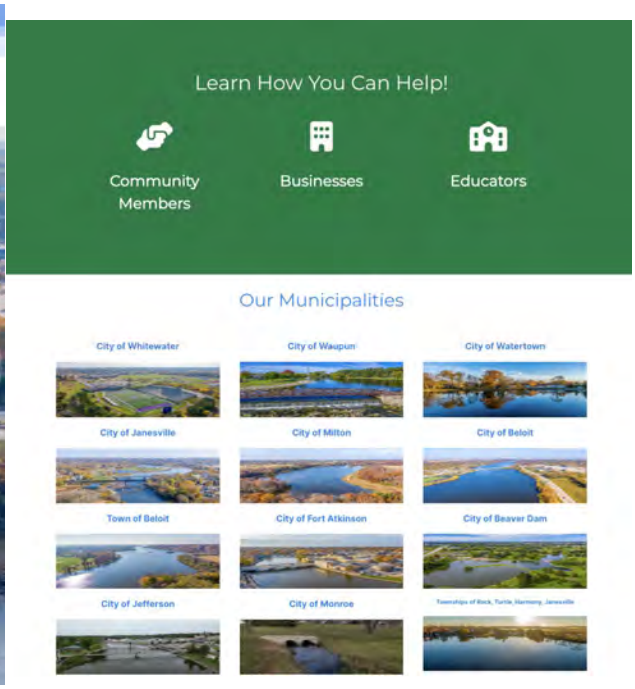
Example posts related to RRSG activities.

Top post from every month in 2024

January  Outreach: 251 accounts	**February**  Outreach: 237 accounts	**March**  Outreach: 219 accounts
April  Outreach: 204 accounts	**May**  Outreach: 198 accounts	**June**  Outreach:: 175 accounts
July  Outreach: 282 accounts	**August**  Outreach: 494 accounts	**September**  Outreach: 153 accounts
October  Outreach: 136 accounts	**November**  Outreach: 112 accounts	**December**  Outreach: 2,954 accounts

Website:

The group undertook a comprehensive redesign of the Protect Wisconsin Waterways website to better align with our new initiatives and address the evolving needs of our community. The updated site features enhanced navigation and a user-friendly interface, making it easier for visitors to access vital information about our programs and municipalities. We introduced dedicated pages for our initiatives, including expanded resources for the mini-grant program, storm drain protector program, annual clean-up, household waste management, and more. HubSpot lead forms helped track engagement and sign-ups for the storm drain protector program, clean-up registration, and more. Overall, our efforts led to a significant increase in engagement, with total website visits for 2024 reaching 33,776.



Initiative #2: Outreach & Engagement via Community Events

Storm Drain Protector Program:
The Storm Drain Protector Program was initially launched in 2019 to engage homeowners with storm drains adjacent to their property. The program aims to raise awareness among municipal residents of the nature of stormwater and what they should look for to preserve water quality. We ask homeowners to sign up to become "storm drain protectors" and pledge to keep their storm drains clear of leaves, grass clippings, and other debris. The 2024 efforts included online sign-ups at our tabling events, door-to-door interactions, and social media content.
2024 Storm Drain Protector Sign-ups (digital + in-person): 295 total sign-ups (24 in-person + 271 digital sign-ups)

Community Events:
Volunteers represented the Protect Wisconsin Waterways brand at **38 total community events** (including the 10 clean-ups). Tabling included distributing brochures and information about different MS4-related topics, highlighting the storm drain protector program and clean-ups, and activities like the Enviroscape and Stormwater ARound Your Home demonstrations. In combination, the brand ambassador volunteers **engaged 1,529+ individuals** (including the 295 volunteers at the clean-ups) across the 2024 events as outlined in the table.

Annual Waterway Clean-Up: RRSG municipalities hosted **ten waterway clean-up events** in parks across the area on Saturday, September 21st, 2024, and Sunday, September 28th, 2024. We had **295 volunteers** participate in the 2024 clean-up events.

Community Engagement Event Reports

Event	City	Date	# of People Engaged
Waupun Ice Festival	Waupun	February 17, 2024	100+
Storytime with Splash	Whitewater	April 10, 2024	12
Jefferson Sustainable Open House	Janesville	April 18, 2024	62
Sustainable Jefferson	Jefferson	April 20, 2024	40
Earth Day Celebration	Janesville	April 21, 2024	40
RA Earth Day Event	Whitewater	April 22, 2024	10
Downtown DBDI Cleanup & Annual Tree Planting	Beaver Dam	April 27, 2024	2
Sustainable Living Fair	Janesville	April 27, 2024	79
Beaver Dam Farmers Market	Beaver Dam	May 25, 2024	57
Beaver Dam Farmers Market	Beaver Dam	June 1, 2024	15
Watertown Farmers Market	Watertown	June 11, 2024	40
Best Dam Fest	Beaver Dam	July 13, 2024	40
Beloit Farmers Market	Beloit	July 27, 2024	48
Whitewater Farmers Market	Whitewater	August 6, 2024	44
Beloit Farmers Market	Beloit	August 10, 2024	25
Whitewater Farmers Market	Whitewater	August 13, 2024	10
Fort Atkinson Farmers Market	Fort Atkinson	August 17, 2024	31
Watertown Evening Market	Watertown	August 22, 2024	34
Janesville Farmers Market	Janesville	September 14, 2024	70
Door-to-door	Janesville	September 15, 2024	40 Houses
Clean-ups (see table below)	10 locations	September 21 & 28, 2024	295 volunteers
Cheese Days	Monroe	September 22, 2024	55
Watertown Evening Market	Watertown	September 26, 2024	30

Whitewater Farmers Market	Whitewater	October 1, 2024	25
Lakes Summit Event	Whitewater	October 2, 2024	20
Whitewater Farmers Market	Whitewater	October 8, 2024	3
Whitewater Ghouls Night	Whitewater	October 24, 2024	110
Watertown Boo Bash	Watertown	October 26, 2024	160
Rock River Coalition Confluence Event	Fitchburg	November 9, 2024	35
TOTAL		**38 events**	**1,529+ people reached**

2024 Waterway Clean-Ups Table

City	Time	Location	Volunteers	Trash bags
Waupun	8-10 am	Shaler Park	47 volunteers	18 trash bags
Beaver Dam	8 am-10 am	Waterworks Park	12 volunteers	13 trash bags
Watertown	9 am -11 am	Riverside Park	23 volunteers	14 trash bags
Fort Atkinson	9 am-12 pm	Barrie Park	32 volunteers	17 trash bags
Whitewater	8 am-10 am	Cravath Lakefront Park	59 volunteers	40 trash bags
Milton	8 am-10 am	Schilberg Park	19 volunteers	17 trash bags
Janesville	10 am-12 pm	Monterey Park	48 volunteers	40 trash bags
Town of Beloit	10 am-12 pm	Preservation Park	24 volunteers	15 trash bags
City of Beloit	8 am-10 am	Rotary River Center	22 volunteers	17 trash bags
Monroe (9/28)	10 am-12 pm	Twinning Park	9 volunteers	3 trash bags
TOTAL			**295 volunteers**	**194+ trash bags**

Initiative #3: RRSG Mini-Grant Program

Mini-Grant 2024:

In 2022, Protect Wisconsin Waterways launched the Mini-Grant program to engage community organizations and help spread awareness of protecting and keeping our local waterways clean. The program encourages community organizations and other eligible groups to apply for project funding of up to $5,000 related to stormwater public education efforts.

In addition to promoting on the Protect Wisconsin Waterways website and social media, outreach occurred to community organizations in each RRSG community. In 2024, we funded two applicants: Green-Rock Audubon and the Whitewater Creek Coalition. The funded applications are included as an appendix at the end of this document.

Initiative #4: Municipal Worker & Other Trainings

The RRSG provides all members access to an online library of training resources (i.e., videos and other materials) on different stormwater topics. Each January, we encourage members to provide DPW and other employees with time to complete relevant training. Our continued partnership and sponsorship of Salt Wise also offer additional training opportunities and workshops specific to salt use, equipment calibration, and related topics. We also promoted SaltWise workshops to the business community through our Chamber of Commerce connections. Municipal members also send employees to other training.

Municipal training resources include coverage of the following topics.

- Spill Prevention Control Countermeasure (SPCC)
- Stormwater MS4 'Rain Check'
- Stormwater Construction 'Ground Control'
- Stormwater 'Storm Watch' Municipal
- IDDE 'A Grate Concern' Employee Training

The Rock River Coalition conducted volunteer stream monitoring training in Rock County and Watertown in collaboration with local conservation departments.

Monitoring Sites Within 10 Miles of RRSG Member Municipalities

Municipality	Number of Sites	Waterbodies Monitored
Beaver Dam	5	Beaver Dam River, Beaver Creek, Mill Creek, Unnamed Tributary to Lake Sinissippi (WBIC 5031431)
Beloit	2	Spring Brook, Turtle Creek
Fort Atkinson	4	Allen Creek, Bark River, Unnamed Tributary to Rock River (WBIC 813400), Unnamed (809000) north of Rockdale Rd
Janesville	3	Blackhawk Creek, Spring Brook
Jefferson	8	Lake Ripley inlet and outlet, Rock Creek, Johnson Creek
Milton	3	Otter Creek, Saunders Creek
Watertown	3	Silver Creek, Riverside Park Creek, Rock River
Waupun	4	Alto Creek, Drew Creek, South and West Branches of the Rock River
Whitewater	4	Bark River, Whitewater Creek, Spring Brook Creek, Bluff Creek

Beloit Rain Barrel Workshops: Two workshops were held on April 6 and June 8, 2024, at the City of Beloit Utilities and Engineering Facility. The Rock River Coalition staff led 45-minute water conservation and stormwater management presentations, followed by rain barrel assembly demonstrations. Over 100 participants attended, with 55 rain barrels distributed. **Beaver Dam Rain Barrel Workshop**: Held on April 13, 2024, at The Watermark, the workshop included similar presentations and hands-on assembly sessions with 45 participants and 24 rain barrels.

Initiative #5: Pet Waste Management Outreach

Protect Wisconsin Waterways prioritized pet waste management through strategic partnerships with municipalities and pet-related businesses in our ongoing mission to enhance water quality and prevent pollution in Wisconsin's waterways. Recognizing that pet waste left on the ground can introduce harmful bacteria, nitrogen, and phosphorous into our water systems, we launched an educational initiative to raise awareness and provide tools to encourage responsible waste disposal practices among pet owners. As part of this initiative, we distributed **2,000+ pet waste bag dispensers** along with an infographic to municipal buildings and pet-related businesses. The materials explained how harmful pet waste left on the ground can be to our waterways and environment. Providing free pet waste dispensers has allowed businesses to equip customers with dispensers free of charge. These resources make it easier for community members to play an active role in reducing pet waste in our waterways.

Initiative #6: Library Package

Protect Wisconsin Waterways started a *Splash into Learning Library Package* for the municipality libraries. The program included an informative display and a donation of 11 books to the libraries for residents to check out, bookmarks featuring a community waterway photo, children's activities, and the opportunity to make "raindrop" pledges to keep our waterways clean. Libraries also had the opportunity to schedule an appearance by our Splash mascot for a storytime! The program is designed to get kids excited about reading, learn more about stormwater pollution, and discover things they can do around their homes to make a positive impact on Wisconsin's waterways. List of books provided to each library included:

- Landscaping with Native Plants of Wisconsin
- We are Water Protectors
- The Great Big Water Cycle Adventure
- All the Way To the Ocean
- Hello from Renn Lake
- Saving Tally
- Let's Build a Rain Garden
- Me and Marvin Gardens
- Two Little Raindrops
- Zoey and Sassafras Merhorses and Bubbles
- Plasticus Maritimus and Invasive Species

Initiative #7: BMP Brochures & Municipal Materials

The group also developed a brochure series highlighting various best management practices (BMPs) for distribution to property owners by RRSG member municipalities. The brochures covered topics including:

- Biofilter - Bioretention
- Dry Detention Pond
- Pervious Pavement
- Proprietary Device
- Underground Detention
- Vegetated Swale
- Wet Detention Pond

2024 Activities & RRSG's Public Education & Outreach Goals

The following section outlines the relationship between RRSG's specific activities and accomplishments to the group's public education and outreach goals.

Goal 1 - Illicit Discharge Detection and Elimination: Promote detection and elimination of illicit discharges and water quality impacts associated with such discharges from municipal separate storm sewer systems.

1. Illicit Discharge was the November monthly theme for social media and the e-newsletter, the Runoff Rundown. Posts were made identifying illicit discharge and what to do if they see it happening.
2. A "Report a Violation" tab was added to the website, allowing users to report illicit discharge violations in 2017. No "violations" were reported via the website in 2024.

Goal 2 - Household Hazardous Waste Disposal/Pet Waste/Management/Vehicle Washing: Inform and educate the public about the proper management of materials that may cause stormwater pollution from sources including automobiles, pet waste, household hazardous waste and household practices.

1. The social media monthly theme in May, June, July, August, and September aligns with the discussion of proper management for automobiles, pet waste, and household practices. Most other monthly themes also included information on how community members could improve their household practices.
2. Our informational brochures for the Storm Drain Protector Program included information on how to protect the waterways from one's home. We have continued our Be Wise campaigns surrounding this content.
3. Clean-up events were held on September 21st, 2024 (nine locations), and September 28th, 2024 (Monroe).

Goal 3 - Yard Waste Management/Pesticide and Fertilizer Application: Promote beneficial onsite reuse of leaves and grass clippings and proper use of lawn and garden fertilizers and pesticides.

1. Our monthly themes in May and July were fertilizer/pesticide application and pet/yard waste such as lawn clippings, waste disposal, and leaves, respectively.
2. "Lawn Wise" and "Yard Wise" digital content were created to share key tips and best practices that help homeowners "Be Wise" and Protect Wisconsin Waterways.
3. A new "Lawn Wise" demonstration model and educational materials were created in collaboration with the Rock River Coalition.

Goal 4 - Stream and Shoreline Management: Promote the management of streambanks and shorelines by riparian landowners to minimize erosion and restore and enhance the ecological value of waterways.

1. Our monthly theme in October was stream and shoreline management where we discussed the best practices to benefit and help stream and shorelines.

Goal 5 - Residential Infiltration: Promote infiltration of residential stormwater runoff from rooftop downspouts, driveways, and sidewalks.

1. The monthly theme in June promoted better systems to allow more infiltration of residential stormwater.
2. The "Yard Wise" or "Lawn Wise" graphics were created to expand on this concept, during the fall months when leaves can be prevalent.
3. A new "Lawn Wise" demonstration model and educational materials were created in collaboration with the Rock River Coalition.

Goal 6 - Construction Sites and Post-Construction Storm Water Management: Inform and educate those responsible for the design, installation, and maintenance of construction site erosion control practices and stormwater management facilities on how to design, install and maintain the practices.

1. Our monthly theme for March was Construction Sites and Post Construction Storm Water Management.
2. By working with municipal representatives, we gathered information about different erosion control practices.

Goal 7 - Pollution Prevention: Identify businesses and activities that may pose a stormwater contamination concern, and educate those specific audiences on methods of stormwater pollution prevention.

1. Pollution Preventions was our theme for January.
2. Educational efforts focused on community members and homeowners discussing various possible pollutants that they can help prevent from entering the waterways.
3. RRSG members had municipal/DPW employees complete online training via our Excal video library, Salt Wise, and Fortin virtual training.

Goal 8 - Green Infrastructure/Low Impact Development: Promote environmentally sensitive land development designs by developers and designers, including green infrastructure and low-impact development.

1. Green Infrastructure/Low Impact Development was April's monthly theme.
2. By promoting things like rain gardens and educating people on erosion control, we promoted environmentally sensitive land development.
3. Rain barrel workshops were held in collaboration with the Rock River Coalition.

Water Quality Education and Involvement Mini-Grant Application

Applicant Information

Name: Jeff Weigel

Title: Chairperson, Whitewater Creek Coalition

Email: friendsofwhitewatercreek@gmail.com

Phone Number: (715) 966-6067

Organization Name: Whitewater Creek Coalition

Organization Address: 216 North Park Street Whitewater, WI 53190

Organization Website (If Applicable): We do not yet have a website, but will be developing one as a chapter of the Rock River Coalition

Organization Description:

The Whitewater Creek Coalition (WCC) is a community organization dedicated to improving the quality of life in Whitewater by restoring and protecting Whitewater Creek, enhancing recreational opportunities in and around it, and educating the public about our local watershed.

Project Information

Project Title: Developing Water Warriors; inspiring a community to protect its local waterway.

Amount Requested: $1743.74

Municipality: Whitewater, WI

Project Description:

If awarded, grant funds will be utilized to print and distribute the educational resources listed below, which will be developed in collaboration with University of Wisconsin-Whitewater (UWW) Marketing students. All materials will be designed to raise awareness of our local waterway, educate the public about positive stewardship, and to promote recreational opportunities that contribute to the health of the creek and its watershed. Brochures and flyers will be mailed to homeowners and businesses along the creek corridor, and all materials will be shared at the Tuesday Market and via WCC's Facebook page, website and email list. The WCC will also receive assistance from the UWW Sustainability Group in the form of materials support for clean-up events, and will collaborate with the Whitewater Historical Society to develop a brief history of the creek along with historical photos for use in publications. Finally, the City of Whitewater agrees to allow the WCC's efforts on city property, and to collect trash and

brush removed at clean-up events. No permitting will be required for the scope of this project.

Proposed deliverables:

1.) Tri-fold, color brochure relating the history of Whitewater Creek, water quality data, native and invasive flora and fauna, recreational activities, opportunities for community involvement in restoration efforts, and methods to prevent pollutants.
2.) One-page color flyer describing the Whitewater Creek Coalition, its efforts to protect the creek, and contact details.
3.) Yard signs to be placed at locations selected for WCC clean-up and restoration work. Signs will include WCC's logo and QR codes to access the website and Facebook page.
4.) Color posters promoting volunteer work days. These will be posted in various businesses and locations in town, such as the Library, Sweet Spot Bakehouse, and at the city kiosks.
5.) Printed maps of the creek from its origin at Rice Lake in Kettle Moraine State Forest to the confluence with the Bark River.

Itemized Budget:

500 Color Brochures @ $1.05/copy + $10 fee:	$535.00
500 Color Flyers @ $0.90/copy + $10 fee:	$460.00
50 Event Posters @ $0.94/copy + $10 fee:	$47.00
5 Restoration work "yard signs" @ $49.58/sign:	$247.90
10 24"x18" Maps @ $23.99/pc:	$230.99
500 Envelopes:	$21.99
Postage for targeted mailings:	$109.95
Tax:	$90.91
Total/ Percentage of funding:	$1,743.74/ 54%

In-Kind matching Donations:

UWW Marketing Design:	$1500
Total/ Percentage of funding:	$1500/ 46%

Project Timeline:

May 2024: Finalize educational brochure and WCC flyer. Submit to printer.
***June 2024: Compile a list of property owners along the Whitewater Creek Corridor, and mail brochures and flyers. *(Milestone)**
July 2024: Finalize and print yard signs and event posters. Hang event posters in locations throughout town. Begin weekly work days along the creek, posting yard signs at work locations.
August 2024: Finalize and print aerial maps of the creek, and develop a display for

WCC's table at the Tuesday Market.
Ongoing: Distribute and reference all materials at WCC's booth at the Whitewater Tuesday Market.

Before submitting this application, use the checklist to confirm the proposal meets all requirem

- **Applicant is an eligible organization as described by the Eligibility Section of the RFP.**
- **The proposed project will be implemented in one of the municipalities listed in the Eligibi Section of the RFP.**
- **The applicant will cover at least 25% of the project cost through other funding streams.**
- **The project description describes all aspects mentioned above, including an itemized buc**
- **The project timeline includes a completion date and a suggested mid-term milestone date**
- **The proposed project will be implemented in an accessible space for public education, ar the applicant has all permissions and permits necessary for implementing this project.**

Applicant Signature: _____
Date: 04/01/2024

Water Quality Education and Involvement Mini-Grant

Milestone Report

Awardee Information

Name: Provide the name of the point of contact for this report and project

Email: Provide the email of the point of contact for this report and project

Phone Number: Provide the organizational phone number or the number of the point of contact for this report and project

Organization Name: Provide the name of the organization responsible for this project

Project Information

Project Title: Provide the title of your project

Project Description: Provide a short description of the status of your project. In this answer, please include:

- A description of the milestone that you have met;
- Challenges you are currently facing or that you have overcome;
- Any updates to your project timeline;
- Any expected modifications to the final project deliverables, and how any modifications will allow you to still meet or improve upon your proposed improvements to local water quality and/or habitats.

Water Quality Education and Involvement Mini-Grant Application

Applicant Information

Name: Fred Faessler

Title: Land Manager

Email: fred.faessler53@gmail.com

Phone Number: 608-214-3203

Organization Name: Green-Rock Audubon Society, Inc

Organization Address: P.O. Box 1986 Janesville, WI 53547-1986

Organization Website (If Applicable): https://www.greenrockaudubon.org/

Organization Description: We are dedicated to restoring, preserving and protecting the environment for our and future generations through education, activism and conservancy. We support several public properties with trails, wetlands, native prairie restorations, and river access. Our properties are free and open to the public year round.

Project Information

Project Title: Innovative Nature Based Solution to Improve Water Riparian Wetlands

Amount Requested: $5,000

Municipality: Town of Beloit

Project Description:

Nature based solutions are innovative approaches to water quality improvement for the benefit of the public. They mimic natural processes at a reduced cost to traditional infrastructure. They can treat polluted point and non-point source water, capture sediment, capture nutrients, and reduce flooding.

Using the nature base solution of beaver dam analogs (BDA) at Briggs Wetland located in the Town of Beloit, we aim to recharge groundwater, reduce peak flow, trap sediment, and improve wetland vegetation for pollinators and other wildlife habitat. Utilizing natural materials and little equipment is gentler on the land and can cost 10% of traditional heavy equipment projects. In terms of greenhouse gas emissions, use of natural, locally available materials and minimal mechanical equipment needs also results in a lower carbon footprint. Pairing this benefit with increased carbon sequestration potential in riparian soils, BDAs help mitigate thermal impacts to surface waters due to a changing climate.

Our project has four major goals:

- Engage decision makers about the effectiveness, co-benefits, appropriate locations, and permitting.
- Install nature base solutions to restore the natural hydrology of a riparian wetland.
- Document effects of project through monitoring.
- Communicate results and continue to share project.

This project will restore the hydrology of 5 acres of riparian wetland adjacent to a cold water stream with brook trout. Surface water runoff will be slowed and more widely distributed allowing for more water to percolate into the ground. This will recharge groundwater. As the water travels subsurface in the soil it will be cooled and nutrients removed before entering the trout stream and watershed. Each structure will trap sediment preventing it from entering downstream waters.

The partners for this project to date are: Green Rock Audubon, The Prairie Enthusiasts, Rock River Coalition, Wisconsin Land and Water, U.S. Geological Survey, U.S. Fish & Wildlife Service, The Nature Conservancy, Wisconsin Wetlands Association, and Department of Agriculture, Trade and Consumer Protection. We expect more partners to join as we build momentum.

Marketing
We will use social media, e-blasts, press releases, radio interviews, and announcements in partner newsletters, project website pages on Rock River Coalition's website, and newsletter articles to promote the nature based solution for water improvement and associated webinar and workshop.

Targeted Demographic
The Workshop team is developing a curated list of attendees for the hands on workshop. Attendees will be limited to about 30 individuals along with the facilitators. The list will be diverse to ensure productive dialogue as attendees work in small teams. Participants will represent leaders from local conservation, state conservation, federal conservation, small business, and non-profits.

The virtual workshop will be available to a wider audience. It will be hosted by Wisconsin Land and Water who support 450 land conservation committees with over 370 employees.

Permits and Permissions
We have met with Wisconsin DNR Fisheries, Watershed, and Waterways Permitting. Actual permits have not been submitted yet. Permits will be secured from DNR, Army Corp, and Rock County. A highlight of this project will be one of the first projects to use the soon to be released DNR Hydrologic Restoration Permit. Army Corp Permit will fall under Nationwide Wide Permit 27 for wetland restoration.

Budget $25,000

Monitoring Effectiveness proposal from USGS	$15,000
Staff time (outreach, marketing)	$1,000
Staff time (set up, registration, reports)	$1,000
Food, portable toilet, chair rental, tent	$3,000
Restoration materials (stakes, hand tools)	$5,000

Sponsors and Partners:
Secured
The Nature Conservancy Water Resources Program $10,000
U.S. Fish & Wildlife Service $3,000
The Prairie Enthusiasts (in kind mowing, prescribed fire, monitoring, outreach)
Taylor Conservation, LLC $300
Pheasants Forever $200
Wisconsin DNR $5,000
Wisconsin Land and Water in kind webinar hosting and learning point development
Dane County Land and Water in kind staff time to develop and implement concept
Requested
Alliant Energy Foundation
Stantec
RES
Trout Unlimited

DATCP
Wisconsin Wetlands Association
Morgridge Center for Public Service
Rotary Club of Beloit
QBE North America

Project Timeline:

March-April	Promote and build interest in events through social media, Wisconsin Land and Water Conference, and Wisconsin Wetlands Conference.
May 30	Webinar with Wisconsin Land and Water to frame issue and build audience of decision makers
May – September	Monitor current site conditions for baseline data
	Develop local media coverage plan
September 18	Hands on Workshop to install beaver dam analogs at Briggs Wetland
Sep-Oct	Additional outreach about event
2025	
May – September	Monitor current post installation conditions

We expect to publish a report for the general public and a report for professionals. Future field trips to the site will be coordinated with community partners. As will social media updates and newsletter reports about effectiveness.

Half-way Miletsone: May 30 Webinar hosted by Wisconsin Land and Water

Before submitting this application, use the checklist to confirm the proposal meets all requirements.

- **Applicant is an eligible organization as described by the Eligibility Section of the RFP.**
- **The proposed project will be implemented in one of the municipalities listed in the Eligibility Section of the RFP.**
- **The applicant will cover at least 25% of the project cost through other funding streams.**
- **The project description describes all aspects mentioned above, including an itemized budget.**
- **The project timeline includes a completion date and a suggested mid-term milestone date.**
- **The proposed project will be implemented in an accessible space for public education, and the applicant has all permissions and permits necessary for implementing this project.**

Applicant Signature: Jack Jacobs **Date:** 3-20-2024

11/19/2024
Rock River Coalition
Rain Barrel Workshop, Stream Monitoring and The Confluence Report 2024

2024 Rain Barrel Workshops

Two Beloit Rain Barrel Workshops

These workshops were hosted at the City of Beloit Utilities and Engineering Facility on Saturday, April 6th from 9:30 to 11:30 am, and Saturday, June 8th from 9:30 am to 11:30 am.

The RRC Rain Barrel Workshop Presenter, Brooke Alexander, gave a 45-minute presentation on water conservation with an educational component of actions participants can take at home to help protect water resources and the impacts of household water use on stormwater. Brooke shared information from the city about stormwater management in the City of Beloit.

The presentation was followed by an explanation of how to assemble the rain barrel. Brooke and an RRC intern, Liz Khomenkov, assisted participants with putting their rain barrels together and instructing them how to install their rain barrels at home. Each participant was given a handout with instructions to take home. Each kit came with the 3 different drill bits, hardware, and spigot needed to build and install the rain barrel and the rain barrel itself.

There were over 100 total participants at both Beloit workshops. A total of 55 rain barrels were distributed.

Beaver Dam Rain Barrel Workshop

This workshop was hosted at The Watermark in Beaver Dam on Saturday, April 13th from 9:30 am. to 11:30 am.

The RRC Rain Barrel Workshop Presenter, Brooke, and RRC intern Liz, gave a 45-minute presentation on water conservation with an educational component that covered actions participants can take at home to help protect and conserve water resources. They also discussed the impacts of household water use on stormwater. Brooke shared information about storm water management in the City of Beaver Dam.

The presentation was followed by an explanation of how to assemble the rain barrel. Brooke and Liz assisted participants with putting their rain barrels together and instructing them how to install their rain barrels at home. Each participant was given a handout with instructions to take home. Each kit came with the 3 different drill bits, hardware, and spigot needed to build and install the rain barrel and the rain barrel itself.

There were 45 total participants for the workshop. 24 rain barrels were distributed.

2024 Stream Monitoring Grant Report
Rock River Coalition

Volunteer Trainings

Rock River Coalition, in partnership with Rock County Land Conservation Department, hosted a volunteer stream monitoring training in Rock County, which was attended by 9 people. Rock River Coalition also hosted a training in Watertown for Dodge and Jefferson County volunteers, which was attended by 23 people. 10 new volunteers were welcomed to the program in these three counties during 2024.

Monitoring Sites

County	Baseline Monitoring Sites	Total Volunteers	Total Nutrient Testing Sites	Total Sites with Thermistors
Dodge County	16	32	10	7
Fond du Lac County	2	4	0	2
Jefferson County	16	23	3	4
Rock County	9	14	0	0
Walworth County	12	8	10	5
Total	**55**	**81**	**23**	**18**

Monitoring Sites Within 10 Miles of RRSG Member Municipalities

Municipality	Number of Sites	Waterbodies Monitored
Beaver Dam	5	Beaver Dam River, Beaver Creek, Mill Creek, Unnamed Tributary to Lake Sinissippi (WBIC 5031431)
Beloit	2	Spring Brook, Turtle Creek
Fort Atkinson	4	Allen Creek, Bark River, Unnamed Tributary to Rock River (WBIC 813400), Unnamed (809000) north of Rockdale Rd
Janesville	3	Blackhawk Creek, Spring Brook
Jefferson	8	Lake Ripley inlet and outlet, Rock Creek, Johnson Creek
Milton	3	Otter Creek, Saunders Creek
Watertown	3	Silver Creek, Riverside Park Creek, Rock River
Waupun	4	Alto Creek, Drew Creek, South and West Branches of the Rock River
Whitewater	4	Bark River, Whitewater Creek, Spring Brook Creek, Bluff Creek

The Confluence, Rock River Coalition's Biennial Conference

The Confluence: Stewarding the Rock River Basin: Opportunities and Successes was held at The Fitchburg Community Center in Fitchburg, WI on Saturday, November 9th - 8:00 am to 4:40 pm. Over 100 people attended. Protect WI Waterways presented during the opportunities season and had a table in the table area.

WISCONSIN SALT WISE

2024 Annual Report

Presented to *Fund for Lake Michigan*

Presented by *Allison Madison*

Wisconsin Salt Wise

TABLE OF CONTENTS

INTRODUCTION

2024 has been a year of **deepening partnerships** with industry professionals and **expanding the network** with peers across the country. At core this work is about raising awareness that salt is a pollutant in our freshwater and inspiring action. The more people and organizations that we can collaborate with, the faster these ideas and practices will disseminate.

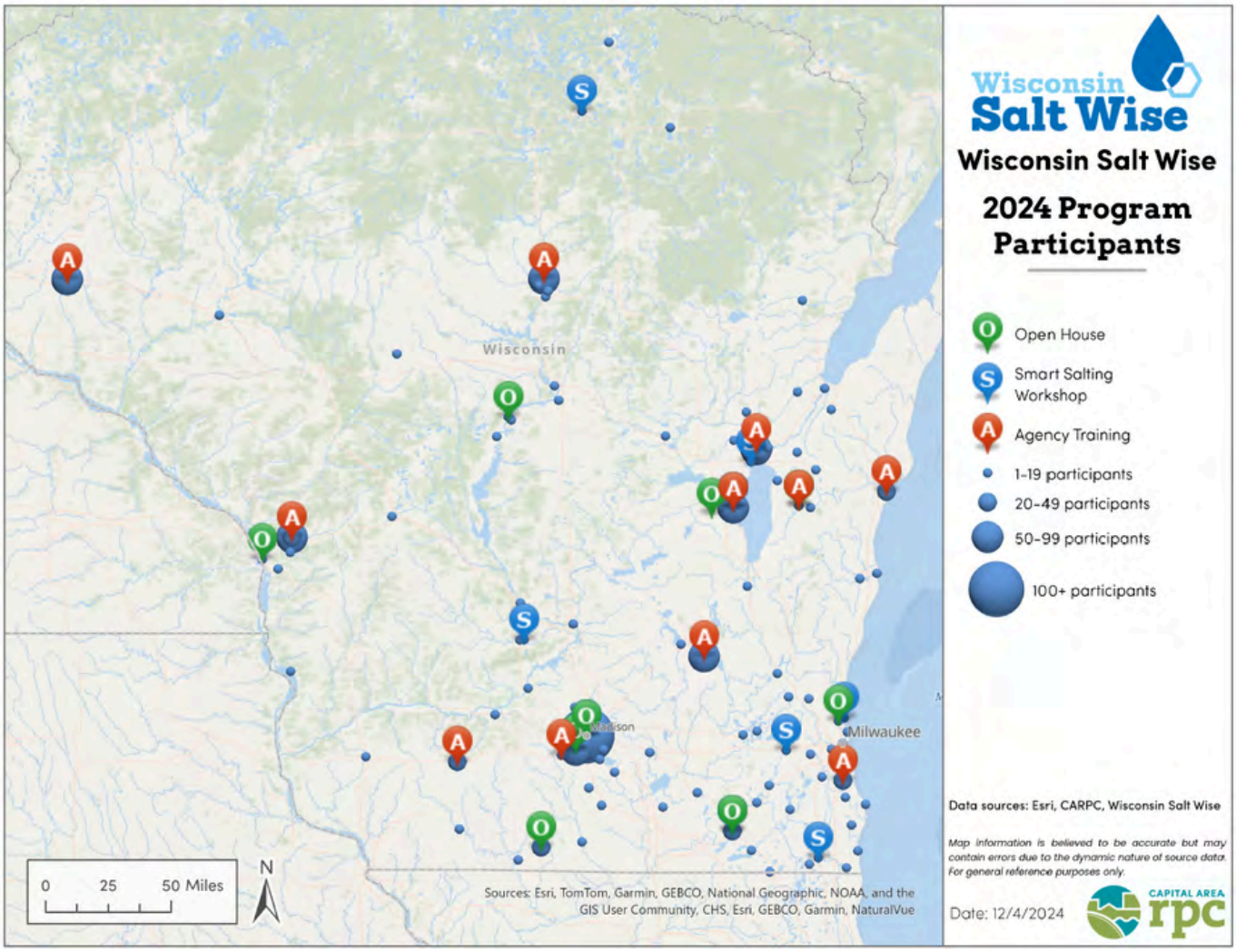
Our leadership on the limited liability legislation (funded by other partners) attracted the attention of the Snow and Ice Management Association and opened doors to collaborations in their publications and educational resources. Yes, **Wisconsin Salt Wise made the cover of Snow Business (Nov. 2024)!** We also assisted with the planning and implementation of the first-ever Midwest Snow and Ice Conference in Pewaukee this fall. Preparations for a repeat event in 2025 are already underway.

Also, ongoing is planning for Winter Salt Week 2025. We dropped "Wisconsin" from the name of the week in 2024, but learned from out-of-state organizations that it remained a barrier to direct residents to a website with "Wisconsin" in the title. So, this summer **we rallied broader investment in the week** to support the development of a new website and a plan for the week **that will highlight stories from partners across the Midwest and Northeast.**

Every year **the heart of our work happens during the fall training season** when we're on the road connecting with practitioners. We kicked off the season with a Smart Salting Workshop at Nicolet College in Rhinelander on September 12. December 5, we wrapped it up with a final class at Retzer Nature Center in Waukesha. In total, we led **ten individual agency trainings, nine Equipment Open Houses,** and **SIXTEEN smart salting workshops.**

Thank you for your critical support!
Allison Madison

SALT WISE EVENTS



*Six workshops in Madison

Eleven agency trainings

Nine open houses

Sixteen Workshops

WINTER SALT WEEK 2024

The debut of a “national” awareness week

Interest in the mission and vision of Wisconsin Salt Awareness Week continues to grow. In response to growing regional participation, we dropped “Wisconsin” from the event title and encouraged several partners across the upper Midwest and Northeast to help us promote the week’s livestreamed webinars.

2,144

Webinar Views

WINTER SALT WEEK 2025

A new website for a growing week.

In preparation for Winter Salt Week 2025, we have been actively growing our network of event partners and allies beyond Wisconsin. We created a new website to better represent the broad coalition of individuals and organizations who are helping to promote and financially contribute towards the ongoing development of the week.

WINTER SALT WEEK 2025

Partners and Allies

OPEN HOUSES

Calumet County, Fitchburg, Green County, La Crosse County, Madison, Walworth County, UW-Oshkosh, and Wisconsin Rapids convened over 200 practitioners and garnered significant media attention (pgs 22-23).

Clockwise from top left: Madison, Walworth County, Wisconsin Rapids, and Green County
Not pictured: Calumet County, Fitchburg, and UW-Oshkosh

SALT WISE INSTRUCTION

Public Workshops and Agency Trainings for 550+ industry professionals

We revamped the training curriculum this summer to include new practitioner videos, increase the number of high engagement activities, and stay current with evolving technologies.

We saw a marked increse in demand for Spanish language trainings this season. The assessment is now available in Spanish and three classes received Spanish language accommodations. Further resource development is required for Fall 2025.

Pictured from top: Village of Fox Point Smart Salting Workshop, Jackson Yard Care Workforce Development Program Graduation, La Crosse County Highway Department Safety Day.

COURSE EVALS

Smart Salting Workshops

2024 Course Evaluation

1. At an ***individual level***, what is one Salt Wise step that you can take this winter?

Need to Calibrate are Drop & Salt spreaders. Use or Brine for Pretreat Salt. minimize hard use salting.

2. At an ***organizational level***, what is one Salt Wise step that your agency can take this winter?

3. Pretend that you are leaving a Yelp/Google review. How would you rate/describe this course?

★★★★★. Learned a lot in a way I can retain the information. Very friendly & interactive which helps me learn.

4. Please share any other feedback that could help us improve this course and/or support your team in the future.

Wonderful Class, thank you for your time & knowledge!

1. At an individual level, what is one Salt Wise step that you can take this winter?

As a company we are testing 5 Madison, WI area stores using a brine solution rather than full salt only

I will definitely be much more aware of the level of salt I use at my house in LaCrosse!

2. At an organizational level, what is one Salt Wise step that your agency can take this winter?

3. Is there a barrier to Salt Wise practices that you need support to overcome?

Probably overcoming a mind set of our snow removal vendors - long held beliefs and traditions

4. Please share any other feedback that could help us improve this course in the future (feel free to use the back of the page).

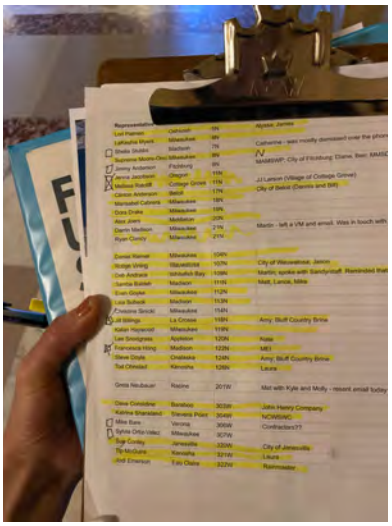
Wonderful course - tons of fantastic information - very well presented Allison - very thorough! Very cheery and energetic!

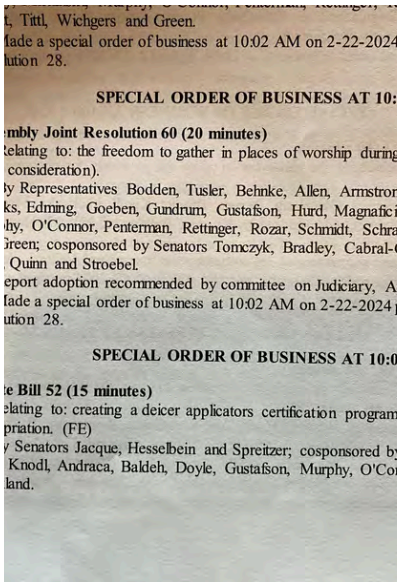
LIABILITY LEGISLATION

Rally for Senate Bill 52/Assembly Bill 61

After the Salt Wise Limited Liability bill passed in both houses, we hosted a Snow Plow Rally urging Gov. Evers to sign the bill into law. On March 29, he vetoed the bill, but has since asked the bill's primary opponent (WI Association for Justice) to work with us this session.

Clockwise from top center: visiting legislative offices; smiles at the rally: Stacey Balsley, Reinders, me, Erik Dyba, David J. Frank; Senate agenda; signs and snowplows.





, Tittl, Wichgers and Green.
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lution 28.

SPECIAL ORDER OF BUSINESS AT 10:

mbly Joint Resolution 60 (20 minutes)
elating to: the freedom to gather in places of worship during
consideration).
y Representatives Bodden, Tusler, Behnke, Allen, Armstror
ks, Edming, Goeben, Gundrum, Gustafson, Hurd, Magnafici
hy, O'Connor, Penterman, Rettinger, Rozar, Schmidt, Schra
reen; cosponsored by Senators Tomczyk, Bradley, Cabral-
Quinn and Stroebel.
eport adoption recommended by committee on Judiciary, A
lade a special order of business at 10:02 AM on 2-22-2024
lution 28.

SPECIAL ORDER OF BUSINESS AT 10:0

e Bill 52 (15 minutes)
elating to: creating a deicer applicators certification program
priation. (FE)
Senators Jacque, Hesselbein and Spreitzer; cosponsored by
Knodl, Andraca, Baldeh, Doyle, Gustafson, Murphy, O'Co
land.

STATEWIDE GRANT PROGRAM PROPOSAL

Post-veto, we pitched another strategy to the Governor's staff: creating a chloride reduction statewide grant program, modeled after the H2Ohio program, that would support municipal investments in smart salting technologies.

Several other states support municipalities with the purchase of equipment or construction of salt storage facilities that will reduce salt pollution into local waterways. Final draft below.

SALT POLLUTION REDUCTION

GRANT PROGRAM PROPOSAL

BACKGROUND

Salt (sodium chloride) is a permanent pollutant in our water. Sodium and chloride levels are continuing to increase in Wisconsin's lakes, streams, and drinking water, and the only way to address this issue is to reduce salt pollution at its source.

Advances in snow and ice control including ground speed control systems, improved plow blade technologies, and the utilization of salt brine, enable annual road salt reductions of 25-50%. Unfortunately, the initial capital investment cost of this equipment prohibits many municipalities from tapping into these benefits. Grant program dollars for equipment and staff training can jumpstart long-term savings in annual salt use and reduced infrastructure repair costs, and protect our freshwater resources.

PROGRAM COST

- **$4.5 million grant dollars**
- **0.25 FTE for grant program administration**

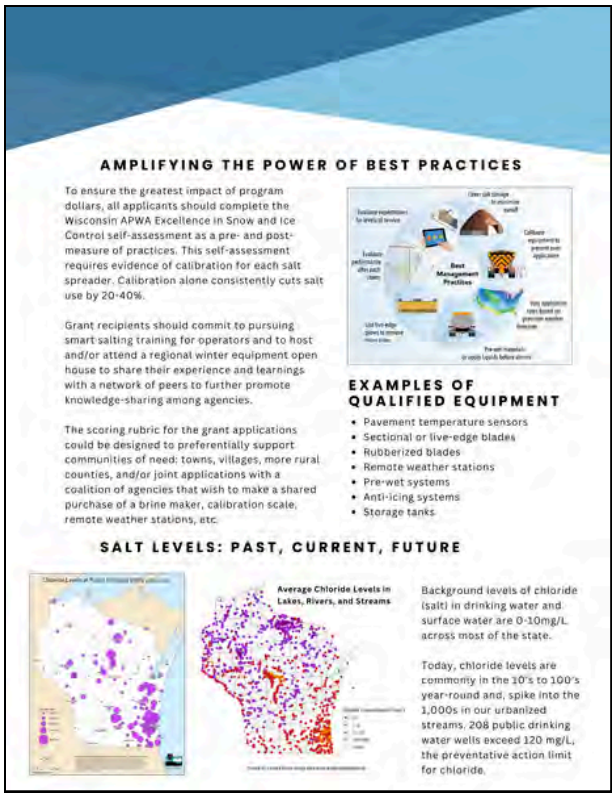
FORECASTED BENEFITS

- **Salt reduction of 10,000 Tons/year**
- **Salt savings of $1 million/year**
- **Reduced infrastructure damage of $10-30 million/year**
- **10,000 Olympic swimming pools of freshwater protected each year**

SIMILAR PROGRAMS

OHIO: In 2024, Ohio EPA awarded $4.4 million to local units of government to fund upgrades to road salt application equipment and storage facilities through their H2Ohio Rivers Initiative.

MINNESOTA: The Minnesota Pollution Control Agency offers grant funding to support local coordination of chloride pollution reduction efforts. Eligible recipients include governmental agencies, for-profit businesses, and NGOs, that will develop and implement chloride reduction action plans in communities or industrial facilities.



AMPLIFYING THE POWER OF BEST PRACTICES

To ensure the greatest impact of program dollars, all applicants should complete the Wisconsin APWA Excellence in Snow and Ice Control self-assessment as a pre- and post-measure of practices. This self-assessment requires evidence of calibration for each salt spreader. Calibration alone consistently cuts salt use by 20-40%.

Grant recipients should commit to pursuing smart-salting training for operators and to host and/or attend a regional winter equipment open house to share their experience and learnings with a network of peers to further promote knowledge-sharing among agencies.

The scoring rubric for the grant applications could be designed to preferentially support communities of need: towns, villages, more rural counties, and/or joint applications with a coalition of agencies that wish to make a shared purchase of a brine maker, calibration scale, remote weather stations, etc.

EXAMPLES OF QUALIFIED EQUIPMENT

- Pavement temperature sensors
- Sectional or live-edge blades
- Rubberized blades
- Remote weather stations
- Pre-wet systems
- Anti-icing systems
- Storage tanks

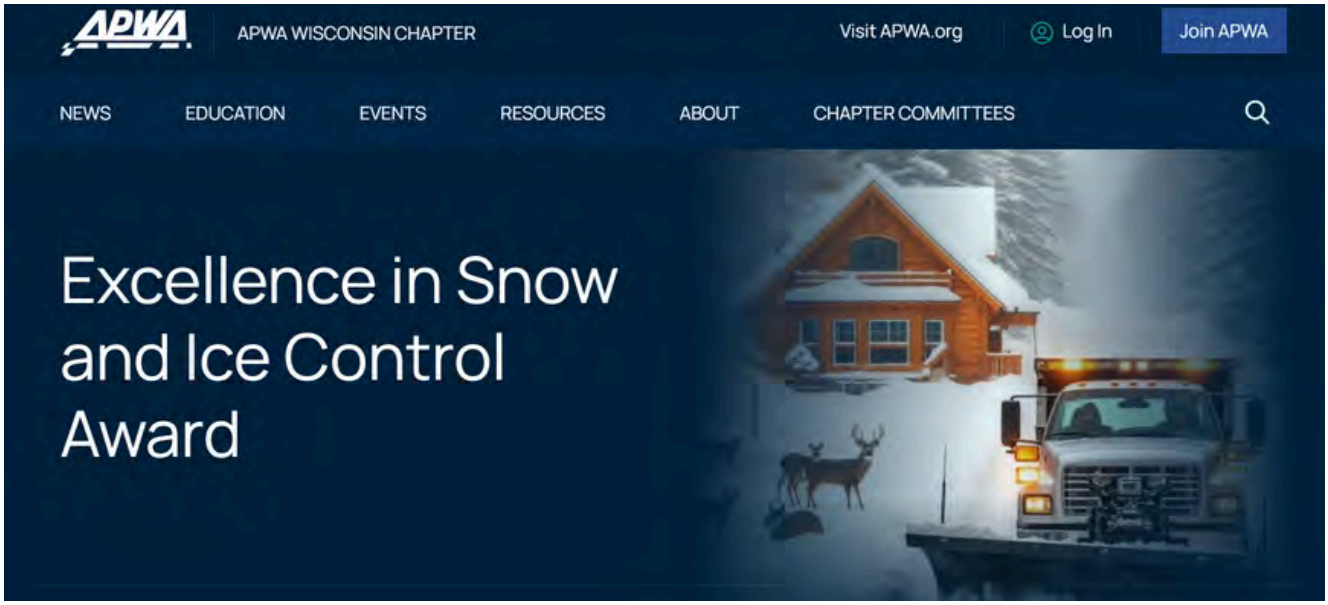
SALT LEVELS: PAST, CURRENT, FUTURE

Average Chloride Levels in Lakes, Rivers, and Streams

Background levels of chloride (salt) in drinking water and surface water are 0-10mg/L across most of the state.

Today, chloride levels are commonly in the 10's to 100's year-round and, spike into the 1,000s in our urbanized streams. 208 public drinking water wells exceed 120 mg/L, the preventative action limit for chloride.

NEW AWARD



The Wisconsin Chapter of the American Public Works Association announced a NEW Chapter award in 2024. The creation of this award was a multi-year process, but one that promises annual dividends. Each year at the APWA Spring Conference, three Wisconsin agencies will be recognized for their leadership in winter maintenance practices. Showcasing the strengths of these programs will inspire others and reinforce the importance of smart salting practices.

WI Salt Wise catalyzed the creation of this award through conversations with APWA Executive Committee and Awards Committee members, draft application and rubric documents, award promotion, judges recruitment, and score summarization with an Awards Committee member who made final recommendations to the Awards Committee chair.

2024 Award Winners:
Town of Linn, Wisconsin Rapids, Walworth County

NEW CONFERENCE

100+ attendees from public agencies and private companies

Waukesha County Technical College
Pewaukee, Wisconsin

Salt Wise assisted in the design and coordination of the first annual Midwest Snow and Ice Conference focused on accelerating the adoption of best practices in snow and ice control.

TRADE JOURNALS, etc.

Wisconsin Salt Wise

Salt Wise Practices: A Win for the Triple Bottom Line

Forward-thinking municipalities across Wisconsin are dialing in their use of salt to cut material costs and reduce the damages incurred to infrastructure. Salt prematurely ages concrete and metal. Less salt slows back down the rate at which roads crumble and bridges deteriorate. Additionally, public drinking water testing across Wisconsin has revealed that sodium and chloride levels are steadily increasing in our groundwater. Right-sizing our salt use today is critical for ensuring the health and safety of our drinking water tomorrow.

The good news is that precision applications of salt based on pavement temperature and the incorporation of liquid deicers are capable of delivering equivalent levels of service with less total salt, as unbelievable as it may seem. The following case studies from several Wisconsin municipalities exemplify several key smart salting practices.

Stevens Point Calibrates And Adjusts Rates

Salt's melting speed and melting capacity vary with temperature. That means that less salt is needed at warmer pavement temperatures. The City of Stevens Point places application rate charts in the cabs of vehicles to remind drivers how much salt is recommended at various pavement temperatures. If your municipality's fleet isn't outfitted with pavement temperature sensors, after market sensors can be installed. And if your fleet includes some or all manual-controlled vehicles, they can be calibrated so operators know the application rate at all relevant settings and speeds. Calibration alone can reduce salt use by 20–40%!

After calibrating their fleet, educating operators, and utilizing groundspeed control, Stevens Point DPW slashed their salt use from 4,500 tons per year (2008-14) to 1,600 tons per year (2018-22). Average savings = $100,000 a year!

The City of Glendale Embraces Liquids

One of the barriers to utilizing liquids is the upfront cost of equipment. (Even when equipment pays for itself in a few years, Wisconsin does not have municipal grant programs to support Salt Wise equipment purchases like Minnesota and Ohio.) So, with some ingenuity, and a stroke of luck in late 2021, the City of Glendale's Streets Department made the budget-wise purchase of a retired tanker truck from their fire department. With some trial and error, they converted it into a brine unit for anti-icing and direct liquid applications. Since then, they have continued to improve the system's performance in the winter months. In the summer, they rinse out the tank and utilize it to water municipal planters and newly planted trees.

Eau Claire Communicates

The City of Eau Claire has made many operational improvements to their snow and ice control operations. What really sets them apart, however, is their consistent, clear communication to residents about what the Streets Department is doing, what residents can do, and why this all matters. Communication is key if we are going to shift away from the narrative that "more salt is better." If you don't know where to start, reach out! Wisconsin Salt Wise has free resources to share: newsletter blurbs, template articles for aldersto share with residents, social media posts, etc.

Inspired to learn more about these stories? Listen to municipal staff from Stevens Point, Walworth County, Eau Claire, and other municipalities share their successes and next steps on the WI Salt Wise YouTube Channel or directly from the website: https://www.wisaltwise.com/Wednesday-Webinars

Wisconsin Salt Wise is a coalition of organizations across the state working to reduce salt pollution in our lakes, streams, and drinking water. We specialize in training, facilitation, and resource development around salt pollution and reduction solutions. Reach out with your ideas, we're happy to collaborate!

Allison Madison, Wisconsin Salt Wise Program Manager, is dedicated to spearheading statewide collaboration around salt reduction and protecting Wisconsin's freshwater resources. Contact Allison at allisonm@capitalarearpc.org.

Chloride Combat

Advocates stress culture change, bringing diverse groups together to drive salt reduction efforts // BY PATRICK WHITE

If there's one thing that should bring people together, it's the planet we all share. So perhaps it's not surprising to learn about the diverse coalition—governmental agencies, private contractors, non-profits and associations—working to address the harmful impacts of chlorides on water bodies.

Partnerships and idea-sharing

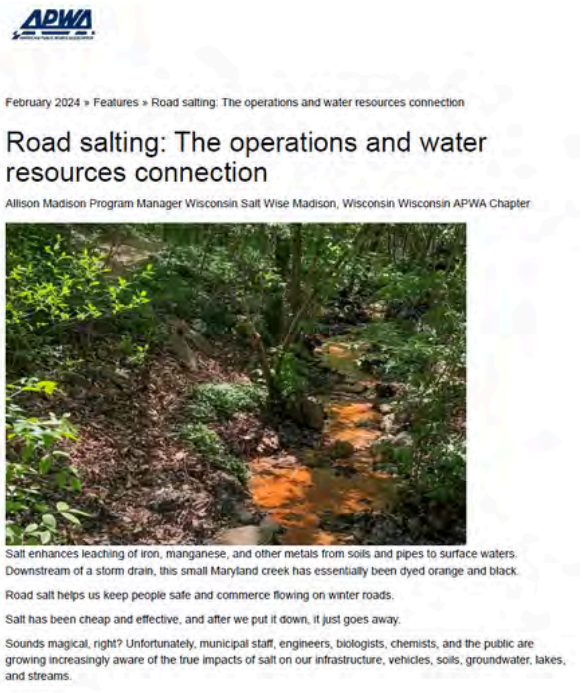
Chloride reduction efforts have been ongoing for more than two decades—and as word has spread and more has been learned about the issue of chloride contamination, the community of people concerned about the issue has grown. And ideas are being shared and borrowed across boarders and between industry members. For example, Minnesota was an early leader in salt reduction and its voluntary salt applicator training program, and more states are pursuing similar initiatives.

Ted Diers, assistant director of the water division within New Hampshire's Department of Environmental Services, says a major highway expansion project 20 years ago initially led to chloride concerns when pre-construction research revealed very high levels of chlorides in surrounding water. "We already had impaired water bodies and now we're talking about doubling the size of the highway," he recalls. "The project wasn't going to be stopped, so we said we have to find a way to reduce the amount of salt being used."

The state began to rely on brine for highway treatments, created a program to help municipalities buy better equipment to control salt applications, and created its own voluntary training program.

As New Hampshire crafted plans to combat chloride contamination, Diers connected with Phill Sexton, CSI, founder and CEO of WIT Advisers, based in New York. Sexton says that the corrosive effects of rock salt were well known even decades earlier. "But back then," he notes, "very few understood the urgent negative forever impacts that chloride salts contribute to freshwater resources, including drinking water health."

Allison Madison, project manager for Wisconsin Salt Wise, has seen the community of people who want to reduce chlorides grow with the more outreach she does.



APWA

February 2024 » Features » Road salting: The operations and water resources connection

Road salting: The operations and water resources connection

Allison Madison Program Manager Wisconsin Salt Wise Madison, Wisconsin Wisconsin APWA Chapter

Salt enhances leaching of iron, manganese, and other metals from soils and pipes to surface waters. Downstream of a storm drain, this small Maryland creek has essentially been dyed orange and black.

Road salt helps us keep people safe and commerce flowing on winter roads.

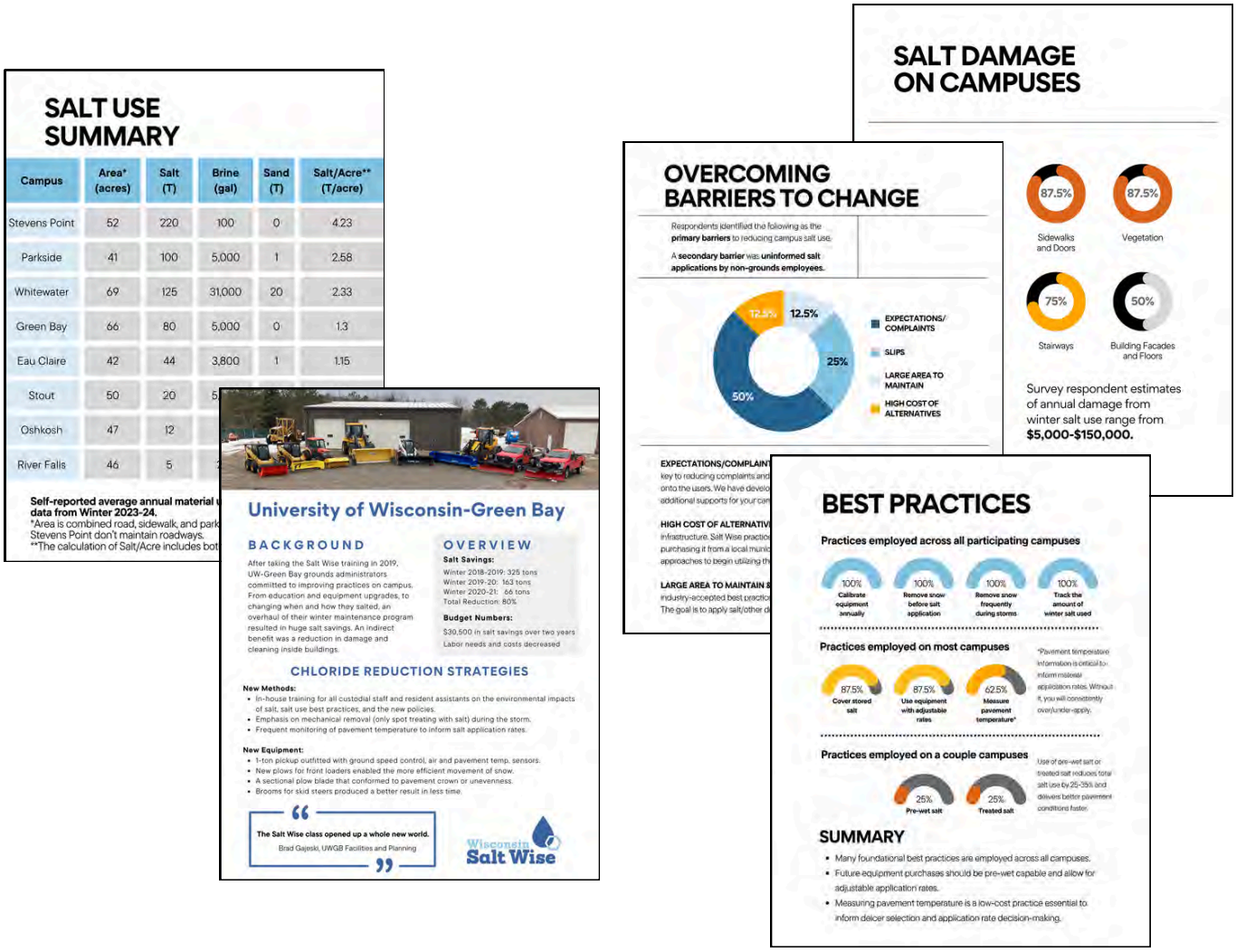
Salt has been cheap and effective, and after we put it down, it just goes away.

Sounds magical, right? Unfortunately, municipal staff, engineers, biologists, chemists, and the public are growing increasingly aware of the true impacts of salt on our infrastructure, vehicles, soils, groundwater, lakes, and streams.

Clockwise from top left: The Municipality, League of WI Municipalities; Snow Business, Snow & Ice Management Association; The Reporter, American Public Works Association; Beyond the Pail webinar, Wisconsin Association for School Business Officials

UW SYSTEM REPORT

Eight UW campuses provided comprehensive data on salt usage, snow and ice control practices, the cost of salt damage, barriers to change, etc. Findings were summarized in a 12-page report that was shared with campus facilities staff and campus sustainability staff. Selected pages below.



SALT USE SUMMARY

Campus	Area* (acres)	Salt (T)	Brine (gal)	Sand (T)	Salt/Acre** (T/acre)
Stevens Point	52	220	100	0	4.23
Parkside	41	100	5,000	1	2.58
Whitewater	69	125	31,000	20	2.33
Green Bay	66	80	5,000	0	1.3
Eau Claire	42	44	3,800	1	1.15
Stout	50	20	5		
Oshkosh	47	12			
River Falls	46	5			

Self-reported average annual material
data from Winter 2023-24.
*Area is combined road, sidewalk, and park
Stevens Point don't maintain roadways.
**The calculation of Salt/Acre includes bot

University of Wisconsin-Green Bay

BACKGROUND

After taking the Salt Wise training in 2019, UW-Green Bay grounds administrators committed to improving practices on campus. From education and equipment upgrades, to changing when and how they salted, an overhaul of their winter maintenance program resulted in huge salt savings. An indirect benefit was a reduction in damage and cleaning inside buildings.

OVERVIEW

Salt Savings:
Winter 2018-2019: 325 tons
Winter 2019-20: 163 tons
Winter 2020-21: 66 tons
Total Reduction: 80%

Budget Numbers:
$30,500 in salt savings over two years
Labor needs and costs decreased

CHLORIDE REDUCTION STRATEGIES

New Methods:
- In-house training for all custodial staff and resident assistants on the environmental impacts of salt, salt use best practices, and the new policies.
- Emphasis on mechanical removal (only spot treating with salt) during the storm.
- Frequent monitoring of pavement temperature to inform salt application rates.

New Equipment:
- 1-ton pickup outfitted with ground speed control, air and pavement temp. sensors.
- New plows for front loaders enabled the more efficient movement of snow.
- A sectional plow blade that conformed to pavement crown or unevenness.
- Brooms for skid steers produced a better result in less time.

"The Salt Wise class opened up a whole new world."
Brad Gajeski, UWGB Facilities and Planning

Wisconsin Salt Wise

OVERCOMING BARRIERS TO CHANGE

Respondents identified the following as the **primary barriers** to reducing campus salt use.

A **secondary barrier** was **uninformed salt applications by non-grounds employees.**

EXPECTATIONS/COMPLAINT
key to reducing complaints and
onto the users. We have develo
additional supports for your can

HIGH COST OF ALTERNATIV
infrastructure. Salt Wise practic
purchasing it from a local munic
approaches to begin utilizing th

LARGE AREA TO MAINTAIN
industry-accepted best practic
The goal is to apply salt/other d

SALT DAMAGE ON CAMPUSES

Survey respondent estimates of annual damage from winter salt use range from **$5,000-$150,000.**

BEST PRACTICES

Practices employed across all participating campuses

Practices employed on most campuses

*Pavement temperature information is critical to inform material application rates. Without it, you will consistently over/under-apply.

Practices employed on a couple campuses

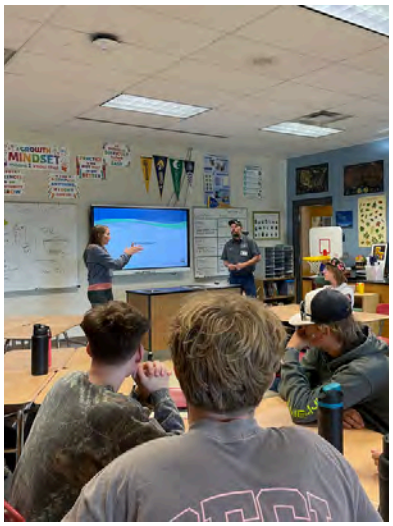
Use of pre-wet salt or treated salt reduces total salt use by 25-35% and delivers better pavement conditions faster.

SUMMARY

- Many foundational best practices are employed across all campuses.
- Future equipment purchases should be pre-wet capable and allow for adjustable application rates.
- Measuring pavement temperature is a low-cost practice essential to inform deicer selection and application rate decision-making.

PUBLIC OUTREACH

Presentations for the Fox Wolf-Watershed Conference, Fox River Summit, Aspirus Hospital Green Team, Madison District 11 Town Hall, Association for the Sciences of Limnology and Oceanography Conference, League of Women Voters, Wood County Master Gardeners and additional outreach activities pictured.



Clockwise from top left: Wausau Business Expo, Lake Wingra Watershed volunteer outreach, East Troy HS science classroom presentation, Earth Day Every Day Fair.

SOCIAL MEDIA

Facebook

1.1K followers
29.9K reach

Instagram

596 followers
12.8K reach

YouTube

269 followers
2.7k views
(in addition to Winter Salt Week)

MEDIA COVERAGE

TITLE	MEDIA OUTLET	MONTH
Wisconsin Organization Wants to Reduce Salt Use	WFJW Rhinelander	January
Minnesota Road Salt artwork meant to raise awareness around salt pollution	Milwaukee Journal Sentinel	January
How much salt is too much?	WAOW Wausau	January
Madison to use less salt on roads to protect our water	WORT Madison	January
'It's a toxin. It's a permanent pollutant.': Advocates detail how to reduce salt use this winter	WKOW27 Madison	January
Wisconsin DNR: Cut down on road salt use this winter	Channel 3000 Madison	January
Wisconsin DNR: Cut down on road salt use this winter	Fox 47 Madison	January
Winter Salt Week Interview	WGTD Kenosha	January
Hold the salt: University uses brine to help reduce water pollution	NBC26 Green Bay	January

MEDIA COVERAGE

TITLE	MEDIA OUTLET	MONTH
DNR: Reduce Salt Use this Winter	Lake Geneva Regional News	January
DNR and Wisconsin Salt Wise say too much salt usage during the winter can affect the water	WEAU Eau Claire	January
The Road to Salt Reduction	Adirondack Explorer	January
Grit salt on our roads is killing freshwater wildlife. What can we do?	New Scientist	January
Winter Salt Awareness Week shows affects of overuse of salt in Wisconsin	Spectrum News1	January
Winter Salt Awareness Week, learning how much salt is too much	WDIO Duluth	January
What winter does to roads, sidewalks, and our environment	The Larry Meiller Show, WPR	January
Morning radio show interview	I Heart Radio	February
Road salt is making the upper Mississippi saltier - what are northern cities and counties doing about it?	La Crosse Tribune	February
USDA Forest Products Lab staff develops brine to cut back salt use	Channel 3000 Madison	March

MEDIA COVERAGE

TITLE	MEDIA OUTLET	MONTH
Snowplow rally on Capitol Square aims to raise awareness of bill to reduce winter salt use	Channel 3000 Madison	March
How Can We Reduce Salt Pollution (3-part series) Polluting our land and water and increasing Lake Michigan's salinity Rising levels of sodium and chloride can harm all species, and threaten humans Changes in state law needed, but there are also simple solutions to reduce over-salting	Milwaukee Journal Sentinel	March-April
Evers vetoes road salt bill despite pollution across Wisconsin waters	Milwaukee Journal Sentinel	April
The Impacts of Road Salt on Local Waterways	WXPR Rhinelander	April
Road salt's impacts on local bodies of water	Channel 12 Rhinelander	April
Allison Madison, Program Director for the group WI Salt Wise	Civic Media Wausau	September
Green County Highway Department demonstrates use of cheese brine for icy roads	Channel 27 Madison	October
Salt of the Earth: Highway Workers meet to plan for winter	Monroe Times	October

MEDIA COVERAGE

TITLE	MEDIA OUTLET	MONTH
Salt Wise hosts workshop teaching sustainable winter salting methods	Channel 15 Madison	October
Wisconsin Salt Wise discusses smart salting ahead of winter	Channel 27 Madison	October
Salt Wise Open House helps prevent salt from entering waterways	Channel 8000 La Crosse	October
Winter Roads open house looks at less salt preps	Channel 19 La Crosse	October
Calumet County showcases snow, ice control equipment improving roads and the environment	Channel 11 Green Bay	October
Calumet County Highway Department hosts winter equipment open house to promote snow and ice control	Channel 5 Green Bay	October
Calumet Co. Highway Department showcases snow and ice control equipment	Channel 2 Green Bay	October
Madison prepares for potential severe winter weather with a different road salt	Channel 15 Madison	November
Milwaukee County communities getting ready to de-ice roads on a budget	Spectrum News	November

THANKS FOR YOUR CONTINUED SUPPORT!

Wisconsin Salt Wise

allisonm@capitalarearpc.org
608-334-8698

Event Start Date	2-17-2024						
Project/ Event Name	Waupun Ice Festival						
Delivery Mechanism	Informational booth at event						
Topics Covered		Target Audience		Estimated People Reached (Optional)		Regoinal Effort (Optional)	
☑	Illicit discharge detection and elimination	☑	General Public	☐	1 - 10	☑	Yes
☑	household hazardous waste disposal/pet waste management/ vehicle washing	☐	Public Employees	☐	11-50	☐	No
☑	yard waste management/ pesticide and fertilizer application	☑	Residents	☐	51-100		
☑	stream and shoreline management	☐	Businesses	☑	101 +		
☑	residential infiltration	☐	Contractors				
☑	construction sites and post construction storm water management	☐	Developers				
☑	Pollution prevention	☐	Industries				
☑	green infrastructure/ low impact development	☑	Other				
☑	Other: Adopt-a-storm drain						

Event Start Date	4-10-2024						
Project/ Event Name	Storytime with Splash						
Delivery Mechanism	Library Activity						
Topics Covered		Target Audience		Estimated People Reached (Optional)		Regoinal Effort (Optional)	
☐	Illicit discharge detection and elimination	☑	General Public	☐	1 - 10	☑	Yes
☐	household hazardous waste disposal/pet waste management/ vehicle washing	☐	Public Employees	☑	11-50	☐	No
☐	yard waste management/ pesticide and fertilizer application	☑	Residents	☐	51-100		
☐	stream and shoreline management	☐	Businesses	☐	101 +		
☐	residential infiltration	☐	Contractors				
☐	construction sites and post construction storm water management	☐	Developers				
☑	Pollution prevention	☐	Industries				
☐	green infrastructure/ low impact development	☑	Other				
☑	Other: Adopt-a-storm drain						

Event Start Date	4-18-2024						
Project/ Event Name	Jefferson Sustainable Open House						
Delivery Mechanism	Informational booth at event						
Topics Covered		Target Audience		Estimated People Reached (Optional)		Regoinal Effort (Optional)	
☑	Illicit discharge detection and elimination	☑	General Public	☐	1 - 10	☑	Yes
☑	household hazardous waste disposal/pet waste management/ vehicle washing	☐	Public Employees	☐	11-50	☐	No
☑	yard waste management/ pesticide and fertilizer application	☑	Residents	☑	51-100		
☑	stream and shoreline management	☑	Businesses	☐	101 +		
☑	residential infiltration	☐	Contractors				
☑	construction sites and post construction storm water management	☐	Developers				
☑	Pollution prevention	☐	Industries				
☑	green infrastructure/ low impact development	☐	Other				
☑	Other: Adopt-a-storm drain						

Event Start Date	4-20-2024

Project/ Event Name	Sustainable Jefferson
Delivery Mechanism	Informational booth at event

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regoinal Effort (Optional)
☑ Illicit discharge detection and elimination	☑ General Public	☐ 1 - 10	☑ Yes
☑ household hazardous waste disposal/pet waste management/ vehicle washing	☐ Public Employees	☑ 11-50	☐ No
☑ yard waste management/ pesticide and fertilizer application	☑ Residents	☐ 51-100	
☑ stream and shoreline management	☐ Businesses	☐ 101 +	
☑ residential infiltration	☐ Contractors		
☑ construction sites and post construction storm water management	☐ Developers		
☑ Pollution prevention	☐ Industries		
☑ green infrastructure/ low impact development	☐ Other		
☑ Other: Adopt-a-storm drain			

Event Start Date	4-21-2024
Project/ Event Name	Janesville Earth Day Celebration
Delivery Mechanism	Workshop

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regoinal Effort (Optional)
☑ Illicit discharge detection and elimination	☑ General Public	☐ 1 - 10	☑ Yes
☑ household hazardous waste disposal/pet waste management/ vehicle washing	☐ Public Employees	☑ 11-50	☐ No
☑ yard waste management/ pesticide and fertilizer application	☑ Residents	☐ 51-100	
☑ stream and shoreline management	☐ Businesses	☐ 101 +	
☑ residential infiltration	☐ Contractors		
☑ construction sites and post construction storm water management	☐ Developers		
☑ Pollution prevention	☐ Industries		
☑ green infrastructure/ low impact development	☐ Other		
☑ Other: Adopt-a-storm drain			

Event Start Date	4-22-2024
Project/ Event Name	RA Earth Day Event
Delivery Mechanism	Informational booth at event

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regoinal Effort (Optional)
☑ Illicit discharge detection and elimination	☐ General Public	☑ 1 - 10	☑ Yes
☑ household hazardous waste disposal/pet waste management/ vehicle washing	☐ Public Employees	☐ 11-50	☐ No
☑ yard waste management/ pesticide and fertilizer application	☑ Residents	☐ 51-100	
☑ stream and shoreline management	☐ Businesses	☐ 101 +	
☑ residential infiltration	☐ Contractors		
☑ construction sites and post construction storm water management	☐ Developers		
☑ Pollution prevention	☐ Industries		
☑ green infrastructure/ low impact development	☐ Other		
☑ Other: Adopt-a-storm drain			

Event Start Date	4-27-2024

Project/ Event Name	Downtown DBDI Cleanup & Annual Tree Planting Beaver Dam
Delivery Mechanism	Community Activity

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regoinal Effort (Optional)
☐ Illicit discharge detection and elimination	☑ General Public	☑ 1 - 10	☑ Yes
☐ household hazardous waste disposal/pet waste management/ vehicle washing	☐ Public Employees	☐ 11-50	☐ No
☐ yard waste management/ pesticide and fertilizer application	☑ Residents	☐ 51-100	
☐ stream and shoreline management	☑ Businesses	☐ 101 +	
☐ residential infiltration	☐ Contractors		
☐ construction sites and post construction storm water management	☐ Developers		
☐ Pollution prevention	☐ Industries		
☑ green infrastructure/ low impact development	☐ Other		
☐ Other: Adopt-a-storm drain			

Event Start Date	4-27-2024
Project/ Event Name	Janesville Sustainable Living Fair
Delivery Mechanism	Informational booth at event

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regoinal Effort (Optional)
☑ Illicit discharge detection and elimination	☑ General Public	☐ 1 - 10	☑ Yes
☑ household hazardous waste disposal/pet waste management/ vehicle washing	☐ Public Employees	☐ 11-50	☐ No
☑ yard waste management/ pesticide and fertilizer application	☑ Residents	☑ 51-100	
☑ stream and shoreline management	☑ Businesses	☐ 101 +	
☑ residential infiltration	☐ Contractors		
☐ construction sites and post construction storm water management	☐ Developers		
☑ Pollution prevention	☐ Industries		
☑ green infrastructure/ low impact development	☐ Other		
☑ Other: Adopt-a-storm drain			

Event Start Date	5-25-2024
Project/ Event Name	Beaver Dam Farmers Market
Delivery Mechanism	Informational booth at event

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regoinal Effort (Optional)
☑ Illicit discharge detection and elimination	☑ General Public	☐ 1 - 10	☑ Yes
☑ household hazardous waste disposal/pet waste management/ vehicle washing	☐ Public Employees	☐ 11-50	☐ No
☑ yard waste management/ pesticide and fertilizer application	☑ Residents	☑ 51-100	
☑ stream and shoreline management	☑ Businesses	☐ 101 +	
☑ residential infiltration	☐ Contractors		
☐ construction sites and post construction storm water management	☐ Developers		
☑ Pollution prevention	☐ Industries		
☑ green infrastructure/ low impact development	☐ Other		
☑ Other: Adopt-a-storm drain			

Event Start Date	6-1-2024
Project/ Event Name	Beaver Dam Farmers Market

Delivery Mechanism	Informational booth at event							
Topics Covered		Target Audience		Estimated People Reached (Optional)		Regoinal Effort (Optional)	
☑	Illicit discharge detection and elimination	☑	General Public	☐	1 - 10	☑	Yes
☑	household hazardous waste disposal/pet waste management/ vehicle washing	☐	Public Employees	☑	11-50	☐	No
☑	yard waste management/ pesticide and fertilizer application	☑	Residents	☐	51-100		
☑	stream and shoreline management	☐	Businesses	☐	101 +		
☑	residential infiltration	☐	Contractors				
☐	construction sites and post construction storm water management	☐	Developers				
☑	Pollution prevention	☐	Industries				
☑	green infrastructure/ low impact development	☐	Other				
☑	Other: Adopt-a-storm drain						

Event Start Date	6-11-2024							
Project/ Event Name	Watertown Farmers Market							
Delivery Mechanism	Informational booth at event							
Topics Covered		Target Audience		Estimated People Reached (Optional)		Regoinal Effort (Optional)	
☑	Illicit discharge detection and elimination	☑	General Public	☐	1 - 10	☑	Yes
☑	household hazardous waste disposal/pet waste management/ vehicle washing	☐	Public Employees	☑	11-50	☐	No
☑	yard waste management/ pesticide and fertilizer application	☑	Residents	☐	51-100		
☑	stream and shoreline management	☑	Businesses	☐	101 +		
☑	residential infiltration	☐	Contractors				
☐	construction sites and post construction storm water management	☐	Developers				
☑	Pollution prevention	☐	Industries				
☑	green infrastructure/ low impact development	☐	Other				
☑	Other: Adopt-a-storm drain						

Event Start Date	7-13-2024							
Project/ Event Name	Best Dam Fest							
Delivery Mechanism	Informational booth at event							
Topics Covered		Target Audience		Estimated People Reached (Optional)		Regoinal Effort (Optional)	
☑	Illicit discharge detection and elimination	☑	General Public	☐	1 - 10	☑	Yes
☑	household hazardous waste disposal/pet waste management/ vehicle washing	☐	Public Employees	☑	11-50	☐	No
☑	yard waste management/ pesticide and fertilizer application	☑	Residents	☐	51-100		
☑	stream and shoreline management	☑	Businesses	☐	101 +		
☑	residential infiltration	☐	Contractors				
☐	construction sites and post construction storm water management	☐	Developers				
☑	Pollution prevention	☐	Industries				
☑	green infrastructure/ low impact development	☐	Other				
☑	Other: Adopt-a-storm drain						

Event Start Date	7-27-2024
Project/ Event Name	Beloit Farmers Market
Delivery Mechanism	Informational booth at event

Topics Covered		Target Audience		Estimated People Reached (Optional)		Regoinal Effort (Optional)	
☑	Illicit discharge detection and elimination	☑	General Public	☐	1 - 10	☑	Yes
☑	household hazardous waste disposal/pet waste management/ vehicle washing	☐	Public Employees	☑	11-50	☐	No
☑	yard waste management/ pesticide and fertilizer application	☑	Residents	☐	51-100		
☑	stream and shoreline management	☑	Businesses	☐	101 +		
☑	residential infiltration	☐	Contractors				
☐	construction sites and post construction storm water management	☐	Developers				
☑	Pollution prevention	☐	Industries				
☑	green infrastructure/ low impact development	☐	Other				
☑	Other: Adopt-a-storm drain						

Event Start Date	8-6-2024
Project/ Event Name	Whitewater Farmers Market
Delivery Mechanism	Informational booth at event

Topics Covered		Target Audience		Estimated People Reached (Optional)		Regoinal Effort (Optional)	
☑	Illicit discharge detection and elimination	☑	General Public	☐	1 - 10	☑	Yes
☑	household hazardous waste disposal/pet waste management/ vehicle washing	☐	Public Employees	☑	11-50	☐	No
☑	yard waste management/ pesticide and fertilizer application	☑	Residents	☐	51-100		
☑	stream and shoreline management	☐	Businesses	☐	101 +		
☑	residential infiltration	☐	Contractors				
☐	construction sites and post construction storm water management	☐	Developers				
☑	Pollution prevention	☐	Industries				
☑	green infrastructure/ low impact development	☐	Other				
☑	Other: Adopt-a-storm drain						

Event Start Date	8-10-2024
Project/ Event Name	Beloit Farmers Market
Delivery Mechanism	Informational booth at event

Topics Covered		Target Audience		Estimated People Reached (Optional)		Regoinal Effort (Optional)	
☑	Illicit discharge detection and elimination	☑	General Public	☐	1 - 10	☑	Yes
☑	household hazardous waste disposal/pet waste management/ vehicle washing	☐	Public Employees	☑	11-50	☐	No
☑	yard waste management/ pesticide and fertilizer application	☑	Residents	☐	51-100		
☑	stream and shoreline management	☑	Businesses	☐	101 +		
☑	residential infiltration	☐	Contractors				
☐	construction sites and post construction storm water management	☐	Developers				
☑	Pollution prevention	☐	Industries				
☑	green infrastructure/ low impact development	☐	Other				
☑	Other: Adopt-a-storm drain						

Event Start Date	8-13-2024
Project/ Event Name	Whitewater Farmers Market
Delivery Mechanism	Informational booth at event

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regoinal Effort (Optional)

☑	Illicit discharge detection and elimination	☑	General Public	☑	1 - 10	☑	Yes
☑	household hazardous waste disposal/pet waste management/ vehicle washing	☐	Public Employees	☐	11-50	☐	No
☑	yard waste management/ pesticide and fertilizer application	☑	Residents	☐	51-100		
☑	stream and shoreline management	☑	Businesses	☐	101 +		
☑	residential infiltration	☐	Contractors				
☐	construction sites and post construction storm water management	☐	Developers				
☑	Pollution prevention	☐	Industries				
☑	green infrastructure/ low impact development	☐	Other				
☑	Other: Adopt-a-storm drain						

Event Start Date	8-17-2024						
Project/ Event Name	Fort Atkinson Farmers Market						
Delivery Mechanism	Informational booth at event						
Topics Covered		Target Audience		Estimated People Reached (Optional)		Regoinal Effort (Optional)	
☑	Illicit discharge detection and elimination	☑	General Public	☐	1 - 10	☑	Yes
☑	household hazardous waste disposal/pet waste management/ vehicle washing	☐	Public Employees	☑	11-50	☐	No
☑	yard waste management/ pesticide and fertilizer application	☑	Residents	☐	51-100		
☑	stream and shoreline management	☐	Businesses	☐	101 +		
☑	residential infiltration	☐	Contractors				
☐	construction sites and post construction storm water management	☐	Developers				
☑	Pollution prevention	☐	Industries				
☑	green infrastructure/ low impact development	☐	Other				
☑	Other: Adopt-a-storm drain						

Event Start Date	8-22-2024						
Project/ Event Name	Watertown Evening Market						
Delivery Mechanism	Informational booth at event						
Topics Covered		Target Audience		Estimated People Reached (Optional)		Regoinal Effort (Optional)	
☑	Illicit discharge detection and elimination	☑	General Public	☐	1 - 10	☑	Yes
☑	household hazardous waste disposal/pet waste management/ vehicle washing	☐	Public Employees	☑	11-50	☐	No
☑	yard waste management/ pesticide and fertilizer application	☑	Residents	☐	51-100		
☑	stream and shoreline management	☐	Businesses	☐	101 +		
☑	residential infiltration	☐	Contractors				
☐	construction sites and post construction storm water management	☐	Developers				
☑	Pollution prevention	☐	Industries				
☑	green infrastructure/ low impact development	☐	Other				
☑	Other: Adopt-a-storm drain						

Event Start Date	9-14-2024						
Project/ Event Name	Janesville Farmers Market						
Delivery Mechanism	Informational booth at event						
Topics Covered		Target Audience		Estimated People Reached (Optional)		Regoinal Effort (Optional)	
☑	Illicit discharge detection and elimination	☑	General Public	☐	1 - 10	☑	Yes

☑	household hazardous waste disposal/pet waste management/ vehicle washing	☐	Public Employees	☐	11-50	☐	No
☑	yard waste management/ pesticide and fertilizer application	☑	Residents	☑	51-100		
☑	stream and shoreline management	☐	Businesses	☐	101 +		
☑	residential infiltration	☐	Contractors				
☐	construction sites and post construction storm water management	☐	Developers				
☑	Pollution prevention	☐	Industries				
☑	green infrastructure/ low impact development	☐	Other				
☑	Other: Adopt-a-storm drain						

Event Start Date	9-15-2024						
Project/ Event Name	Janesville Door-to-door						
Delivery Mechanism	Door-to-door						
Topics Covered		Target Audience		Estimated People Reached (Optional)		Regoinal Effort (Optional)	
☐	Illicit discharge detection and elimination	☐	General Public	☐	1 - 10	☑	Yes
☐	household hazardous waste disposal/pet waste management/ vehicle washing	☐	Public Employees	☑	11-50	☐	No
☐	yard waste management/ pesticide and fertilizer application	☑	Residents	☐	51-100		
☐	stream and shoreline management	☐	Businesses	☐	101 +		
☐	residential infiltration	☐	Contractors				
☐	construction sites and post construction storm water management	☐	Developers				
☐	Pollution prevention	☐	Industries				
☐	green infrastructure/ low impact development	☐	Other				
☑	Other: Adopt-a-storm drain						

Event Start Date	9-22-2024						
Project/ Event Name	Monroe Cheese Days						
Delivery Mechanism	Informational booth at event						
Topics Covered		Target Audience		Estimated People Reached (Optional)		Regoinal Effort (Optional)	
☑	Illicit discharge detection and elimination	☑	General Public	☐	1 - 10	☑	Yes
☑	household hazardous waste disposal/pet waste management/ vehicle washing	☐	Public Employees	☐	11-50	☐	No
☑	yard waste management/ pesticide and fertilizer application	☑	Residents	☑	51-100		
☑	stream and shoreline management	☐	Businesses	☐	101 +		
☑	residential infiltration	☐	Contractors				
☐	construction sites and post construction storm water management	☐	Developers				
☑	Pollution prevention	☐	Industries				
☑	green infrastructure/ low impact development	☐	Other				
☑	Other: Adopt-a-storm drain						

Event Start Date	9-26-2024						
Project/ Event Name	Watertown Evening Market						
Delivery Mechanism	Informational booth at event						
Topics Covered		Target Audience		Estimated People Reached (Optional)		Regoinal Effort (Optional)	
☑	Illicit discharge detection and elimination	☑	General Public	☐	1 - 10	☑	Yes
☑	household hazardous waste disposal/pet waste management/ vehicle washing	☐	Public Employees	☑	11-50	☐	No

☑	yard waste management/ pesticide and fertilizer application	☑	Residents	☐	51-100		
☑	stream and shoreline management	☐	Businesses	☐	101 +		
☑	residential infiltration	☐	Contractors				
☐	construction sites and post construction storm water management	☐	Developers				
☑	Pollution prevention	☐	Industries				
☑	green infrastructure/ low impact development	☐	Other				
☑	Other: Adopt-a-storm drain						

Event Start Date	10-1-2024						
Project/ Event Name	Whitewater Farmers Market						
Delivery Mechanism	Informational booth at event						
Topics Covered		Target Audience		Estimated People Reached (Optional)		Regoinal Effort (Optional)	
☑	Illicit discharge detection and elimination	☑	General Public	☐	1 - 10	☑	Yes
☑	household hazardous waste disposal/pet waste management/ vehicle washing	☐	Public Employees	☑	11-50	☐	No
☑	yard waste management/ pesticide and fertilizer application	☑	Residents	☐	51-100		
☑	stream and shoreline management	☐	Businesses	☐	101 +		
☑	residential infiltration	☐	Contractors				
☐	construction sites and post construction storm water management	☐	Developers				
☑	Pollution prevention	☐	Industries				
☑	green infrastructure/ low impact development	☐	Other				
☑	Other: Adopt-a-storm drain						

Event Start Date	10-2-2024						
Project/ Event Name	Lakes Summit Event						
Delivery Mechanism	Informational booth at event						
Topics Covered		Target Audience		Estimated People Reached (Optional)		Regoinal Effort (Optional)	
☐	Illicit discharge detection and elimination	☑	General Public	☐	1 - 10	☑	Yes
☐	household hazardous waste disposal/pet waste management/ vehicle washing	☑	Public Employees	☑	11-50	☐	No
☐	yard waste management/ pesticide and fertilizer application	☑	Residents	☐	51-100		
☑	stream and shoreline management	☑	Businesses	☐	101 +		
☐	residential infiltration	☐	Contractors				
☐	construction sites and post construction storm water management	☐	Developers				
☐	Pollution prevention	☐	Industries				
☐	green infrastructure/ low impact development	☐	Other				
☑	Other: Adopt-a-storm drain						

Event Start Date	10-8-2024						
Project/ Event Name	Whitewater Farmers Market						
Delivery Mechanism	Informational booth at event						
Topics Covered		Target Audience		Estimated People Reached (Optional)		Regoinal Effort (Optional)	
☑	Illicit discharge detection and elimination	☑	General Public	☑	1 - 10	☑	Yes
☑	household hazardous waste disposal/pet waste management/ vehicle washing	☐	Public Employees	☐	11-50	☐	No
☑	yard waste management/ pesticide and fertilizer application	☑	Residents	☐	51-100		

☑	stream and shoreline management	☐	Businesses	☐	101 +		
☑	residential infiltration	☐	Contractors				
☐	construction sites and post construction storm water management	☐	Developers				
☑	Pollution prevention	☐	Industries				
☑	green infrastructure/ low impact development	☐	Other				
☑	Other: Adopt-a-storm drain						

Event Start Date	10-24-2024						
Project/ Event Name	Whitewater Ghouls Night						
Delivery Mechanism	Informational booth at event						
Topics Covered		Target Audience		Estimated People Reached (Optional)		Regoinal Effort (Optional)	
☑	Illicit discharge detection and elimination	☑	General Public	☐	1 - 10	☑	Yes
☑	household hazardous waste disposal/pet waste management/ vehicle washing	☐	Public Employees	☐	11-50	☐	No
☑	yard waste management/ pesticide and fertilizer application	☑	Residents	☐	51-100		
☑	stream and shoreline management	☐	Businesses	☑	101 +		
☑	residential infiltration	☐	Contractors				
☐	construction sites and post construction storm water management	☐	Developers				
☑	Pollution prevention	☐	Industries				
☑	green infrastructure/ low impact development	☐	Other				
☑	Other: Adopt-a-storm drain						

Event Start Date	10-26-2024						
Project/ Event Name	Watertown Boo Bash						
Delivery Mechanism	Informational booth at event						
Topics Covered		Target Audience		Estimated People Reached (Optional)		Regoinal Effort (Optional)	
☑	Illicit discharge detection and elimination	☑	General Public	☐	1 - 10	☑	Yes
☑	household hazardous waste disposal/pet waste management/ vehicle washing	☐	Public Employees	☐	11-50	☐	No
☑	yard waste management/ pesticide and fertilizer application	☑	Residents	☐	51-100		
☑	stream and shoreline management	☐	Businesses	☑	101 +		
☑	residential infiltration	☐	Contractors				
☐	construction sites and post construction storm water management	☐	Developers				
☑	Pollution prevention	☐	Industries				
☑	green infrastructure/ low impact development	☐	Other				
☑	Other: Adopt-a-storm drain						

Event Start Date	11-9-2024						
Project/ Event Name	Confluence Event						
Delivery Mechanism	Informational booth at event						
Topics Covered		Target Audience		Estimated People Reached (Optional)		Regoinal Effort (Optional)	
☑	Illicit discharge detection and elimination	☑	General Public	☐	1 - 10	☑	Yes
☑	household hazardous waste disposal/pet waste management/ vehicle washing	☐	Public Employees	☑	11-50	☐	No
☑	yard waste management/ pesticide and fertilizer application	☑	Residents	☐	51-100		
☑	stream and shoreline management	☐	Businesses	☐	101 +		

☑	residential infiltration	☐	Contractors					
☐	construction sites and post construction storm water management	☐	Developers					
☑	Pollution prevention	☐	Industries					
☑	green infrastructure/ low impact development	☐	Other					
☑	Other: Adopt-a-storm drain							

Event Start Date	9-21-2024
Project/ Event Name	Beaver Dam Clean up
Delivery Mechanism	Clean up event

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regoinal Effort (Optional)
☑ Volunteer Opportunity	☑ General Public	☐ 1 - 10	☑ Yes
☐	☑ Public Employees	☑ 11-50	☐ No
☐	☑ Residents	☐ 51-100	
☐	☐ Businesses	☐ 101 +	
☐	☐ Contractors		
☐	☐ Developers		
☐	☐ Industries		
☐	☐ Other		
☐			

Event Start Date	9-21-2024
Project/ Event Name	Waupun Clean Up
Delivery Mechanism	Clean up event

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regoinal Effort (Optional)
☑ Volunteer Opportunity	☑ General Public	☐ 1 - 10	☑ Yes
☐	☑ Public Employees	☑ 11-50	☐ No
☐	☑ Residents	☐ 51-100	
☐	☐ Businesses	☐ 101 +	
☐	☐ Contractors		
☐	☐ Developers		
☐	☐ Industries		
☐	☐ Other		
☐			

Event Start Date	9-21-2024
Project/ Event Name	Watertown Clean Up
Delivery Mechanism	Clean up event

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regoinal Effort (Optional)
☑ Volunteer Opportunity	☑ General Public	☐ 1 - 10	☑ Yes
☐	☑ Public Employees	☑ 11-50	☐ No
☐	☑ Residents	☐ 51-100	
☐	☐ Businesses	☐ 101 +	
☐	☐ Contractors		
☐	☐ Developers		
☐	☐ Industries		
☐	☐ Other		
☐			

Event Start Date	9-21-2024

Project/ Event Name	Fort Atkinson Clean Up
Delivery Mechanism	Clean up event

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regoinal Effort (Optional)
☑ Volunteer Opportunity	☑ General Public	☐ 1 - 10	☑ Yes
☐	☑ Public Employees	☑ 11-50	☐ No
☐	☑ Residents	☐ 51-100	
☐	☐ Businesses	☐ 101 +	
☐	☐ Contractors		
☐	☐ Developers		
☐	☐ Industries		
☐	☐ Other		
☐			

Event Start Date	9-21-2024
Project/ Event Name	Whitewater Clean Up
Delivery Mechanism	Clean up event

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regoinal Effort (Optional)
☑ Volunteer Opportunity	☑ General Public	☐ 1 - 10	☑ Yes
☐	☑ Public Employees	☐ 11-50	☐ No
☐	☑ Residents	☑ 51-100	
☐	☐ Businesses	☐ 101 +	
☐	☐ Contractors		
☐	☐ Developers		
☐	☐ Industries		
☐	☐ Other		
☐			

Event Start Date	9-21-2024
Project/ Event Name	Milton Clean Up
Delivery Mechanism	Clean up event

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regoinal Effort (Optional)
☑ Volunteer Opportunity	☑ General Public	☐ 1 - 10	☑ Yes
☐	☑ Public Employees	☑ 11-50	☐ No
☐	☑ Residents	☐ 51-100	
☐	☐ Businesses	☐ 101 +	
☐	☐ Contractors		
☐	☐ Developers		
☐	☐ Industries		
☐	☐ Other		
☐			

Event Start Date	9-21-2024
Project/ Event Name	Janesville Clean Up

Delivery Mechanism	Clean up event

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regoinal Effort (Optional)
☑ Volunteer Opportunity	☑ General Public	☐ 1 - 10	☑ Yes
☐	☑ Public Employees	☑ 11-50	☐ No
☐	☑ Residents	☐ 51-100	
☐	☐ Businesses	☐ 101 +	
☐	☐ Contractors		
☐	☐ Developers		
☐	☐ Industries		
☐	☐ Other		
☐			

Event Start Date	9-21-2024
Project/ Event Name	Town of Beloit Clean Up
Delivery Mechanism	Clean up event

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regoinal Effort (Optional)
☑ Volunteer Opportunity	☑ General Public	☐ 1 - 10	☑ Yes
☐	☑ Public Employees	☑ 11-50	☐ No
☐	☑ Residents	☐ 51-100	
☐	☐ Businesses	☐ 101 +	
☐	☐ Contractors		
☐	☐ Developers		
☐	☐ Industries		
☐	☐ Other		
☐			

Event Start Date	9-21-2024
Project/ Event Name	City of Beloit Waterway Clean up
Delivery Mechanism	Clean up event

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regoinal Effort (Optional)
☑ Volunteer Opportunity	☑ General Public	☐ 1 - 10	☑ Yes
☐	☑ Public Employees	☑ 11-50	☐ No
☐	☑ Residents	☐ 51-100	
☐	☐ Businesses	☐ 101 +	
☐	☐ Contractors		
☐	☐ Developers		
☐	☐ Industries		
☐	☐ Other		
☐			

Event Start Date	9-28-2024
Project/ Event Name	City of Monroe Waterway Clean up
Delivery Mechanism	Clean up event

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regoinal Effort (Optional)
☑ Volunteer Opportunity	☑ General Public	☑ 1 - 10	☑ Yes
☐	☑ Public Employees	☐ 11-50	☐ No
☐	☑ Residents	☐ 51-100	
☐	☐ Businesses	☐ 101 +	
☐	☐ Contractors		
☐	☐ Developers		
☐	☐ Industries		
☐	☐ Other		
☐			

2024 Erosion Control Inspection Summary

Column1	Column2	Column3	Column4	Column5	Column6	Column7	Column8	Column9	Column10	Column11	Column12	Column13	Column14
Date of Inspection	Aldi	Ann/Fremont St	Arch Development	Dollar Tree	Forest Ave	Fremont Street	Johns Disposal	Library	Northside Water	Parkcrest	Starbucks	Vanderlip	Walworth Storm
> 1 acre	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes	No	Yes	Yes
2/22/2024												X	
Action												n/a	
3/6/2024	X		X				X		X		X	X	
Action	n/a		n/a				n/a		n/a		Email	n/a	
3/9/2024	X		X				X				X	X	
Action	n/a		n/a				n/a				n/a	n/a	
3/15/2024	X		X				X		X			X	
Action	n/a		Email				n/a		n/a			n/a	
3/27/2024	X		X				X		X		X	X	
Action	n/a		Email				n/a		n/a		Email	Verbal	
4/4/2024	X		X				X		X		X	X	
Action	Email		n/a				Email		n/a		n/a	n/a	
4/30/2024	X		X			X	X		X			X	X
Action	Email		n/a			n/a	n/a		n/a			n/a	n/a
5/8/2024	X		X			X	X		X			X	X
Action	Email		Email			n/a	Email		n/a			n/a	n/a
5/28/2024	X		X			X	X					X	X
Action	Email		n/a			Email	n/a					n/a	n/a
6/7/2024	X		X	X		X	X					X	X
Action	n/a		Email	n/a		Email	n/a					n/a	n/a
6/24/2024	X		X	X		X	X						X
Action	Email		Email	n/a		Email	n/a						n/a
6/30/2024	X	X	X	X		X	X					X	X
Action	Email	n/a	Email	Text		n/a	n/a					n/a	n/a
7/15/2024	X	X	X	X		X	X					X	X
Action	Email	Verbal	n/a	Text		Email	n/a					n/a	n/a
7/22/2024	X	X	X	X		X	X					X	X
Action	Email	Verbal	n/a	Text		n/a	n/a					n/a	n/a
8/2/2024	X		X	X		X							X
Action	Email	Verbal	n/a	n/a		n/a							n/a
8/5/2024	X	X	X	X		X						X	X
Action	Email	Verbal	n/a	n/a		Email						Verbal	n/a
9/23/2024	X	X		X	X	X		X				X	
Action	n/a	Verbal		n/a	n/a	n/a		n/a				n/a	
11/15/2024	X			X	X			X		X		X	
Action	n/a			Text	n/a			n/a		n/a		n/a	

WATER RESOURCE
ASSOCIATES

Illicit Discharge Detection Elimination Program - Outfall Inspections

Inspections Completed August 2024

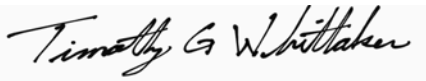
This report provides the full detail of the outfall inspections completed by Water Resource Associates during April of 2024. These outfall inspections were completed during dry weather conditions and were not conducted within 48 hours after a runoff producing rainfall event.

The purpose of these outfall inspections was twofold. First, the inspections were to identify any active flows during dry weather conditions which might be indicative of an illicit discharge. Those locations where flow was found are highlighted in red in the report. Where flow was found, the water was observed for odor, turbidity, and floatables and tested for chlorine and Ph to determine if the flow was illicit. There were no locations found where testing definitively indicated an illicit discharge. It is recognized that city staff is likely familiar with dry weather flow locations that may result from high ground water or noncontact cooling water discharges. At those locations where city staff does not routinely see dry weather flow, the flow should be traced to determine the source.

Second, the inspections were to provide a summary of the outfall conditions suitable for use by the Public Works Department to identify those locations requiring further inspection and possible repair. The results of these inspections are provided in the attached report.

The outfalls were generally in condition. A number of them however should be considered for possible repair. The most common repairs include addressing erosion beyond the end of pipe and sediment and debris accumulation within the storm sewer pipe.

Sincerely,



Water Resource Associates, LLC.
Tim Whittaker, CSM

Time Range: 4/1/2024-4/30/2024 `

City of Whitewater

Storm Water Outfall Inspection Report

Prepared by

WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	Outfall Classification	Inspection Date	Pipe Condition	Rip-Rap Condition	Erosion Condition	Active Flow
CL-12	Priority	4/21/2024	Average	Poor (Consider Repair)	Significant Erosion (Consider Repair)	Y
CL-13	Priority	4/21/2024	Average	No Rip-Rap Present	No Erosion	N
CL-2	Priority	4/21/2024	Average	Average	No Erosion	N
CL-4.3	Priority	4/21/2024	Good	No Rip-Rap Present	Minor Erosion	N
CL-7	Priority	4/21/2024	Average	Average	Heavy Accumulated Sediment (Consider Repair)	N
CL-8	Priority	4/21/2024	Good	Good	No Erosion	N
CL-9	Priority	4/21/2024	Average	Average	No Erosion	N
GC-1-2	Priority	4/21/2024	No Pipe Present	No Rip-Rap Present	No Erosion	N
GC-10.1-3	Major	4/21/2024	Average	Average	Minor Erosion	N
GC-2.1	Priority	4/21/2024	Average	No Rip-Rap Present	No Erosion	Y
GC-6	Priority	4/21/2024	Average	Average	No Erosion	Y
SB-11-3	Priority	4/21/2024	Good	No Rip-Rap Present	Minor Erosion	N
SB-3.2-1	Priority	4/21/2024	Average	No Rip-Rap Present	Minor Erosion	N
SB-3.2-2	Priority	4/21/2024	Average	Poor (Consider Repair)	No Erosion	N
SB-5	Priority	4/21/2024	Average	Poor (Consider Repair)	Significant Erosion (Consider Repair)	N
TL-13-1	Priority	4/21/2024	Average	No Rip-Rap Present	Accumulated Sediment	N
WC-13-2	Priority	4/21/2024	Good	Average	No Erosion	Y
WC-14	Priority	4/21/2024	Average	No Rip-Rap Present	Minor Erosion	N

WC-2 CITY	Priority	4/21/2024	Average	Poor (Consider Repair)	Minor Erosion	Y
WC-21	Priority	4/21/2024	No Pipe Present	No Rip-Rap Present	No Erosion	N
WC-25.1	Priority	4/21/2024	Average	No Rip-Rap Present	No Erosion	N
WC-26	Priority	4/21/2024	Average	No Rip-Rap Present	Minor Erosion	Y
WC-29	Priority	4/22/2024	Average	Poor (Consider Repair)	Minor Erosion	N
WC-30	Priority	4/22/2024	Average	Poor (Consider Repair)	Minor Erosion	Y
WC-32.2	Priority	4/22/2024	Average	No Rip-Rap Present	Minor Erosion	N
WC-35	Priority	4/22/2024	Average	No Rip-Rap Present	Minor Erosion	N
WC-37	Priority	4/22/2024	Average	No Rip-Rap Present	No Erosion	N
WC-37.1	Priority	4/22/2024	Average	No Rip-Rap Present	No Erosion	N
WC-38	Priority	4/22/2024	Average	No Rip-Rap Present	Significant Erosion (Consider Repair)	N
WC-40.2-1	Major	4/22/2024	Good	No Rip-Rap Present	Not Applicable	Y
WC-40.2-2	Major	4/22/2024	Good	No Rip-Rap Present	No Erosion	Y
WC-43.2	Priority	4/21/2024	Average	No Rip-Rap Present	No Erosion	N
WC-45	Priority	4/22/2024	Average	Average	No Erosion	N
WC-46	Priority	4/22/2024	Average	Average	No Erosion	Y
WC-48-1	Priority	4/22/2024	Average	No Rip-Rap Present	Minor Erosion	Y
WC-48-2	Priority	4/22/2024	Average	Average	No Erosion	N
WC-48-3	Priority	4/22/2024	Average	Poor (Consider Repair)	Minor Erosion	N
WC-49.1-1	Priority	4/22/2024	Average	No Rip-Rap Present	Heavy Accumulated Sediment (Consider Repair)	N
WC-49.1-2	Priority	4/22/2024	Average	No Rip-Rap Present	Heavy Accumulated Sediment (Consider Repair)	N
WC-5.1 CITY	Priority	4/21/2024	Average	No Rip-Rap Present	Minor Erosion	Y
WC-54-1	Priority	4/22/2024	Average	No Rip-Rap Present	Heavy Accumulated Sediment (Consider Repair)	N
WC-54-2	Priority	4/22/2024	Poor (Consider Repair)	Poor (Consider Repair)	Significant Erosion (Consider Repair)	N

WC-7	Priority	4/21/2024				N
WC-9	Priority	4/21/2024	Average	No Rip-Rap Present	Heavy Accumulated Sediment (Consider Repair)	N
08e0871c	Priority	4/21/2024	Good	No Rip-Rap Present	Accumulated Sediment	N
WC-32.2A	Priority	4/22/2024	Good	Poor (Consider Repair)	Minor Erosion	N
WC-32.2C	Priority	4/22/2024	Average	Average	Minor Erosion	N
WC-48.3A	Priority	4/22/2024	Average	Poor (Consider Repair)	Minor Erosion	**Y**
WC-49.1-2A	Priority	4/22/2024	Average	No Rip-Rap Present	No Erosion	N
WC-54-1A	Priority	4/22/2024	Average	No Rip-Rap Present	No Erosion	**Y**
1c970e0a	Priority	4/22/2024	Average	Poor (Consider Repair)	Minor Erosion	N

City of Whitewater

Storm Water Outfall Inspection Report
Prepared by
WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	CL-12	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	15"	Inspected By	
Outfall Description	RCP with no end section, Located 15’ west of bridge railing		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	Poor (Consider Repair)
Erosion Condition	Significant Erosion (Consider Repair)
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	Y	Flow Rate	< 1 ft/sec
Odor	No	Ammonia	< 0.1 mg/l
Turbidity	None	Chlorine	No
Color	N/A	pH	7.00
Floatables	No	Detergents	< 0.5 mg/l
Comments			

City of Whitewater

Storm Water Outfall Inspection Report
Prepared by
WATER RESOURCE ASSOCIATES

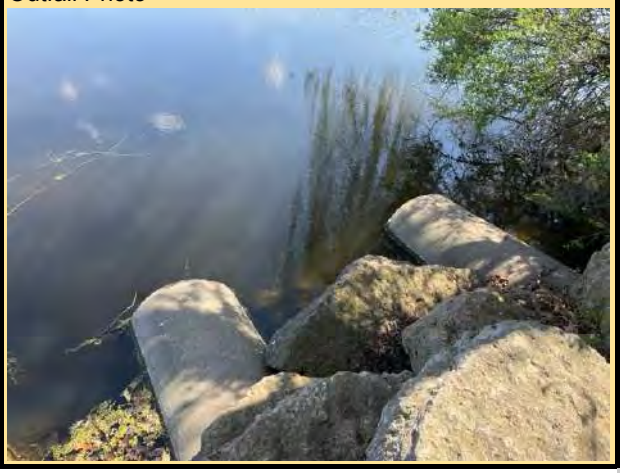
Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	CL-13	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	24" (2)	Inspected By	T Whittaker
Outfall Description	Twin RCP with no end sections		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	No Erosion
Comments	Pipes partially submerged. Checked for flow at upstream structure

Site Photo

Outfall Photo

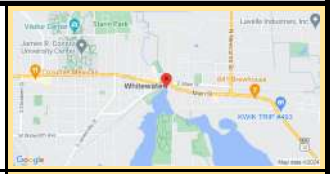


Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

Storm Water Outfall Inspection Report
Prepared by
WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	CL-2	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	24"	Inspected By	T Whittaker
Outfall Description	RCP end section		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	Average
Erosion Condition	No Erosion
Comments	Pipe partially submerged. Checked for flow at upstream structure

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

Storm Water Outfall Inspection Report
Prepared by
WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	CL-4.3	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	42”	Inspected By	T Whittaker
Outfall Description	RCP end section, second adjacent RCP end section		

Outfall Condition	
Pipe Condition	Good
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	Minor Erosion
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

Storm Water Outfall Inspection Report
Prepared by
WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	CL-7	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	12"	Inspected By	T Whittaker
Outfall Description	RCP with no end section		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	Average
Erosion Condition	Heavy Accumulated Sediment (Consider Repair)
Comments	Pipe fully obstructed with sediment

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

Storm Water Outfall Inspection Report
Prepared by
WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	CL-8	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	24”	Inspected By	T Whittaker
Outfall Description	RCP end section		

Outfall Condition	
Pipe Condition	Good
Rip-Rap Condition	Good
Erosion Condition	No Erosion
Comments	Water backed up into end section from lake

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

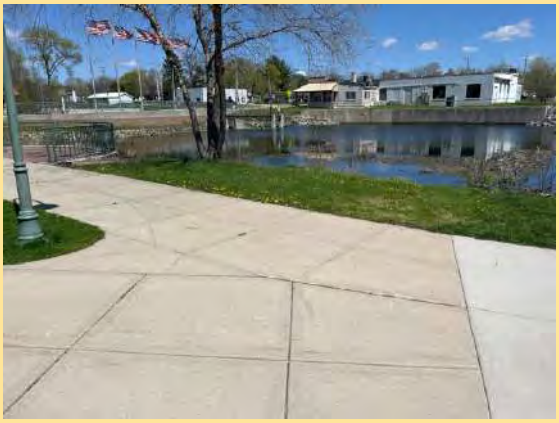
Storm Water Outfall Inspection Report
Prepared by
WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	CL-9	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	12”	Inspected By	T Whittaker
Outfall Description	RCP end section		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	Average
Erosion Condition	No Erosion
Comments	Relocated outfall point to water edge. Checked for flow in upstream inlet

Site Photo



Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

Storm Water Outfall Inspection Report
Prepared by
WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	GC-1-2	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	36"	Inspected By	T Whittaker
Outfall Description	Large storm inlet, north side of Main Street		

Outfall Condition	
Pipe Condition	No Pipe Present
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	No Erosion
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

Storm Water Outfall Inspection Report
Prepared by
WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	GC-10.1-3	Outfall Location	
Outfall Classification	Major	Inspection Date	4/21/2024
Outfall Size	30” & 27”	Inspected By	T Whittaker
Outfall Description	RCP end sections into swale		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	Average
Erosion Condition	Minor Erosion
Comments	Significant accumulated trash

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

Storm Water Outfall Inspection Report
Prepared by
WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	GC-2.1	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	42"	Inspected By	T Whittaker
Outfall Description	RCP end section, 35’ behind curb at wetland		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	No Erosion
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	Y	Flow Rate	1 - 3 ft/sec
Odor	No	Ammonia	< 0.1 mg/l
Turbidity	None	Chlorine	No
Color	N/A	pH	7.00
Floatables	No	Detergents	< 0.5 mg/l
Comments			

City of Whitewater

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Outfall ID	GC-6	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	36"	Inspected By	T Whittaker
Outfall Description	RCP with no end section		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	Average
Erosion Condition	No Erosion
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	Y	Flow Rate	< 1 ft/sec
Odor	No	Ammonia	< 0.1 mg/l
Turbidity	None	Chlorine	No
Color	N/A	pH	7.00
Floatables	No	Detergents	< 0.5 mg/l
Comments	Flow found to be from sump pump discharge into gutter across the street		

City of Whitewater

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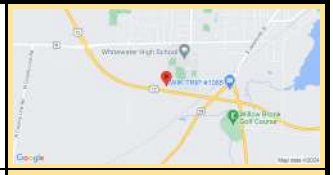
Outfall ID	SB-11-3	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	30"	Inspected By	T Whittaker
Outfall Description	ADS pipe behind stockpile		

Outfall Condition	
Pipe Condition	Good
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	Minor Erosion
Comments	Standing water, no active flow

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

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Outfall ID	SB-3.2-1	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	24"x18"	Inspected By	T Whittaker
Outfall Description	RCP with no end section, 85’ south of centerline of South St in brush		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	Minor Erosion
Comments	Pipe partially submerged. Accumulated sediment obstructing downstream swale

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

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Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	SB-3.2-2	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	48” x 64”	Inspected By	T Whittaker
Outfall Description	Concrete arch under railroad		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	Poor (Consider Repair)
Erosion Condition	No Erosion
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

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Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	SB-5	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	19"x30"	Inspected By	T Whittaker
Outfall Description	RCP end section, just beyond cul de sac		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	Poor (Consider Repair)
Erosion Condition	Significant Erosion (Consider Repair)
Comments	Swale erosion extends more than 100’ downstream

Site Photo

Outfall Photo

95d132ae.Outfall Photo.171922

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

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Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	TL-13-1	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	15”	Inspected By	T Whittaker
Outfall Description	RCP end section		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	Accumulated Sediment
Comments	Relocated to pond outfall

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

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Outfall ID	WC-13-2	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	42"	Inspected By	T Whittaker
Outfall Description	RCP end section		

Outfall Condition	
Pipe Condition	Good
Rip-Rap Condition	Average
Erosion Condition	No Erosion
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	Y	Flow Rate	< 1 ft/sec
Odor	No	Ammonia	< 0.1 mg/l
Turbidity	None	Chlorine	No
Color	N/A	pH	7.00
Floatables	No	Detergents	< 0.5 mg/l
Comments			

City of Whitewater

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Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-14	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	30”	Inspected By	T Whittaker
Outfall Description	CMP with no end section, 15’ beyond wooden fence		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	Minor Erosion
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

Storm Water Outfall Inspection Report
Prepared by
WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-2 CITY	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	42"	Inspected By	T Whittaker
Outfall Description	RCP end section		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	Poor (Consider Repair)
Erosion Condition	Minor Erosion
Comments	Checked flow at upstream structure

Site Photo

Outfall Photo

Flow Data			
Active Flow	Y	Flow Rate	< 1 ft/sec
Odor	No	Ammonia	< 0.1 mg/l
Turbidity	None	Chlorine	No
Color	N/A	pH	7.00
Floatables	No	Detergents	< 0.5 mg/l
Comments	Previously traced flow to bank sump pump discharge		

City of Whitewater

Storm Water Outfall Inspection Report
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Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-21	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	NA	Inspected By	T Whittaker
Outfall Description	Swale along east side of road		

Outfall Condition	
Pipe Condition	No Pipe Present
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	No Erosion
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

Storm Water Outfall Inspection Report
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WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-25.1	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	30"	Inspected By	T Whittaker
Outfall Description	RCP end section		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	No Erosion
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

Storm Water Outfall Inspection Report
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WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-26	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	42”	Inspected By	T Whittaker
Outfall Description	RCP with end section		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	Minor Erosion
Comments	Flow observed coming from upstream drain tile

Site Photo

Outfall Photo

Flow Data			
Active Flow	Y	Flow Rate	1 - 3 ft/sec
Odor	No	Ammonia	< 0.1 mg/l
Turbidity	None	Chlorine	No
Color	N/A	pH	7.00
Floatables	No	Detergents	< 0.5 mg/l
Comments	Flow observed coming from upstream drain tile		

City of Whitewater

Storm Water Outfall Inspection Report
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WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-29	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/22/2024
Outfall Size	42"	Inspected By	T Whittaker
Outfall Description	CMP with no end section, 30 south of gate west side of stream		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	Poor (Consider Repair)
Erosion Condition	Minor Erosion
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

Storm Water Outfall Inspection Report
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WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-30	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/22/2024
Outfall Size	30"	Inspected By	T Whittaker
Outfall Description	RCP end section, 15’ off road		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	Poor (Consider Repair)
Erosion Condition	Minor Erosion
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	Y	Flow Rate	
Odor		Ammonia	
Turbidity		Chlorine	
Color		pH	*0.00*
Floatables		Detergents	
Comments	City flushing nearby hydrants		

City of Whitewater

Storm Water Outfall Inspection Report
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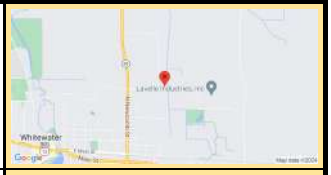
WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-32.2	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/22/2024
Outfall Size	18”	Inspected By	T Whittaker
Outfall Description	Access outside fence at National Guard property		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	Minor Erosion
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

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Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-35	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/22/2024
Outfall Size	12"	Inspected By	T Whittaker
Outfall Description	RCP end section, 55‘ east of Industrial		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	Minor Erosion
Comments	Checked for flow at upstream inlet

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

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Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-37	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/22/2024
Outfall Size	36"	Inspected By	T Whittaker
Outfall Description	RCP end section, 60’ off trail		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	No Erosion
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

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Outfall ID	WC-37.1	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/22/2024
Outfall Size	NA	Inspected By	T Whittaker
Outfall Description	Storm manhole at pond outfall		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	No Erosion
Comments	Checked for flow in upstream structure

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

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Outfall ID	WC-38	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/22/2024
Outfall Size	30”	Inspected By	T Whittaker
Outfall Description	RCP end section, 30’ Nth of Universal Blvd 15’ east of stream		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	Significant Erosion (Consider Repair)
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

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Outfall ID	WC-40.2-1	Outfall Location	
Outfall Classification	Major	Inspection Date	4/22/2024
Outfall Size	42"	Inspected By	T Whittaker
Outfall Description	RCP tied into side of box culvert		

Outfall Condition	
Pipe Condition	Good
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	Not Applicable
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	Y	Flow Rate	1 - 3 ft/sec
Odor	No	Ammonia	< 0.1 mg/l
Turbidity	None	Chlorine	No
Color	N/A	pH	7.00
Floatables	No	Detergents	< 0.5 mg/l
Comments			

City of Whitewater

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Outfall ID	WC-40.2-2	Outfall Location	
Outfall Classification	Major	Inspection Date	4/22/2024
Outfall Size	24"	Inspected By	T Whittaker
Outfall Description	RCP in wingwall of box culvert		

Outfall Condition	
Pipe Condition	Good
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	No Erosion
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	Y	Flow Rate	1 - 3 ft/sec
Odor	No	Ammonia	< 0.1 mg/l
Turbidity	None	Chlorine	No
Color	N/A	pH	7.00
Floatables	No	Detergents	< 0.5 mg/l
Comments			

City of Whitewater

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Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-43.2	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	Twin 48"	Inspected By	T Whittaker
Outfall Description	CMP culverts with concrete headwall		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	No Erosion
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

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Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-45	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/22/2024
Outfall Size	24"	Inspected By	T Whittaker
Outfall Description	RCP with no end section		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	Average
Erosion Condition	No Erosion
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

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Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-46	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/22/2024
Outfall Size	42"	Inspected By	T Whittaker
Outfall Description	RCP end section at stream bank		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	Average
Erosion Condition	No Erosion
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	Y	Flow Rate	1 - 3 ft/sec
Odor	No	Ammonia	< 0.1 mg/l
Turbidity	None	Chlorine	No
Color	N/A	pH	7.00
Floatables	No	Detergents	< 0.5 mg/l
Comments			

City of Whitewater

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Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-48-1	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/22/2024
Outfall Size	30”	Inspected By	T Whittaker
Outfall Description	RCP end section		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	Minor Erosion
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	Y	Flow Rate	1 - 3 ft/sec
Odor	No	Ammonia	< 0.1 mg/l
Turbidity	None	Chlorine	No
Color	N/A	pH	7.00
Floatables	No	Detergents	< 0.5 mg/l
Comments			

City of Whitewater

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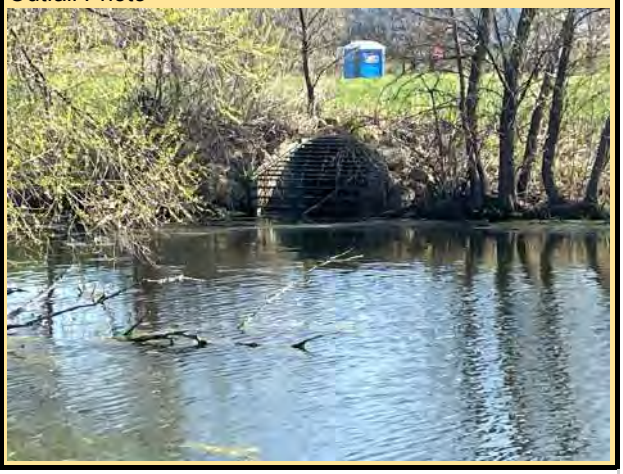
Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-48-2	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/22/2024
Outfall Size	48"	Inspected By	T Whittaker
Outfall Description	RCP end section		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	Average
Erosion Condition	No Erosion
Comments	

Site Photo

Outfall Photo



Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

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Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-48-3	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/22/2024
Outfall Size	15”	Inspected By	T Whittaker
Outfall Description	RCP end section		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	Poor (Consider Repair)
Erosion Condition	Minor Erosion
Comments	

Site Photo

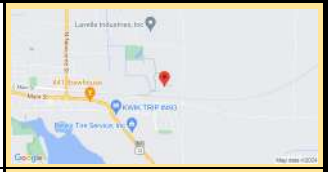
Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

Storm Water Outfall Inspection Report
Prepared by
WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-49.1-1	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/22/2024
Outfall Size	30"	Inspected By	T Whittaker
Outfall Description	RCP end section, NE corner of pond		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	Heavy Accumulated Sediment (Consider Repair)
Comments	Heavy sediment and trees beyond end section

Site Photo

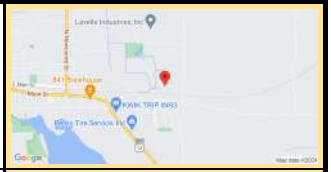
Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

Storm Water Outfall Inspection Report
Prepared by
WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-49.1-2	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/22/2024
Outfall Size	30"	Inspected By	T Whittaker
Outfall Description	RCP end section, SE corner of pond		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	Heavy Accumulated Sediment (Consider Repair)
Comments	Heavy sediment and trees beyond end section

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

Storm Water Outfall Inspection Report
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WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-5.1 CITY	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	48"x72" (2)	Inspected By	T Whittaker
Outfall Description	RCP box culverts		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	Minor Erosion
Comments	Previously traced flow to UWW Campus bldg

Site Photo

Outfall Photo

Flow Data			
Active Flow	Y	Flow Rate	1 - 3 ft/sec
Odor	No	Ammonia	< 0.1 mg/l
Turbidity	None	Chlorine	No
Color	N/A	pH	7.00
Floatables	No	Detergents	< 0.5 mg/l
Comments	Previously treated flow to UWW Campus bldg		

City of Whitewater

Storm Water Outfall Inspection Report
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WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-54-1	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/22/2024
Outfall Size	15"	Inspected By	T Whittaker
Outfall Description	RCP end section		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	Heavy Accumulated Sediment (Consider Repair)
Comments	Heavy sediment and trees being end section

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

Storm Water Outfall Inspection Report
Prepared by
WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-54-2	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/22/2024
Outfall Size	48"	Inspected By	T Whittaker
Outfall Description	RCP with no end section, under rail road		

Outfall Condition	
Pipe Condition	Poor (Consider Repair)
Rip-Rap Condition	Poor (Consider Repair)
Erosion Condition	Significant Erosion (Consider Repair)
Comments	Significant erosion with rip-rap washed out into pond

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

Storm Water Outfall Inspection Report
Prepared by
WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-7	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	24"	Inspected By	T Whittaker
Outfall Description	RCP no end section		

Outfall Condition	
Pipe Condition	
Rip-Rap Condition	
Erosion Condition	
Comments	Pipe inaccessible due to overgrown vegetation. No apparent flow

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

Storm Water Outfall Inspection Report
Prepared by
WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-9	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	18”	Inspected By	T Whittaker
Outfall Description	CMP with no end section		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	Heavy Accumulated Sediment (Consider Repair)
Comments	Sediment and trash accumulated out into creek

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

Storm Water Outfall Inspection Report
Prepared by
WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	08e0871c	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/21/2024
Outfall Size	24”	Inspected By	T Whittaker
Outfall Description	RCP end section		

Outfall Condition	
Pipe Condition	Good
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	Accumulated Sediment
Comments	Debris captured behind grate in end section

Site Photo

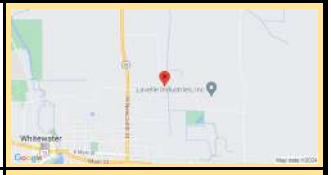
Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

Storm Water Outfall Inspection Report
Prepared by
WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-32.2A	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/22/2024
Outfall Size	Twin 24”	Inspected By	T Whittaker
Outfall Description	Concrete end wall with grate		

Outfall Condition	
Pipe Condition	Good
Rip-Rap Condition	Poor (Consider Repair)
Erosion Condition	Minor Erosion
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

Storm Water Outfall Inspection Report
Prepared by
WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-32.2C	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/22/2024
Outfall Size	15”	Inspected By	T Whittaker
Outfall Description	RCP and wall		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	Average
Erosion Condition	Minor Erosion
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

Storm Water Outfall Inspection Report
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WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-48.3A	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/22/2024
Outfall Size	Twin 30”	Inspected By	T Whittaker
Outfall Description	RCP and sections		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	Poor (Consider Repair)
Erosion Condition	Minor Erosion
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	Y	Flow Rate	< 1 ft/sec
Odor	No	Ammonia	< 0.1 mg/l
Turbidity	None	Chlorine	No
Color	N/A	pH	7.00
Floatables	No	Detergents	< 0.5 mg/l
Comments			

City of Whitewater

Storm Water Outfall Inspection Report
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WATER RESOURCE ASSOCIATES

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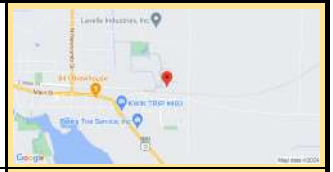
Outfall ID	WC-49.1-2A	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/22/2024
Outfall Size	36”	Inspected By	T Whittaker
Outfall Description	RCP end section		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	No Erosion
Comments	Checked for flow in upstream structure

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		

City of Whitewater

Storm Water Outfall Inspection Report
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WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	WC-54-1A	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/22/2024
Outfall Size	42”	Inspected By	T Whittaker
Outfall Description	RCP end section		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	No Rip-Rap Present
Erosion Condition	No Erosion
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	Y	Flow Rate	< 1 ft/sec
Odor	No	Ammonia	< 0.1 mg/l
Turbidity	None	Chlorine	No
Color	N/A	pH	7.00
Floatables	No	Detergents	< 0.5 mg/l
Comments			

City of Whitewater

Storm Water Outfall Inspection Report
Prepared by
WATER RESOURCE ASSOCIATES

Inspections were completed during dry weather conditions. Inspections were not conducted within 48 hours after a runoff producing rainfall event. To the extent possible, outfall inspections were avoided during periods of high ground water.

Outfall ID	1c970e0a	Outfall Location	
Outfall Classification	Priority	Inspection Date	4/22/2024
Outfall Size	24” PVC	Inspected By	T Whittaker
Outfall Description	No end section 15’ north of NE corner of parking lot		

Outfall Condition	
Pipe Condition	Average
Rip-Rap Condition	Poor (Consider Repair)
Erosion Condition	Minor Erosion
Comments	

Site Photo

Outfall Photo

Flow Data			
Active Flow	N	Flow Rate	N/A
Odor	No	Ammonia	N/A
Turbidity	N/A	Chlorine	No
Color	N/A	pH	N/A
Floatables	No	Detergents	N/A
Comments	N/A		