

Town of Delafield
Municipal Separate Storm Sewer System (MS4)
2023 Annual Report



WPDES Permit No. WI-S050105-3

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**.

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Form 3400-224(R8/2021)

Reporting Information :

Will you be completing the Annual Report or other submittal type? Annual Report Other

Project Name: 2023 Annual Report

County: Waukesha

Municipality: Delafield Town

Permit Number: S050105

Facility Number: 30731

Reporting Year: 2023

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

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 Delafield Town

Facility ID # or (FIN): 30731

Updated Information: Check to update mailing address information

Mailing Address: W302N1254 Maple Ave

Mailing Address 2:

City: Delafield Town

State: WI

Zip Code: 53018 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: Dan

Last Name: Green

Select to **update** current contact information

Title: Town Administrator

Mailing Address: W302 N1254 Maple Avenue

Mailing Address 2:

City: Delafield

State: WI

Zip Code: 53018 xxxxx or xxxxx-xxxx

Phone Number: 262-646-2398 Ext: xxx-xxx-xxxx

Email: dgreen@townofdelafield.org

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:

**Individual with responsibility for:
(Check all that apply)**

- I&E Program
- 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:

- 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:

Last Name:

Select to **update** current contact information

Title:

Mailing Address:

Mailing Address 2:

City:

State:

Zip Code: xxxxx or xxxxx-xxxx

Phone Number: Ext: xxx-xxx-xxxx

Email:

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

Yes No

Public Education and Outreach Waukesha County

Public Involvement and Participation Waukesha County

Illicit Discharge Detection and Elimination

Construction Site Pollutant Control Waukesha County

Post-Construction Storm Water Management

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:
- 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
<input checked="" type="checkbox"/> Education activities (school presentations, summer camps)	<input checked="" type="checkbox"/> Passive print media (brochures at front desk, posters, etc.)
<input checked="" type="checkbox"/> Information booth at event	<input checked="" type="checkbox"/> Distribution of print media (mailings, newsletters, etc.) via mail or email.
<input checked="" type="checkbox"/> Targeted group training (contractors, consultants, etc.)	<input checked="" type="checkbox"/> Media offerings (radio and TV ads, press release, etc.)
<input type="checkbox"/> Government event (public hearing, council meeting)	<input checked="" type="checkbox"/> Social media posts
<input checked="" type="checkbox"/> Workshops	<input checked="" type="checkbox"/> Signage
<input checked="" type="checkbox"/> Tours	<input checked="" type="checkbox"/> Website
<input type="checkbox"/> Other: <input type="text"/>	<input type="checkbox"/> Other: <input type="text"/>

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

- 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)
<input checked="" type="checkbox"/> MS4 Annual Report <input type="checkbox"/> Storm Water Management Program <input type="checkbox"/> Storm Water related ordinance <input type="checkbox"/> Other: <input type="text"/>	<input checked="" type="checkbox"/> General Public <input checked="" type="checkbox"/> Public Employees <input checked="" type="checkbox"/> Residents <input checked="" type="checkbox"/> Businesses <input type="checkbox"/> Contractors <input type="checkbox"/> Developers <input type="checkbox"/> Industries <input checked="" type="checkbox"/> Public Officials <input type="checkbox"/> Other	101 +	<input type="radio"/> Yes <input checked="" type="radio"/> 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	<input checked="" type="checkbox"/> General Public <input type="checkbox"/> Public Employees <input type="checkbox"/> Residents <input type="checkbox"/> Businesses <input type="checkbox"/> Contractors <input type="checkbox"/> Developers <input type="checkbox"/> Industries <input type="checkbox"/> Public Officials <input type="checkbox"/> Other	101 +	<input checked="" type="radio"/> Yes <input type="radio"/> No

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

Waukesha County leads all volunteer activities as a regional effort.

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?
- b. How many outfalls did the municipality evaluate as part of their routine ongoing field screening program?
- c. From the municipality's routine screening, how many were confirmed illicit discharges?
- d. How many illicit discharge complaints did the municipality receive?
- e. From the complaints received, how many were confirmed illicit discharges?
- f. 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.)

- g. 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
- Written Warning (including email)
- Notice of Violation
- Civil Penalty/ Citation

Additional Information: _____

- h. 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.*

IDDE Inspection results can be found on a separate attachment.

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?

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?

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)?

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
- Written Warning (including email)
- Notice of Violation
- Civil Penalty/ Citation
- Stop Work Order
- Forfeiture of Deposit
- 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

Form 3400-224 (R8/2021)

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 ?

*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.

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

f. How many municipally operated (private) storm water management BMPs were inspected in the reporting year? 0

g. 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

e. 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 or operated (i.e., privately owned BMPs) structural storm water management best management practices. 4

b. How many new municipally owned storm water management best 0

management practices were installed in the reporting year ?

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

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

e. How many of these facilities required maintenance?

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?

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

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

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?

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

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 _____
- No - Explain _____
- Not Applicable

Collection Services - *Leaf Collection Program* Not Applicable

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.*)

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
<u>Salt</u>	0	50	150	700	150	75

Liquids (gallons) (ex. brine)

	Oct	Nov	Dec	Jan	Feb	Mar
<u>Brine</u>	0	0	0	1500	0	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
<input style="width: 150px;" type="text"/>	<input style="width: 250px;" type="text"/>	<input style="width: 100px;" type="text"/>

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*

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):

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

Municipal Officials

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

Day to day discussions/input/direction as stormwater topics arise

- 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

Form 3400-224 (R8/2021)

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

4000	4000	4000	<u>General revenue fund</u>
------	------	------	-----------------------------

Element: Public Involvement and Participation

153	0	300	<u>General revenue fund</u>
-----	---	-----	-----------------------------

Element: Illicit Discharge Detection and Elimination

1992	2500	2000	<u>General revenue fund</u>
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Element: Construction Site Pollutant Control

0	0	0	<u>General revenue fund</u>
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Element: Post-Construction Storm Water Management

0	1000	1000	<u>General revenue fund</u>
---	------	------	-----------------------------

Element: Pollution Prevention

294	1000	500	<u>General revenue fund</u>
-----	------	-----	-----------------------------

Other (describe)

WQ Model, Annual Report, Misc.

4661	3500	4200	<u>General revenue fund</u>
------	------	------	-----------------------------

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

All categories with a zero are fulfilled by Waukesha County or the Town Engineer. The Highway Department budget was not included in this fiscal analysis.

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.*

As part of the Town's TMDL implementation plan, swale infiltration testing was started in 2024 and is expected to continue in 2024.

Do not close your work until you SAVE.

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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 EO

 File Attachment

[2 Activities List.pdf](#)

AR CSPC

 File Attachment

[4 town-of-delafield-construction site inspections.pdf](#)

AR IDDE

 File Attachment

[3 2023 IDDE Inspection Summary.pdf](#)

AR MuniFacInsp

 File Attachment

[5 2023 Highway Facility Inspections.pdf](#)

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

- Public Education and Outreach Annual Report Summary
- Public Involvement and Participation Annual Report Summary
- Illicit Discharge Detection and Elimination Annual Report Summary
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- Pollution Prevention Annual Report Summary
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- Other Annual Report Attachment

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](#)

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 Delafield Town 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.



Public Education & Outreach Information

INFORMATION AND EDUCATION LEDGER OF ACTIVITIES

Target --from workplan	Req #	req2	req3	Program Name	Activity	Column1	Date	Where	# People	Additional Description or Information
Teachers and Students	7			Nature Exploration	hike		1-5-23	Retzer	62	Nature Exploration program with Oconomowoc High School with water temperature investigation and discussion
General Public	7				presentation		1-23-23		739	Statewide Salt Awareness Week webinar: Freshwater Salinization Syndrome
General Public	7				presentation		1-24-23		387	SAW week webinar: Tracking Road Salt
General Public	7				presentation		1-25-23		366	SAW week webinar: Salty Drinking Water
General Public	7				presentation		1-26-23		255	SAW week webinar: DNR response to salt
General Public	7				presentation		1-27-23		224	SAW week webinar: Be A Salt Champion
Teachers and Students				Glacial landscape	hike		1-27-23	Retzer	45	glacial program including soil formation and importance of organic matter for infiltration
Teachers and Students	1	3	5	career	presentation		1-27-23	Retzer	40	career day with Wales Elementary
General Public	1	3	5		displays and handouts		2-21-23	Waukesha	1261	display at Town of Waukesha primary elections covering yard waste management
General Public	1				displays and handouts		2-28-23	Waukesha	50	storm drain delivers to lakes and rivers message at United Way mini golf event for Waukesha County
General Public	1				presentation		3-1-23	Retzer	12	water cycle hike to learn about water moving through the environment
Teachers and Students	5				presentation		3-3-23	Retzer	155	recycling program covering composting and improving water capture with compost
Teachers and Students	1	3	5	I Live in	presentation		3-6-23	Pewaukee	7	after school environmental club learned about water pollution and how they can prevent it
General Public	1	5			presentation		3-6-23	Retzer	12	training for Retzer volunteers to teach some talking points about water--talked about runoff, groundwater, storm drains and more
Teachers and Students	1	3	5	career	presentation		3-8-23	New Berlin	104	Career day for Ronald Reagan Elementary School
General Public	3				social media		3-15-23		2689	social media post about naturalizing the yard at Retzer--leaving dandelions and violets for pollinators and seeding clover to feed the grass
General Public	1				press release		3-22-23			press release about Adopt a Drain for World Water Day
Teachers and Students	1	3	5	career	presentation		3-24-23	New Berlin	92	career day for Orchard Lane Elementary
General public	9				volunteer appreciation		4-1-23	Retzer	25	appreciation event for Volunteer Stream Monitoring
Teachers and Students	5			rain gardens	presentation		4-4-23	Waukesha	60	rain garden program for 2 classes at Montessori school in Waukesha
General Public	1	2	3		displays and handouts		4-4-23	Waukesha	1905	display for Town of Waukesha spring elections
General Public	1				displays and handouts		4-4-23	Brookfield	1072	storm drain display for Town of Brookfield spring elections
Teachers and Students	1	2	3	I Live in	presentation		4-6-23	Genesee	32	water program for Magee Elementary Science Day
Teachers and students	3	5		Healthy Soils	presentation		4-6-23	Genesee	34	soils program for Magee Elementary Science Day
General Public	2	3	5	Sustainable Yardenir	presentation		4-11-23	Waukesha	55	presentation for Waukesha Public Library
Contractors, Dev & Consul				stormwater wkshop	presentation		4-12-23		135	
Contractors, Dev & Consul				stormwater wkshop	presentation		4-13-23		155	
General Public	1				presentation		4-17-23	Retzer	13	talked about runoff pollution with girl scouts
General Public	2	3	5	rain gardens and bar	presentation		4-18-23	Oconomowoc	4	Rain gardens and Rain Barrel program at Oconomowoc Library
General Public	2	3	5		presentation		4-18-23		15	watershed model for girl scouts working on Wonders of Water badge
Teachers and Students	5			glacial landscape	presentation		4-20-23	Retzer	140	cover soils and infiltration
General Public	1	2	3		displays and handouts		4-20-23	Oconomowoc	120	used watershed model at Parklawn Elementary Stem Night with parents and students
Teachers and Students	1	2	3	career	presentation		4-21-23	Mukwonago	45	used watershed model at Park View Middle School
General Public	1	2	3		displays and handouts		4-22-23	Retzer	163	used watershed model for outreach at Retzer Earth Day celebration
General Public	1	2	3		presentation		4-22-23	Elm Grove	32	watershed model for earth day celebration in Elm Grove
General Public	2	3	5	rain gardens	presentation		4-25-23	Pewaukee	62	Rain Garden design and installation class for Pewaukee Library in conjunction with Pewaukee Green Team
Teachers and Students	3	5		Healthy Soils	presentation		4-28-23	Retzer	52	Healthy Soils program for Cushing Elementary 2nd grade
General Public	6				meeting		5-4-23	Muskego	1	met with Homeowners Association to discuss pond maintenance
General Public	1	2	3	WAV training	training		5-6-23	Genesee	10	Water Action Volunteers training day
Teachers and Students	5			composting	presentation		5-10-23	Retzer	60	composting as part of recycling program
Teachers and Students	1	2	3	pond	presentation		5-10-23	Retzer	77	watershed model with Pond program
General Public	9				benchmark		5-11-23	Oconomowoc	2	benchmark on Oconomowoc River at Highway K
Teachers and Students	1	2	3	water resources	presentation		5-12-23	Pewaukee	200	presentation to 5th grade before trip to camp
General Public	9				benchmark		5-16-23	Pewaukee	2	benchmark visit for Pewaukee River at old SH164
General Public	1	5			presentation		5-17-23	Retzer	19	Secrets of Stream Life program for Outdoor Classroom at Retzer
Teachers and Students	1	2	3	pond	presentation		5-17-23	Retzer	64	watershed model with pond program
General Public	9				benchmark		5-19-23	Bark River	4	benchmark visit for Bark River at Hwy 67
General Public	9				benchmark		5-20-23	Vernon	2	benchmark visit for Mill Brook
Teachers and Students	3	5		healthy soils	presentation		5-22-23	Retzer	60	healthy soils program for Eagleville Elementary
General Public	9				benchmark		5-22-23	Pewaukee	9	site visit for Coco Creek with Pewaukee Women's Club
General Public	9				benchmark		5-22-23	Oconomowoc	2	benchmark for Oconomowoc River at Concord Rd
Teachers and Students	1	2	3	lake study	presentation		5-25-23	Camp Whitcomb	130	Lake study program for Pewaukee 5th graders
Teachers and Students	1	2	3	lake study	presentation		5-26-23	Camp Whitcomb	130	Lake study program for Pewaukee 5th graders
Teachers and Students	1			pond	presentation		5-26-23	Retzer	110	watershed model with pond program for Merton Elementary
Teachers and Students	1			stream study	presentation		6-2-23	Eagleville	28	biotic index on Jericho Creek with Eagleville Elementary
Teachers and Students	1	2	3	stream study	presentation		6-5-23	Prairie Springs	60	stream study with pollution discussion with Saratoga Stem Middle School
General Public	1	2	3	pond	presentation		6-7-23	Retzer	15	watershed model with pond program
Teachers and Students	1			pond	presentation		6-9-23	Retzer	42	watershed model with pond program for homeschool group
Teachers and Students	1	2	3	stream study	presentation		6-13-23	Eagleville	150	stream study with pollution discussion with Eagleville Elementary Summer School program
General Public	9				benchmark		6-13-23	Merton	2	benchmark monitoring for Bark River at Dorn Road
General Public	1	3	5	Environmental Science	presentation		6-15-23	Retzer	20	soil and water portions of Environmental Science Merit Badge
General Public	7			Sustainable Business	presentation		6-20-23	Retzer	32	Sustainable Business program covering salt use and winter maintenance as well as green infrastructure management
General Public	1	2	3		displays and handouts		6-24-23	Pewaukee	100	watershed model at Clean Water Festival
General Public	5	8			displays and handouts		6-24-23	Pewaukee	100	native plant roots display and rain garden information at Clean water Festival
General Public	1	5			displays and handouts		6-24-23	Pewaukee	100	impervious surfaces display and fishing activity for Clean Water Festival
General Public	9				benchmark		6-29-23	Merton	2	Benchmark for Bark River at Dorn Rd
General Public	1	3			displays and handouts		7-14-23	Wales	300	unstaffed display for beer garden event
Teachers and Students	1	2	3		presentation		7-14-23	Retzer	30	used watershed model as part of the pond program
General Public	1	2	3	I Live in a	presentation		7-20-23	Delafield	40	program for Kettle Moraine Garden Club

General Public	1			displays and handouts	7-21-23	Pewaukee	50	outreach at Touch a Truck event at Pewaukee Library
General Public	1	2	3	presentation	7-21-23	Retzer	20	training for Master Naturalist program covering groundwater, water pollution, stream monitoring
General Public	9			training	7-25-23	Prairie Springs	8	training for habitat assessment in WAV
General Public	1			displays and handouts	7-26-23	Hartland	400	outreach at Hartland Kids Fest
General Public	9			field work	7-27-23	Mukwonago	10	Asian Clam survey on Mukwonago River
General Public	1			displays and handouts	8-1-23	Mukwonago	200	storm drain display at National Night out event
General Public	1	3		displays and handouts	8-1-23	Merton	200	display for National Night out event
General Public	1			displays and handouts	8-2-23	Sussex	200	storm drain display at National Night out event
General Public	1			displays and handouts	8-8-23	Oconomowoc	500	departmental outreach at Kids Fest event
General Public	1	2	3	presentation	8-9-23	Retzer	6	Sustainable Yardening presentation
General Public	1	2	3	displays and handouts	8-9-23	Retzer	30	stormwater activities including rain gardens, impervious surfaces, water monitoring, watershed model and more
General Public	9			field work	8-10-23	Hartland	4	Asian Clam survey on Bark River at Nixon Park
General Public	1	3		displays and handouts	8-12-23	Wales	200	unstaffed display for beer garden event
General Public	9			field work	8-19-23	Mukwonago	9	Snapshot Day search for invasive species
Teachers and Students	1			presentation	8-22-23	Retzer	80	program with aquatic inverts
General Public	5			presentation	8-22-23			appearance on Fox 6 to promote rain gardens and Sustainability Fair
General Public	5			presentation	8-26-23	Retzer	7	demonstration on rain gardens at Sustainability Fair
General Public	1	2	3	presentation	8-26-23	Retzer	9	Sustainable Yardening program at Sustainability Fair
Teachers and Students	6	8	Sustainable Bldg	presentation	29-23	WCTC	13	Virtual program for WCTC Sustainable Building Class
General Public	2	3		presentation	9-6-23	The Moring Blend		Appearance on the Moring Blend on WTMJ covering storm drains and keeping them clean
General Public	1	3		displays and handouts	9-8-23	Wales	40	unstaffed display for beer garden event
Teachers and Students	3	5	Healthy Soils	presentation	9-11-23	Waukesha	46	Hillcrest Elementary Healthy Soils--two classes
Teachers and Students	3	5	Healthy Soils	presentation	9-12-23	Waukesha	54	Prairie Elementary - two classes
Teachers and Students	3	5	Healthy Soils	presentation	9-13-23	Waukesha	108	healthy soils program for 4 classes at Rose Glen Elementary
Teachers and Students	1	7		field work	9-14-23	Brookfield	25	stream monitoring with 7th grade from St. Mary's, Elm Grove
General Public	1	2	3	Live in a	9-14-23	Brookfield	9	program using watershed model for Elmbrook Library
General Public	1	2	3	displays and handouts	9-15 to 17	North Prairie	500	display at Fall Festival event
General Public	9			field work	9-18-23	Pewaukee	8	Met with Pewaukee Ladies Club for fall monitoring
Teachers and Students	3	5	Healthy Soils	presentation	9-20-23	Waukesha	20	Waukesha STEM at the old Whittier campus
General Public	5			displays and handouts	9-23-23	Retzer	1800	impervious surfaces display and fishing activity for Apple Harvest Fest
Businesses	7				9-26-23	Muskego	6	met with Badger Color Concentrates to review stormwater plan
Teachers and Students	1	2	3	presentation	10-23	Waukesha	614	worked with Waukesha School district to have watershed model used with all 5th grade programs
Teachers and Students	1		Water Journey	presentation	10-2-23	Retzer	10	Incredible Water Journey with class from Hamilton High School
Teachers and Students	1	2	3	Live in a	10-5-23	Waukesha	60	3 classes of 5th graders at Hadfield Elementary talking about runoff pollution with watershed model
Teachers and Students	1	2	3	Live in a	10-9-23	Waukesha	24	watershed program with model at Saratoga STEM academy
Teachers and Students	1	2	3	field experience	10-10-23	Eagleville	37	water testing on Jericho Creek with Eagleville Elementary
Teachers and Students	1	2	3	career	10-12-23	Pewaukee	42	watershed model at career day at Pewaukee High School
Teachers and Students	1	2	3	Live in a	10-20-23	Retzer	80	Watershed program for 3rd grade from Clarendon Ave Elementary from Mukwonago
Teachers and Students	6	8	Sustainable Bldg	presentation	11-1-23	WCTC	25	Virtual program for WCTC Sustainable Building Class
Contractors, Dev & Consl	7			workshop	11-2-23	Retzer	38	Saltwise training for parking lots and sidewalks
General Public				displays and handouts	11-4-23	Retzer	200	hands on activity table covering salt use at Science Fest
General Public	1	2	3	presentation	11-4-23	Retzer	64	presentation with the watershed model at Science Fest
General Public	7		horse mgmt	presentation	11-16-23	Waukesha	21	horse management workshop to cover manure storage and spreading
Teachers and Students	1	5		water testing	11-28-23	Sussex	52	water testing for Sussex Hamilton AP students
General Public	2	3	6	displays and handouts	12-5-23	Merton	300	display at annual tree lighting and community center open house
Teachers and Students	1	2	3	career	12-11-23	Wales	64	career day at Kettle Moraine High school
General Public	2	3	6	displays and handouts	12-6-23	Pewaukee	300	display at City of Pewaukee through the end of the year during tax payment season



Illicit Discharge Detection & Elimination Inspections



TABLE 1 - ILLICIT DISCHARGE INSPECTION SUMMARY 6/9/2023

Sub Basin	Subwatershed	Outfall Description	Pipe Material	Pipe Size	Sampled	Illicit Discharge?	Follow-up Work Required
BRD1-34-3-1	Brandy Brook	Culvert	RCP	Dual 48" x 30" Ellipse	NO	NO	
NMB1-30-3-2	Nemahbin Lake	Culvert	CMP	42" x 30" Ellipse	NO	NO	
PWK1-12-1-1	Pewaukee Lake	MH	RCP	60"	NO	NO	
PWK1-12-3-8	Pewaukee Lake	Culvert	RCP	84" x 52" Ellipse	NO	NO	
PWK1-14-1-1	Pewaukee Lake	Culvert	RCP	42" Circle	NO	NO	
PWK1-14-2-1	Pewaukee Lake	Culvert	CMP	5' x 3.5' Ellipse	NO	NO	
PWK1-15-4-1	Pewaukee Lake	Culvert	CMP	48" x 36" Ellipse	NO	NO	
PWK1-15-4-2	Pewaukee Lake	Culvert	RCP	48" x 24" Ellipse	NO	NO	
PWK1-22-1-1	Pewaukee Lake	MH	RCP	24" Circle	YES	NO	
PWK1-22-2-1	Pewaukee Lake	Culvert	RCP	Dual 36" Circle	NO	NO	
PWK1-22-4-1	Pewaukee Lake	Culvert	CMP	36" Circle	NO	NO	
PWK1-23-1-1	Pewaukee Lake	Culvert	RCP	Dual 24" Circle	YES	NO	
PWK1-23-2-1	Pewaukee Lake	Culvert	CMP	Dual 36" Circle	YES	NO	
PWK1-23-4-1	Pewaukee Lake	Culvert	CMP	30" x 36" Ellipse	YES	NO	
PWK1-24-3-1	Pewaukee Lake	Culvert	CMP	54" Circle	YES	NO	
PWK1-24-4-2	Pewaukee Lake	Culvert	RCP	6' x 6' Box	NO	NO	
PWK1-26-1-1	Pewaukee Lake	Culvert	CMP	Dual 45" Circle	NO	NO	
PWK1-26-1-2	Brandy Brook	Culvert	CMP	40" x 32" Ellipse	NO	NO	
PWK1-26-2-1	Pewaukee Lake	Culvert	CMP	Dual 36" Circle	NO	NO	
PWK1-26-2-2	Pewaukee Lake	Culvert	RCP	60" x 36" Ellipse	YES	NO	
SCP1-31-3-1	Scuppernong Creek	Culvert	CMP	24" x 34"	NO	NO	
SCP2-28-1-1	Brandy Brook	Culvert	CMP	Dual 36" x 24" Ellipse	NO	NO	
SCP2-28-1-2	Scuppernong Creek	Culvert	CMP	Dual 34" x 26" Ellipse	NO	NO	
SCP2-28-3-1	Scuppernong Creek	Culvert	CMP	28" x 42" Ellipse	NO	NO	
SCP2-33-3-1	Scuppernong Creek	Culvert	RCP	Dual 36" Circle	NO	NO	
SCP2-33-4-1	Brandy Brook	Culvert	CMP	52" x 36" Ellipse	NO	NO	



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	SCP1-31-3-1			
Date of Last Rainfall	6-6-23 (0.38")			
Date Inspection Performed	6-9-23			
Name of Inspector	RRS JAM			
Receiving Water	Scuppernong Creek			
M.H. or Outfall (Circle One)	M.H. <u>Outfall</u>			
Pipe Size	24" x 34"			
Pipe Material (Circle One)	RCP	<u>CMP</u>	PVC	HDPE
	Steel	DI	VCP	Other
Color (Circle One)	Clear	Yellow	Gray	Orange
	Brown	Green	Red	Other
Turbidity (Circle One)	Clear	Slightly Cloudy	Cloudy	Opaque
Surface Sheen (Circle One)	None	Oil	Gasoline	
	Scum	Unknown		
Odor (Circle One)	None	Oil	Decaying Vegetation	SO ₂
	Fuel	Sewage	Methane	Unknown
Pipe Active (Circle One)	<u>No</u>	Trickle	Moderate	Substantial

IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 – 9.0	
Total Chlorine Level*	< 0.2 mg/L	
Total Copper Level*	< 0.1 mg/L	
Total Phenol Level*	< 0.5 mg/L	
Detergents Level*	< 0.25 mg/L	
Water Temperature	-	°F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Pipe not active

PHOTO INSET
2 photos



SCP1-31-3-1



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	NMB1-30-3-2
Date of Last Rainfall	6-6-23 (0.38")
Date Inspection Performed	6-9-23
Name of Inspector	RRS JAM
Receiving Water	Nemahbin Lake
M.H. or Outfall (Circle One)	M.H. <u>Outfall</u>
Pipe Size	42" x 30"
Pipe Material (Circle One)	RCP <u>CMP</u> PVC HDPE Steel DI VCP Other
Color (Circle One)	Clear Yellow Gray Orange Brown Green Red Other
Turbidity (Circle One)	Clear Slightly Cloudy Cloudy Opaque
Surface Sheen (Circle One)	None Oil Gasoline Scum Unknown
Odor (Circle One)	None Oil Decaying Vegetation SO ₂ Fuel Sewage Methane Unknown
Pipe Active (Circle One)	<u>No</u> Trickle Moderate Substantial

IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 – 9.0	
Total Chlorine Level*	< 0.2 mg/L	
Total Copper Level*	< 0.1 mg/L	
Total Phenol Level*	< 0.5 mg/L	
Detergents Level*	< 0.25 mg/L	
Water Temperature	-	°F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Pipe not active

PHOTO INSET
2 photos



NMB1-30-3-2



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	BRD1-34-3-1				
Date of Last Rainfall	6-6-23 (0.38")				
Date Inspection Performed	6-9-23				
Name of Inspector	RRS JAM				
Receiving Water	Brandy Brook				
M.H. or Outfall (Circle One)	M.H.		<u>Outfall</u>		
Pipe Size	2 - 48" x 30"				
Pipe Material (Circle One)	<u>RCP</u>	CMP	PVC	HDPE	
	Steel	DI	VCP	Other	
Color (Circle One)	Clear	Yellow	Gray	Orange	
	Brown	Green	Red	Other	
Turbidity (Circle One)	Clear	Slightly Cloudy	Cloudy	Opaque	
Surface Sheen (Circle One)	None	Oil	Unknown	Gasoline	
	Scum				
Odor (Circle One)	None	Oil	Decaying Vegetation	SO ₂	
	Fuel	Sewage	Methane	Unknown	
Pipe Active (Circle One)	<u>No</u>	Trickle	Moderate	Substantial	

IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 - 9.0	
Total Chlorine Level*	< 0.2 mg/L	
Total Copper Level*	< 0.1 mg/L	
Total Phenol Level*	< 0.5 mg/L	
Detergents Level*	< 0.25 mg/L	
Water Temperature	-	°F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Pipe not active

PHOTO INSET
2 photos



BRD1-34-3-1



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	SCP2-33-4-1				
Date of Last Rainfall	6-6-23 (0.38")				
Date Inspection Performed	6-9-23				
Name of Inspector	RRS JAM				
Receiving Water	Brandy Brook				
M.H. or Outfall (Circle One)	M.H. <u>Outfall</u>				
Pipe Size	52" x 36"				
Pipe Material (Circle One)	RCP	<u>CMP</u>	PVC	HDPE	
	Steel	DI	VCP	Other	
Color (Circle One)	Clear	Yellow	Gray	Orange	
	Brown	Green	Red	Other	
Turbidity (Circle One)	Clear	Slightly Cloudy	Cloudy	Opaque	
Surface Sheen (Circle One)	None	Oil	Gasoline		
	Scum	Unknown			
Odor (Circle One)	None	Oil	Decaying Vegetation	SO ₂	
	Fuel	Sewage	Methane	Unknown	
Pipe Active (Circle One)	<u>No</u>	Trickle	Moderate	Substantial	

IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 – 9.0	
Total Chlorine Level*	< 0.2 mg/L	
Total Copper Level*	< 0.1 mg/L	
Total Phenol Level*	< 0.5 mg/L	
Detergents Level*	< 0.25 mg/L	
Water Temperature	-	°F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Pipe not active

PHOTO INSET
2 photos



SCP2-33-4-1



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	SCP2-33-3-1				
Date of Last Rainfall	6-6-23 (0.38")				
Date Inspection Performed	6-9-23				
Name of Inspector	RRS JAM				
Receiving Water	Scuppernong Creek				
M.H. or Outfall (Circle One)	M.H. <u>Outfall</u>				
Pipe Size	2 - 36"				
Pipe Material (Circle One)	<u>RCP</u>	CMP	PVC	HDPE	
	Steel	DI	VCP	Other	
Color (Circle One)	Clear	Yellow	Gray	Orange	
	Brown	Green	Red	Other	
Turbidity (Circle One)	Clear	Slightly Cloudy	Cloudy	Opaque	
Surface Sheen (Circle One)	None	Oil	Gasoline		
	Scum	Unknown			
Odor (Circle One)	None	Oil	Decaying Vegetation	SO ₂	
	Fuel	Sewage	Methane	Unknown	
Pipe Active (Circle One)	<u>No</u>	Trickle	Moderate	Substantial	

IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 - 9.0	
Total Chlorine Level*	< 0.2 mg/L	
Total Copper Level*	< 0.1 mg/L	
Total Phenol Level*	< 0.5 mg/L	
Detergents Level*	< 0.25 mg/L	
Water Temperature	-	°F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Pipe not active

PHOTO INSET
2 photos



SCP2-33-3-1



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	SCP2-28-3-1				
Date of Last Rainfall	6-6-23 (0.38")				
Date Inspection Performed	6-9-23				
Name of Inspector	RRS JAM				
Receiving Water	Scuppernong Creek				
M.H. or Outfall (Circle One)	M.H. <u>Outfall</u>				
Pipe Size	28" x 42"				
Pipe Material (Circle One)	RCP	<u>CMP</u>	PVC	HDPE	
	Steel	DI	VCP	Other	
Color (Circle One)	Clear	Yellow	Gray	Orange	
	Brown	Green	Red	Other	
Turbidity (Circle One)	Clear	Slightly Cloudy	Cloudy	Opaque	
Surface Sheen (Circle One)	None	Oil		Gasoline	
		Scum	Unknown		
Odor (Circle One)	None	Oil	Decaying Vegetation	SO ₂	
		Fuel	Sewage	Methane	Unknown
Pipe Active (Circle One)	<u>No</u>	Trickle	Moderate	Substantial	

IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 – 9.0	
Total Chlorine Level*	< 0.2 mg/L	
Total Copper Level*	< 0.1 mg/L	
Total Phenol Level*	< 0.5 mg/L	
Detergents Level*	< 0.25 mg/L	
Water Temperature	-	°F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Pipe not active

PHOTO INSET
2 photos



SCP2-28-3-1



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	SCP2-28-1-2			
Date of Last Rainfall	6-6-23 (0.38")			
Date Inspection Performed	6-9-23			
Name of Inspector	RRS JAM			
Receiving Water	Scuppernong Creek			
M.H. or Outfall (Circle One)	M.H.		<u>Outfall</u>	
Pipe Size	2 - 34" x 26"			
Pipe Material (Circle One)	RCP	<u>CMP</u>	PVC	HDPE
	Steel	DI	VCP	Other
Color (Circle One)	Clear	Yellow	Gray	Orange
	Brown	Green	Red	Other
Turbidity (Circle One)	Clear	Slightly Cloudy	Cloudy	Opaque
Surface Sheen (Circle One)	None	Oil	Gasoline	
		Scum	Unknown	
Odor (Circle One)	None	Oil	Decaying Vegetation	SO ₂
		Fuel	Sewage	Methane
Pipe Active (Circle One)	<u>No</u>	Trickle	Moderate	Substantial

IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 - 9.0	
Total Chlorine Level*	< 0.2 mg/L	
Total Copper Level*	< 0.1 mg/L	
Total Phenol Level*	< 0.5 mg/L	
Detergents Level*	< 0.25 mg/L	
Water Temperature	-	°F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Pipe not active

PHOTO INSET
2 photos



SCP2-28-1-2



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	SCP2-28-1-1				
Date of Last Rainfall	6-6-23 (0.38")				
Date Inspection Performed	6-9-23				
Name of Inspector	RRS JAM				
Receiving Water	Brandy Brook				
M.H. or Outfall (Circle One)	M.H. <u>Outfall</u>				
Pipe Size	2 - 36" x 24"				
Pipe Material (Circle One)	RCP	<u>CMP</u>	PVC	HDPE	
	Steel	DI	VCP	Other	
Color (Circle One)	Clear	Yellow	Gray	Orange	
	Brown	Green	Red	Other	
Turbidity (Circle One)	Clear	Slightly Cloudy	Cloudy	Opaque	
Surface Sheen (Circle One)	None	Oil	Gasoline		
	Scum	Unknown			
Odor (Circle One)	None	Oil	Decaying Vegetation	SO ₂	
	Fuel	Sewage	Methane	Unknown	
Pipe Active (Circle One)	<u>No</u>	Trickle	Moderate	Substantial	

IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 - 9.0	
Total Chlorine Level*	< 0.2 mg/L	
Total Copper Level*	< 0.1 mg/L	
Total Phenol Level*	< 0.5 mg/L	
Detergents Level*	< 0.25 mg/L	
Water Temperature	-	°F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Pipe not active

PHOTO INSET
2 photos



SCP2-28-1-1



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	PWK1-26-2-2			
Date of Last Rainfall	6-6-23 (0.38")			
Date Inspection Performed	6-9-23			
Name of Inspector	RRS JAM			
Receiving Water	Pewaukee Lake			
M.H. or Outfall (Circle One)	M.H. <u>Outfall</u>			
Pipe Size	60" x 36"			
Pipe Material (Circle One)	<u>RCP</u>	CMP	PVC	HDPE
	Steel	DI	VCP	Other
Color (Circle One)	<u>Clear</u>	Yellow	Gray	Orange
	Brown	Green	Red	Other
Turbidity (Circle One)	<u>Clear</u>	Slightly Cloudy	Cloudy	Opaque
Surface Sheen (Circle One)	<u>None</u>	Oil	Gasoline	
	Scum	Unknown		
Odor (Circle One)	None	Oil	<u>Decaying Vegetation</u>	SO ₂
	Fuel	Sewage	Methane	Unknown
Pipe Active (Circle One)	No	<u>Trickle</u>	Moderate	Substantial

IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 – 9.0	8.5
Total Chlorine Level*	< 0.2 mg/L	0.0
Total Copper Level*	< 0.1 mg/L	0.0
Total Phenol Level*	< 0.5 mg/L	0.0
Detergents Level*	< 0.25 mg/L	0.0
Water Temperature	-	68.5 °F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Pipe active
Sample taken

PHOTO INSET
2 photos



PWK1-26-2-2



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	PWK1-26-2-1			
Date of Last Rainfall	6-6-23 (0.38")			
Date Inspection Performed	6-9-23			
Name of Inspector	RRS JAM			
Receiving Water	Pewaukee Lake			
M.H. or Outfall (Circle One)	M.H.	<u>Outfall</u>		
Pipe Size	2 - 36"			
Pipe Material (Circle One)	RCP	<u>CMP</u>	PVC	HDPE
	Steel	DI	VCP	Other
Color (Circle One)	Clear	Yellow	Gray	Orange
	Brown	Green	Red	Other
Turbidity (Circle One)	Clear	Slightly Cloudy	Cloudy	Opaque
Surface Sheen (Circle One)	None	Oil	Gasoline	
	Scum	Unknown		
Odor (Circle One)	None	Oil	Decaying Vegetation	SO ₂
	Fuel	Sewage	Methane	Unknown
Pipe Active (Circle One)	<u>No</u>	Trickle	Moderate	Substantial

IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 - 9.0	
Total Chlorine Level*	< 0.2 mg/L	
Total Copper Level*	< 0.1 mg/L	
Total Phenol Level*	< 0.5 mg/L	
Detergents Level*	< 0.25 mg/L	
Water Temperature	-	°F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Water present but not flowing

PHOTO INSET
2 photos



PWK1-26-2-1



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	PWK1-26-1-1				
Date of Last Rainfall	6-6-23 (0.38")				
Date Inspection Performed	6-9-23				
Name of Inspector	RRS JAM				
Receiving Water	Pewaukee Lake				
M.H. or Outfall (Circle One)	M.H. <u>Outfall</u>				
Pipe Size	2-45"				
Pipe Material (Circle One)	RCP	<u>CMP</u>	PVC	HDPE	
	Steel	DI	VCP	Other	
Color (Circle One)	Clear	Yellow	Gray	Orange	
	Brown	Green	Red	Other	
Turbidity (Circle One)	Clear	Slightly Cloudy	Cloudy	Opaque	
Surface Sheen (Circle One)	None	Oil	Gasoline		
	Scum	Unknown			
Odor (Circle One)	None	Oil	Decaying Vegetation	SO ₂	
	Fuel	Sewage	Methane	Unknown	
Pipe Active (Circle One)	<u>No</u>	Trickle	Moderate	Substantial	

IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 – 9.0	
Total Chlorine Level*	< 0.2 mg/L	
Total Copper Level*	< 0.1 mg/L	
Total Phenol Level*	< 0.5 mg/L	
Detergents Level*	< 0.25 mg/L	
Water Temperature	-	°F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Water present but not flowing

PHOTO INSET
2 photos



PWK1-26-1-1



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	PWK1-26-1-2			
Date of Last Rainfall	6-6-23 (0.38")			
Date Inspection Performed	6-9-23			
Name of Inspector	RRS JAM			
Receiving Water	Brandy Brook			
M.H. or Outfall (Circle One)	M.H. <u>Outfall</u>			
Pipe Size	40" x 32"			
Pipe Material (Circle One)	RCP	<u>CMP</u>	PVC	HDPE
	Steel	DI	VCP	Other
Color (Circle One)	Clear	Yellow	Gray	Orange
	Brown	Green	Red	Other
Turbidity (Circle One)	Clear	Slightly Cloudy	Cloudy	Opaque
Surface Sheen (Circle One)	None	Oil	Gasoline	
	Scum	Unknown		
Odor (Circle One)	None	Oil	Decaying Vegetation	SO ₂
	Fuel	Sewage	Methane	Unknown
Pipe Active (Circle One)	<u>No</u>	Trickle	Moderate	Substantial

**IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO
DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.**

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 – 9.0	
Total Chlorine Level*	< 0.2 mg/L	
Total Copper Level*	< 0.1 mg/L	
Total Phenol Level*	< 0.5 mg/L	
Detergents Level*	< 0.25 mg/L	
Water Temperature	-	°F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Pipe not active

PHOTO INSET
2 photos



PWK1-26-1-2



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	PWK1-24-3-1			
Date of Last Rainfall	6-6-23 (0.38")			
Date Inspection Performed	6-9-23			
Name of Inspector	RES JAM			
Receiving Water	Pewaukee Lake			
M.H. or Outfall (Circle One)	M.H.		<u>Outfall</u>	
Pipe Size	54"			
Pipe Material (Circle One)	RCP	<u>CMP</u>	PVC	HDPE
	Steel	DI	VCP	Other
Color (Circle One)	<u>Clear</u>	Yellow	Gray	Orange
	Brown	Green	Red	Other
Turbidity (Circle One)	<u>Clear</u>	Slightly Cloudy	Cloudy	Opaque
Surface Sheen (Circle One)	<u>None</u>	Oil	Gasoline	
	Scum	Unknown		
Odor (Circle One)	<u>None</u>	Oil	Decaying Vegetation	SO ₂
	Fuel	Sewage	Methane	Unknown
Pipe Active (Circle One)	No	<u>Trickle</u>	Moderate	Substantial

IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 – 9.0	8.5
Total Chlorine Level*	< 0.2 mg/L	0.0
Total Copper Level*	< 0.1 mg/L	0.0
Total Phenol Level*	< 0.5 mg/L	0.0
Detergents Level*	< 0.25 mg/L	0.0
Water Temperature	-	62.6 °F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Pipe active
Sample taken

PHOTO INSET
2 photos



PWK1-24-3-1



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	PWK1-24-4-2			
Date of Last Rainfall	6-6-23 (0.38")			
Date Inspection Performed	6-9-23			
Name of Inspector	RES JAM			
Receiving Water	Pewaukee Lake			
M.H. or Outfall (Circle One)	M.H. <u>Outfall</u>			
Pipe Size	6' x 6'			
Pipe Material (Circle One)	<u>RCP</u>	CMP	PVC	HDPE
	Steel	DI	VCP	Other
Color (Circle One)	Clear	Yellow	Gray	Orange
	Brown	Green	Red	Other
Turbidity (Circle One)	Clear	Slightly Cloudy	Cloudy	Opaque
Surface Sheen (Circle One)	None	Oil	Gasoline	
	Scum	Unknown		
Odor (Circle One)	None	Oil	Decaying Vegetation	SO ₂
	Fuel	Sewage	Methane	Unknown
Pipe Active (Circle One)	<u>No</u>	Trickle	Moderate	Substantial

IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 – 9.0	
Total Chlorine Level*	< 0.2 mg/L	
Total Copper Level*	< 0.1 mg/L	
Total Phenol Level*	< 0.5 mg/L	
Detergents Level*	< 0.25 mg/L	
Water Temperature	-	°F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Pipe not active

PHOTO INSET
1 photo



PWK1-24-4-2



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	PWK1-23-4-1				
Date of Last Rainfall	6-6-23 (0.38")				
Date Inspection Performed	6-9-23				
Name of Inspector	RES JAM				
Receiving Water	Pewaukee Lake				
M.H. or Outfall (Circle One)	M.H.	<u>Outfall</u>			
Pipe Size	30" x 36"				
Pipe Material (Circle One)	RCP	<u>CMP</u>	PVC	HDPE	
	Steel	DI	VCP	Other	
Color (Circle One)	<u>Clear</u>	Yellow	Gray	Orange	
	Brown	Green	Red	Other	
Turbidity (Circle One)	<u>Clear</u>	Slightly Cloudy	Cloudy	Opaque	
Surface Sheen (Circle One)	<u>None</u>	Oil	Gasoline		
	Scum	Unknown			
Odor (Circle One)	<u>None</u>	Oil	Decaying Vegetation	SO ₂	
	Fuel	Sewage	Methane	Unknown	
Pipe Active (Circle One)	No	<u>Trickle</u>	Moderate	Substantial	

IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 – 9.0	8.5
Total Chlorine Level*	< 0.2 mg/L	0.0
Total Copper Level*	< 0.1 mg/L	0.0
Total Phenol Level*	< 0.5 mg/L	0.0
Detergents Level*	< 0.25 mg/L	0.0
Water Temperature	-	62.2 °F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Pipe active
Sample taken

PHOTO INSET
1 photo



PWK1-23-4-1



Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3

Outfall ID	PWK1-23-1-1				
Date of Last Rainfall	6-6-23 (0.38")				
Date Inspection Performed	6-9-23				
Name of Inspector	RRS JAM				
Receiving Water	Pewaukee Lake				
M.H. or Outfall (Circle One)	M.H. <u>Outfall</u>				
Pipe Size	2-24"				
Pipe Material (Circle One)	<u>RCP</u>	CMP	PVC	HDPE	
	Steel	DI	VCP	Other	
Color (Circle One)	<u>Clear</u>	Yellow	Gray	Orange	
	Brown	Green	Red	Other	
Turbidity (Circle One)	<u>Clear</u>	Slightly Cloudy	Cloudy	Opaque	
Surface Sheen (Circle One)	<u>None</u>	Oil	Gasoline		
	Scum	Unknown			
Odor (Circle One)	<u>None</u>	Oil	Decaying Vegetation	SO ₂	
	Fuel	Sewage	Methane	Unknown	
Pipe Active (Circle One)	No	<u>Trickle</u>	Moderate	Substantial	

IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 – 9.0	8.5
Total Chlorine Level*	< 0.2 mg/L	0.1
Total Copper Level*	< 0.1 mg/L	0.0
Total Phenol Level*	< 0.5 mg/L	0.0
Detergents Level*	< 0.25 mg/L	0.0
Water Temperature	-	57.9 °F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Pipe active
Sample taken
upstream end section
rested out

PHOTO INSET
2 photos



PWK1-23-1-1



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	PWK1-23-2-1				
Date of Last Rainfall	6-6-23 (0.38")				
Date Inspection Performed	6-9-23				
Name of Inspector	RRS JAM				
Receiving Water	Pewaukee Lake				
M.H. or Outfall (Circle One)	M.H. <u>Outfall</u>				
Pipe Size	2-36", 1-32"				
Pipe Material (Circle One)	RCP	<u>CMP</u>	PVC	HDPE	
	Steel	DI	VCP	Other	
Color (Circle One)	<u>Clear</u>	Yellow	Gray	Orange	
	Brown	Green	Red	Other	
Turbidity (Circle One)	<u>Clear</u>	Slightly Cloudy	Cloudy	Opaque	
Surface Sheen (Circle One)	<u>None</u>	Oil	Gasoline		
	Scum	Unknown			
Odor (Circle One)	<u>None</u>	Oil	Decaying Vegetation	SO ₂	
	Fuel	Sewage	Methane	Unknown	
Pipe Active (Circle One)	No	Trickle	<u>Moderate</u>	Substantial	

IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 – 9.0	8.0
Total Chlorine Level*	< 0.2 mg/L	0.0
Total Copper Level*	< 0.1 mg/L	0.0
Total Phenol Level*	< 0.5 mg/L	0.0
Detergents Level*	< 0.25 mg/L	0.0
Water Temperature	-	66.7 °F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Pipe active
Sample taken

PHOTO INSET
1 photo



PWK1-23-2-1



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	PWK1-22-1-1				
Date of Last Rainfall	6-6-2023 (0.38")				
Date Inspection Performed	6-9-2023				
Name of Inspector	RRS + JAM				
Receiving Water	Pewaukee Lake				
M.H. or Outfall (Circle One)	M.H.		Outfall		
Pipe Size	24"				
Pipe Material (Circle One)	RCP	CMP	PVC	HDPE	
	Steel	DI	VCP	Other	
Color (Circle One)	Clear	Yellow	Gray	Orange	
	Brown	Green	Red	Other	
Turbidity (Circle One)	Clear	Slightly Cloudy	Cloudy	Opaque	
Surface Sheen (Circle One)	None	Oil	Gasoline		
	Scum	Unknown			
Odor (Circle One)	None	Oil	Decaying Vegetation	SO ₂	
	Fuel	Sewage	Methane	Unknown	
Pipe Active (Circle One)	No	Trickle	Moderate	Substantial	

IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 – 9.0	8.0
Total Chlorine Level*	< 0.2 mg/L	0.0
Total Copper Level*	< 0.1 mg/L	0.0
Total Phenol Level*	< 0.5 mg/L	0.0
Detergents Level*	< 0.25 mg/L	0.0
Water Temperature	-	59.7 °F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
SAMPLE TAKEN

PHOTO INSET
2 PHOTOS



PWK1-22-1-1



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	PWK1-22-4-1			
Date of Last Rainfall	6-6-23 (0.38")			
Date Inspection Performed	6-9-23			
Name of Inspector	RRS JAM			
Receiving Water	Pewaukee Lake			
M.H. or Outfall (Circle One)	M.H.		<u>Outfall</u>	
Pipe Size	36"			
Pipe Material (Circle One)	RCP	<u>CMP</u>	PVC	HDPE
	Steel	DI	VCP	Other
Color (Circle One)	Clear	Yellow	Gray	Orange
	Brown	Green	Red	Other
Turbidity (Circle One)	Clear	Slightly Cloudy	Cloudy	Opaque
Surface Sheen (Circle One)	None	Oil	Gasoline	
	Scum	Unknown		
Odor (Circle One)	None	Oil	Decaying Vegetation	SO ₂
	Fuel	Sewage	Methane	Unknown
Pipe Active (Circle One)	<u>No</u>	Trickle	Moderate	Substantial

IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 – 9.0	
Total Chlorine Level*	< 0.2 mg/L	
Total Copper Level*	< 0.1 mg/L	
Total Phenol Level*	< 0.5 mg/L	
Detergents Level*	< 0.25 mg/L	
Water Temperature	-	°F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Pipe not active

PHOTO INSET
2 photos



PWK1-22-4-1



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	PWK1-22-2-1			
Date of Last Rainfall	6-6-23 (0.38")			
Date Inspection Performed	6-9-23			
Name of Inspector	RRS JAM			
Receiving Water	Pewaukee Lake			
M.H. or Outfall (Circle One)	M.H.	<u>Outfall</u>		
Pipe Size	2 - 36"			
Pipe Material (Circle One)	<u>RCP</u>	CMP	PVC	HDPE
	Steel	DI	VCP	Other
Color (Circle One)	Clear	Yellow	Gray	Orange
	Brown	Green	Red	Other
Turbidity (Circle One)	Clear	Slightly Cloudy	Cloudy	Opaque
Surface Sheen (Circle One)	None	Oil	Gasoline	
		Scum	Unknown	
Odor (Circle One)	None	Oil	Decaying Vegetation	SO ₂
		Fuel	Sewage	Methane
Pipe Active (Circle One)	<u>No</u>	Trickle	Moderate	Substantial

IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 - 9.0	
Total Chlorine Level*	< 0.2 mg/L	
Total Copper Level*	< 0.1 mg/L	
Total Phenol Level*	< 0.5 mg/L	
Detergents Level*	< 0.25 mg/L	
Water Temperature	-	°F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Pipe not active

PHOTO INSET
2 photos



PWK1-22-2-1



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	PWK1-15-4-1			
Date of Last Rainfall	6-6-23 (10.38")			
Date Inspection Performed	6-9-23			
Name of Inspector	RRS JAM			
Receiving Water	Pewaukee Lake			
M.H. or Outfall (Circle One)	M.H.		<u>Outfall</u>	
Pipe Size	48" x 36"			
Pipe Material (Circle One)	RCP	<u>CMP</u>	PVC	HDPE
	Steel	DI	VCP	Other
Color (Circle One)	Clear	Yellow	Gray	Orange
	Brown	Green	Red	Other
Turbidity (Circle One)	Clear	Slightly Cloudy	Cloudy	Opaque
Surface Sheen (Circle One)	None	Oil	Gasoline	
	Scum	Unknown		
Odor (Circle One)	None	Oil	Decaying Vegetation	SO ₂
	Fuel	Sewage	Methane	Unknown
Pipe Active (Circle One)	<u>No</u>	Trickle	Moderate	Substantial

IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 – 9.0	
Total Chlorine Level*	< 0.2 mg/L	
Total Copper Level*	< 0.1 mg/L	
Total Phenol Level*	< 0.5 mg/L	
Detergents Level*	< 0.25 mg/L	
Water Temperature	-	°F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Pipe not active

PHOTO INSET
2 photos



PWK1-15-4-1



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	PWK1-15-4-2				
Date of Last Rainfall	6-6-23 (0.38")				
Date Inspection Performed	6-9-23				
Name of Inspector	RRS JAM				
Receiving Water	Pewaukee Lake				
M.H. or Outfall (Circle One)	M.H. <u>Outfall</u>				
Pipe Size	48" x 24"				
Pipe Material (Circle One)	<u>RCP</u>	CMP	PVC	HDPE	
	Steel	DI	VCP	Other	
Color (Circle One)	Clear	Yellow	Gray	Orange	
	Brown	Green	Red	Other	
Turbidity (Circle One)	Clear	Slightly Cloudy	Cloudy	Opaque	
Surface Sheen (Circle One)	None	Oil	Gasoline		
	Scum	Unknown			
Odor (Circle One)	None	Oil	Decaying Vegetation	SO ₂	
	Fuel	Sewage	Methane	Unknown	
Pipe Active (Circle One)	<u>No</u>	Trickle	Moderate	Substantial	

IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 – 9.0	
Total Chlorine Level*	< 0.2 mg/L	
Total Copper Level*	< 0.1 mg/L	
Total Phenol Level*	< 0.5 mg/L	
Detergents Level*	< 0.25 mg/L	
Water Temperature	-	°F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Water present but not flowing
Heavy vegetation in
downstream ditch per
resident concerns

PHOTO INSET
2 photos



PWK1-15-4-2



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	PWK1-14-2-1			
Date of Last Rainfall	6-6-23 (0.38")			
Date Inspection Performed	6-9-23			
Name of Inspector	RRS JAM			
Receiving Water	Pewaukee Lake			
M.H. or Outfall (Circle One)	M.H. <u>Outfall</u>			
Pipe Size	5' x 3.5'			
Pipe Material (Circle One)	RCP Steel	<u>CMP</u>	PVC DI	HDPE VCP Other
Color (Circle One)	Clear Brown	Yellow Green	Gray Red	Orange Other
Turbidity (Circle One)	Clear	Slightly Cloudy	Cloudy	Opaque
Surface Sheen (Circle One)	None Scum	Oil	Unknown	Gasoline
Odor (Circle One)	None Fuel	Oil Sewage	Decaying Vegetation Methane	SO ₂ Unknown
Pipe Active (Circle One)	<u>No</u>	Trickle	Moderate	Substantial
IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.				
Parameter	Expected Range	Actual Parameter Reading		
pH Level*	6.0 – 9.0			
Total Chlorine Level*	< 0.2 mg/L			
Total Copper Level*	< 0.1 mg/L			
Total Phenol Level*	< 0.5 mg/L			
Detergents Level*	< 0.25 mg/L			
Water Temperature	-	°F		

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Pipe Not active
1/3 of pipe full of debris at outfall

PHOTO INSET
1 photo



PWK1-14-2-1



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	PWK1-14-1-1				
Date of Last Rainfall	6-6-23 (0.38")				
Date Inspection Performed	6-9-23				
Name of Inspector	RRS JAM				
Receiving Water	Pewaukee Lake				
M.H. or Outfall (Circle One)	M.H. Outfall				
Pipe Size	42"				
Pipe Material (Circle One)	RCP		CMP	PVC	HDPE
	Steel	DI	VCP	Other	
Color (Circle One)	Clear	Yellow	Gray	Orange	
	Brown	Green	Red	Other	
Turbidity (Circle One)	Clear	Slightly Cloudy	Cloudy	Opaque	
Surface Sheen (Circle One)	None	Oil	Gasoline		
	Scum	Unknown			
Odor (Circle One)	None	Oil	Decaying Vegetation	SO ₂	
	Fuel	Sewage	Methane	Unknown	
Pipe Active (Circle One)	No	Trickle	Moderate	Substantial	

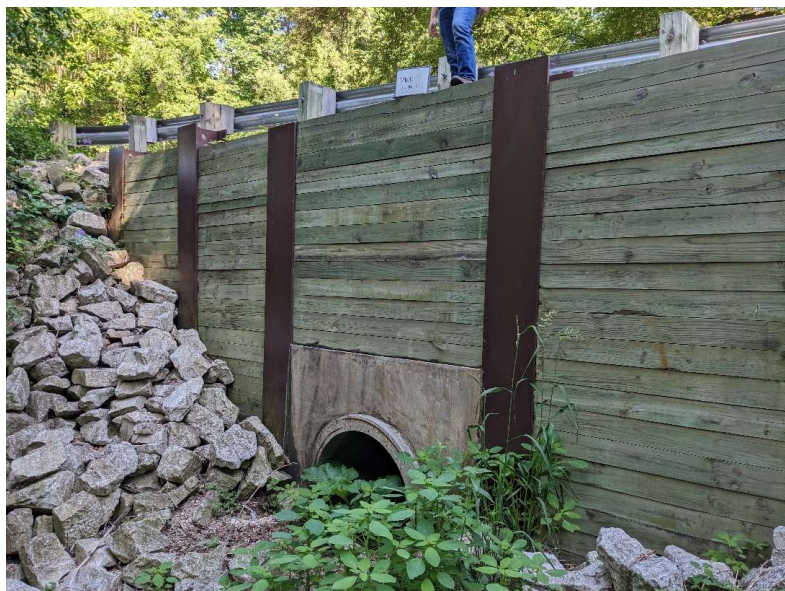
IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 – 9.0	
Total Chlorine Level*	< 0.2 mg/L	
Total Copper Level*	< 0.1 mg/L	
Total Phenol Level*	< 0.5 mg/L	
Detergents Level*	< 0.25 mg/L	
Water Temperature	-	°F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Pipe not active

PHOTO INSET
2 photos



PWK1-14-1-1



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	PWK1-12-3-8				
Date of Last Rainfall	6-6-23 (0.38")				
Date Inspection Performed	6-9-23				
Name of Inspector	RRS JAM				
Receiving Water	Pewaukee Lake				
M.H. or Outfall (Circle One)	M.H.		<u>Outfall</u>		
Pipe Size	84" x 52"				
Pipe Material (Circle One)	<u>RCP</u>	CMP	PVC	HDPE	
	Steel	DI	VCP	Other	
Color (Circle One)	Clear	Yellow	Gray	Orange	
	Brown	Green	Red	Other	
Turbidity (Circle One)	Clear	Slightly Cloudy	Cloudy	Opaque	
Surface Sheen (Circle One)	None	Oil	Gasoline		
	Scum	Unknown			
Odor (Circle One)	None	Oil	Decaying Vegetation	SO ₂	
	Fuel	Sewage	Methane	Unknown	
Pipe Active (Circle One)	<u>No</u>	Trickle	Moderate	Substantial	

IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 – 9.0	
Total Chlorine Level*	< 0.2 mg/L	
Total Copper Level*	< 0.1 mg/L	
Total Phenol Level*	< 0.5 mg/L	
Detergents Level*	< 0.25 mg/L	
Water Temperature	-	°F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Pipe not active
Upstream end of pipe has scoured out

PHOTO INSET
2 photos



PWK1-12-3-8



**Visual Inspection Form
For Illegal Connection/Illicit Discharge
WPDES Permit No. WI-S050075-3**

Outfall ID	PWK1-12-1-1				
Date of Last Rainfall	0.38" - 6-6-23				
Date Inspection Performed	6-9-23				
Name of Inspector	RRS JAM				
Receiving Water	Pewaukee Lake				
M.H. or Outfall (Circle One)	<input checked="" type="radio"/> M.H.		<input type="radio"/> Outfall		
Pipe Size	60"				
Pipe Material (Circle One)	<input checked="" type="radio"/> RCP	<input type="radio"/> CMP	<input type="radio"/> PVC	<input type="radio"/> HDPE	
	<input type="radio"/> Steel	<input type="radio"/> DI	<input type="radio"/> VCP	<input type="radio"/> Other	
Color (Circle One)	<input type="radio"/> Clear	<input type="radio"/> Yellow	<input type="radio"/> Gray	<input type="radio"/> Orange	
	<input type="radio"/> Brown	<input type="radio"/> Green	<input type="radio"/> Red	<input type="radio"/> Other	
Turbidity (Circle One)	<input type="radio"/> Clear	<input type="radio"/> Slightly Cloudy	<input type="radio"/> Cloudy	<input type="radio"/> Opaque	
Surface Sheen (Circle One)	<input type="radio"/> None	<input type="radio"/> Oil	<input type="radio"/> Gasoline		
	<input type="radio"/> Scum	<input type="radio"/> Unknown			
Odor (Circle One)	<input type="radio"/> None	<input type="radio"/> Oil	<input type="radio"/> Decaying Vegetation	<input type="radio"/> SO ₂	
	<input type="radio"/> Fuel	<input type="radio"/> Sewage	<input type="radio"/> Methane	<input type="radio"/> Unknown	
Pipe Active (Circle One)	<input checked="" type="radio"/> No	<input type="radio"/> Trickle	<input type="radio"/> Moderate	<input type="radio"/> Substantial	

IF FLOW IS OBSERVED, WATER SAMPLING MUST BE CONDUCTED TO DETERMINE IF AN ILLICIT DISCHARGE IS PRESENT.

Parameter	Expected Range	Actual Parameter Reading
pH Level*	6.0 – 9.0	
Total Chlorine Level*	< 0.2 mg/L	
Total Copper Level*	< 0.1 mg/L	
Total Phenol Level*	< 0.5 mg/L	
Detergents Level*	< 0.25 mg/L	
Water Temperature	-	°F

* Expected ranges represent maximum readings as used by the City of Milwaukee in their Illicit Discharge Monitoring Program

NOTES
Pipe not active

PHOTO INSET
2 photos



PWK1-12-1-1



Construction Site Pollutant Control Inspections

Town of Delafield
2023 Construction Site Inspections and Enforcement Action Summary

Inspections

24 construction inspections by Waukesha County staff
1 Site passed final inspection (included in total above)

Permits

1 Permit application received
1 Permit issued
2 Permits terminated
2 Permits extended

Enforcement Actions Taken

Conducted Inspection/Investigation – Cassandras Temporary Event Parking



Pollution Prevention Municipal Facility Inspections

**ROUTINE INSPECTION FORM
PUBLIC WORKS FACILITY**

TOWN OF DELAFIELD

Inspector: *Tim BARBGAU*

Date: *3/31/23*

Potential Pollutant Sources	Yes	No	If No, Describe Location & Action Needed	Initial & Date After Action is Completed
A. Material and waste storage areas are maintained in good condition to minimize discharge of pollutants.	✓			
B. Any oil leaks or spills present are properly contained by drip pans or absorbents. Absorbents are picked up and properly disposed of in a timely manner.	✓			
C. Containers and above ground storage tanks are in sound condition (check for corroded or damaged containers, supports, and valves).	✓			
D. Fueling area and underground storage tanks in good condition.	✓			
E. Road salt is stored properly.	✓			
F. Vehicle and equipment maintenance areas in sound condition.	✓			
G. Grounds do not show signs of erosion.	✓			
H. Washwater tanks in good working order.	✓			

**ROUTINE INSPECTION FORM
PUBLIC WORKS FACILITY**

TOWN OF DELAFIELD

Inspector: *Tim BARBEAU*

Date: *6/27/23*

Potential Pollutant Sources	Yes	No	If No, Describe Location & Action Needed	Initial & Date After Action is Completed
A. Material and waste storage areas are maintained in good condition to minimize discharge of pollutants.	✓			
B. Any oil leaks or spills present are properly contained by drip pans or absorbents. Absorbents are picked up and properly disposed of in a timely manner.	✓		<i>NO LEAKS OBSERVED</i>	
C. Containers and above ground storage tanks are in sound condition (check for corroded or damaged containers, supports, and valves).	✓			
D. Fueling area and underground storage tanks in good condition.	✓			
E. Road salt is stored properly.	✓			
F. Vehicle and equipment maintenance areas in sound condition.	✓			
G. Grounds do not show signs of erosion.	✓			
H. Washwater tanks in good working order.	✓			

**ROUTINE INSPECTION FORM
TOWN OF DELAFIELD
PUBLIC WORKS FACILITY**

Inspector: Tim Barbeau Date: 9/29/23

Potential Pollutant Sources	Yes	No	If No, Describe Location & Action Needed	Initial & Date After Action Is Completed
A. Material and waste storage areas are maintained in good condition to minimize discharge of pollutants.	X			
B. Any oil leaks or spills present are properly contained by drip pans or absorbents. Absorbents are picked up and properly disposed of in a timely manner.			No fluid leaks observed	
C. Containers and above-ground storage tanks are in sound condition (check for corroded or damaged containers, supports, and valves.)	X			
D. Fueling area and underground storage tanks in good condition.	X			
E. Vehicle and equipment maintenance areas in sound condition.	X			
F. Grounds do not show signs of erosion.	X			
G. Washwater tanks in good working order.	X		All washing takes place indoors	

**ROUTINE INSPECTION FORM
TOWN OF DELAFIELD
PUBLIC WORKS FACILITY**

Inspector: Tim Barbeau Date: 12/19/23

Potential Pollutant Sources	Yes	No	If No, Describe Location & Action Needed	Initial & Date After Action Is Completed
A. Material and waste storage areas are maintained in good condition to minimize discharge of pollutants.	X			
B. Any oil leaks or spills present are properly contained by drip pans or absorbents. Absorbents are picked up and properly disposed of in a timely manner.		X	Recent minor fuel spill at outdoor fueling area. Highway Dept. staff was notified to address.	
C. Containers and above-ground storage tanks are in sound condition (check for corroded or damaged containers, supports, and valves.)	X			
D. Fueling area and underground storage tanks in good condition.	X			
E. Vehicle and equipment maintenance areas in sound condition.	X			
F. Grounds do not show signs of erosion.	X			
G. Washwater tanks in good working order.	X		All washing takes place indoors	