

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.

Reporting Information

Submittal Type: Annual Report

Project Name:

County: Manitowoc

Municipality: Manitowoc, City

Facility Number: 31424

Reporting Year: 2018

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 items as appropriate using the attachments tab above
 - a. Construction Site Pollution Control Annual Report Summary
 - b. Illicit Discharge Detection and Elimination Annual Report Summary
 - c. Leaf and Yard Waste Management
 - d. Municipal Cooperation Attachment
 - e. Municipal Facility Inspections
 - f. Pollution Prevention Annual Report Summary
 - g. Post-Construction Storm Water Management Annual Report Summary
 - h. Public Education and Outreach Annual Report Summary
 - i. Public Involvement and Participation Annual Report Summary
 - j. Storm Water Consortium/Group Report
 - k. Storm Sewer System Map Annual Report Attachment
 - l. Storm Water Quality Management Annual Report Attachment
 - m. TMDL Attachment
 - n. Winter Road Maintenance
 - o. Other Annual Report Attachment
- 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: Manitowoc, City

Facility ID # or (FIN): 31424

Updated Information: Check to update mailing address information

Mailing Address: 900 Quay Street

Mailing Address 2:

City: Manitowoc

State: Wisconsin

Zip Code: 54220-4543 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: Koski

Select to **update** current contact information

Title: Director

Mailing Address: 900 Quay Street

Mailing Address 2:

City: Manitowoc

State: WI

Zip Code: 54220 xxxxx or xxxxx-xxxx

Phone Number: 920-686-6910 Ext: xxx-xxx-xxxx

Email: dkoski@manitowoc.org

Additional Contacts Information (Optional)

- I&E Program
- IDDE Program

Individual with responsibility for:
(Check all that apply)

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

First Name: Chad

Last Name: Scheinoha

Title: Operations Division

Mailing Address: 900 Quay Street

Mailing Address 2:

City: Manitowoc

State: WI

Zip Code: 54220 xxxxx or xxxxx-xxxx

Phone Number: 920-686-6512 Ext: xxx-xxx-xxxx

Email: cscheinoha@manitowoc.org

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: Greg

Last Name: Minikel

Title: Engineering Division

Mailing Address: 900 Quay Street

Mailing Address 2:

City: Manitowoc

State: WI

Zip Code: 54220 xxxxx or xxxxx-xxxx

Phone Number: 920-686-6910 Ext: xxx-xxx-xxxx

Email: gminikel@manitowoc.org

- I&E Program
- IDDE Program

Individual with responsibility for:
(Check all that apply)

- 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:

1. Does the municipality rely on another entity to satisfy some of the permit requirements? If yes, enter entity name (government, consultant, group/organization).

Yes No

Public Education and

Outreach: Northeast Wisconsin Stormwater Consortium(NEWSC)

Public Involvement and Participation:

Northeast Wisconsin Stormwater Consortium(NEWSC)

Illicit Discharge Detection and Elimination:

Construction Site Pollutant Control:

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 (09/17)

Minimum Control Measures- Section 1 : Complete

1. Public Education and Outreach

a. Complete the following information on Public Education and Outreach Activities related to storm water. Select the Mechanism that best describes how the topic message was conveyed to your population. Use the **Add Activity** to add multiple Mechanisms. For Quantity, choose the range for the number of Mechanisms chosen (i.e., number of workshops, events).

Topic: Detection and elimination of illicit discharges			
Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
<u>Informational booth at event</u>	<u>1 - 9</u>	<u>1 - 9</u>	<input type="radio"/> Yes <input checked="" type="radio"/> No
<u>Signage</u>	<u>1 - 9</u>	<u>20 - 49</u>	<input type="radio"/> Yes <input checked="" type="radio"/> No
<u>Targeted group training (contractors, consultants, etc.)</u>	<u>1 - 9</u>	<u>10 - 19</u>	<input type="radio"/> Yes <input checked="" type="radio"/> No
<u>Active distribution of print media (mailings, newsletters, etc)</u>	<u>100 +</u>	<u>1 - 9</u>	<input type="radio"/> Yes <input checked="" type="radio"/> No
<u>Social media posts</u>	<u>1 - 9</u>	<u>Select...</u>	<input type="radio"/> Yes <input checked="" type="radio"/> No

Select all applicable audiences targeted for this topic.

- Agricultural
 Contractors
 General Public
 Public Employees
 Residential
 School Groups
 Business
 Developers
 Industries
 Restaurants
 Other:

Topic: Management of materials that may cause storm water pollution from automobiles, pet waste, household hazardous waste and household practices			
Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
<u>Social media posts</u>	<u>1 - 9</u>	<u>Select...</u>	<input type="radio"/> Yes <input checked="" type="radio"/> No
<u>Educational activities (School presentations, summer camps, etc)</u>	<u>20 - 49</u>	<u>Select...</u>	<input checked="" type="radio"/> Yes <input type="radio"/> No
<u>Website</u>	<u>Select...</u>	<u>Select...</u>	<input type="radio"/> Yes <input checked="" type="radio"/> No

Select all applicable audiences targeted for this topic.

- Agricultural
 Contractors
 General Public
 Public Employees
 Residential
 School Groups
 Business
 Developers
 Industries
 Restaurants
 Other:

Topic: Beneficial onsite reuse of leaves and grass clippings/proper use of lawn and garden fertilizers and pesticides			
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Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
Passive print media (brochures at front desk, posters, etc.)	1 - 9	Select...	<input type="radio"/> Yes <input checked="" type="radio"/> No
Social media posts	1 - 9	Select...	<input type="radio"/> Yes <input checked="" type="radio"/> No
Informational booth at event	1 - 9	Select...	<input type="radio"/> Yes <input checked="" type="radio"/> No

Select all applicable audiences targeted for this topic.

- Agricultural Contractors General Public Public Employees Residential School Groups
 Business Developers Industries Restaurants Other:

Topic: Management of stream banks and shorelines by riparian landowners to minimize erosion and restore and enhance the ecological value of waterways			
Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
Website	Select...	Select...	<input checked="" type="radio"/> Yes <input type="radio"/> No

Select all applicable audiences targeted for this topic.

- Agricultural Contractors General Public Public Employees Residential School Groups
 Business Developers Industries Restaurants Other:

Topic: Infiltration of residential storm water runoff from rooftop downspouts, driveways and sidewalks			
Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
Website	Select...	Select...	<input type="radio"/> Yes <input checked="" type="radio"/> No

Select all applicable audiences targeted for this topic.

- Agricultural Contractors General Public Public Employees Residential School Groups
 Business Developers Industries Restaurants Other:

Topic: Inform and where appropriate educate those responsible for the design, installation, and maintenance of construction site erosion control practices and storm water management facilities on how to design, install and maintain the practices			
Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
Active distribution of print media (mailings, newsletters, etc)	50 - 99	Select...	<input type="radio"/> Yes <input checked="" type="radio"/> No

Select all applicable audiences targeted for this topic.

- Agricultural Contractors General Public Public Employees Residential School Groups

Business Developers Industries Restaurants Other:

Topic: Identify businesses and activities that may pose a storm water contamination concern, and where appropriate, educate specific audiences on methods of storm water pollution prevention

Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
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Targeted group training (contractors, consultants, etc.) 10 - 19 Select... Yes No

Select all applicable audiences targeted for this topic.

Agricultural Contractors General Public Public Employees Residential School Groups
 Business Developers Industries Restaurants Other:

Topic: Promote environmentally sensitive land development designs by developers and designers, including green infrastructure and low impact development

Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
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Website 1 - 9 Select... Yes No

Select all applicable audiences targeted for this topic.

Agricultural Contractors General Public Public Employees Residential School Groups
 Business Developers Industries Restaurants Other:

Topic: Other (describe):

Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
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Select... Select... Select... Yes No

Select all applicable audiences targeted for this topic.

Agricultural Contractors General Public Public Employees Residential School Groups
 Business Developers Industries Restaurants Other:

b. Brief Public Education and Outreach program information for inclusion in the Annual Report. If your response exceeds the 200 character limit, attach supplemental information on the attachments page.

see 2018 NEWSC Annual Report

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 (09/17)

Minimum Control Measures - Section 2 : Complete

2. Public Involvement and Participation

a. Describe how the municipality has kept the following local officials and municipal staff aware of the municipal storm water discharge permit programs and its requirements.

Elected Officials

Public Infrastructure Committee and Common Council Meeting Agenda

Municipal Officials

Press Releases & Week in Review Emails

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

Press Releases, Week in Review Emails, Conferences, MS4 group meetings and other small group meetings

b. Complete the following information on Public Involvement Activities related to storm water. Select the mechanism that best describes how the topic message was conveyed to your population. Use the Add Activity to add multiple mechanisms. For Quantity, choose the range for number Mechanisms chosen (i.e., number of workshops, events).

Topic: Storm Water Management Plan and/or updates			
Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
Website	1 - 9	Select...	<input type="radio"/> Yes <input checked="" type="radio"/> No

Select all applicable participants targeted for this topic.

- Agricultural Contractors General Public Public Employees Residential School Groups
 Business Developers Industries Restaurants Other:

Topic: Storm water related ordinance and/or updates			
Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
Government Event (Public Hearing, Council Meeting, etc)	1 - 9	Select...	<input type="radio"/> Yes <input checked="" type="radio"/> No
Website	1 - 9	Select...	<input type="radio"/> Yes <input checked="" type="radio"/> No

Select all applicable participants targeted for this topic.

- Agricultural Contractors General Public Public Employees Residential School Groups
 Business Developers Industries Restaurants Other:

Topic: MS4 Annual Report			
Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
Government Event (Public Hearing, Council Meeting, etc)	1 - 9	Select...	<input type="radio"/> Yes <input checked="" type="radio"/> No
Website	1 - 9	Select...	<input type="radio"/> Yes <input checked="" type="radio"/> No

Select all applicable participants targeted for this topic.

- Agricultural
 Contractors
 General Public
 Public Employees
 Residential
 School Groups
 Business
 Developers
 Industries
 Restaurants
 Other:

Topic: Volunteer Opportunities			
Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
Clean-up events	1 - 9	20 - 49	<input checked="" type="radio"/> Yes <input type="radio"/> No
Storm drain stenciling	1 - 9	Select...	<input checked="" type="radio"/> Yes <input type="radio"/> No
Citizen Committe Meetings	1 - 9	Select...	<input checked="" type="radio"/> Yes <input type="radio"/> No

Select all applicable participants targeted for this topic.

- Agricultural
 Contractors
 General Public
 Public Employees
 Residential
 School Groups
 Business
 Developers
 Industries
 Restaurants
 Other:

Topic: Other (describe) :			
Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
Select...	Select...	Select...	<input type="radio"/> Yes <input type="radio"/> No

Select all applicable participants targeted for this topic .

- Agricultural
 Contractors
 General Public
 Public Employees
 Residential
 School Groups
 Business
 Developers
 Industries
 Restaurants
 Other:

c. Brief Public Involvement and Participation program information for inclusion in the Annual Report. If your response exceeds the 200 character limit, attach supplemental information on the attachments page.

See NEWSC 2018 Annual Report

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 (09/17)

Minimum Control Measures - Section 3 : Complete

3. Illicit Discharge Detection and Elimination

- a. How many total outfalls does the municipality have? Unsure
- b. How many outfalls did the municipality evaluate as part of their routine ongoing field screening program? Unsure
- c. From the municipality's routine screening, how many were confirmed illicit discharges? Unsure
-
- d. How many illicit discharge complaints did the municipality receive? Unsure
- e. From the complaint received, how many were confirmed illicit discharges? Unsure
- f. How many of the identified Illicit discharges did the municipality eliminate in the reporting year? Unsure
-
- g. How many of the following enforcement mechanisms did the municipality use to enforce its illicit discharge ordinance? Check all that apply and enter the number of each used in the reporting year. Unsure
- Verbal Warning
- Written Warning (including email)
- Notice of Violation
- Civil Penalty/ Citation
- No Enforcement Action Taken

Additional Information: _____

- h. Brief Illicit Discharge Detection and Elimination program information for inclusion in the Annual Report. If your response exceeds the 200 character limit, attach supplemental information on the attachments page.

7 door hangers

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 (09/17)

Minimum Control Measures - Section 4 : Complete

4. Construction Site Pollutant Control

- a. How many total construction sites were active at any point in the reporting year? Unsure

b. How many construction sites did the municipality issue permits for in the reporting year? Unsure

c. Do the above numbers include sites <1 acre? Yes No Unsure

d. How many erosion control inspections did the municipality complete in the reporting year? Unsure

e. 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. Unsure

- Verbal Warning
- Written Warning (including email)
- Notice of Violation
- Civil Penalty/ Citation
- Stop Work Order
- Forfeiture of Deposit
- No Authority
- Other - Describe below

f. Brief Construction Site Pollutant Control program information for inclusion in the Annual Report. If your response exceeds the 200 character limit, 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 (09/17)

Minimum Control Measures - Section 5 : Complete

5. Post-Construction Storm Water Management

a. How many new construction sites with new structural storm water management practices* have received local approvals? Unsure

*Structural practices, techniques or devices employed to avoid or minimize soil, sediment or pollutants carried in runoff to waters of the state (such as ponds, swales, infiltration basins, permeable pavement, catch basin sumps, etc.)

b. How many privately owned storm water facility inspections were completed in the reporting year? Unsure

c. What types of enforcement actions does the municipality have available to compel compliance with the regulatory mechanism? Unsure

Check all that apply and enter the number of each used in the reporting year.

- Verbal Warning
- Written Warning (including email)
- Notice of Violation
- Civil Penalty/ Citation
- Forfeiture of Deposit
- Complete Maintenance
- Bill Responsible Party
- No Authority
- Other - Describe below

d. Brief Post-Construction Storm Water Management program information for inclusion in the Annual Report . If your response exceeds the 200 character limit, 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 (09/17)

Minimum Control Measures - Section 6 : Complete

6. Pollution Prevention

Storm Water Management Facility Inspections (ponds, biofilters, etc.) Not Applicable

- a. Enter the total number of municipally owned or operated structural storm water facilities ? Unsure
- b. How many new municipally owned storm water facilities were installed in the reporting year ? Unsure
- c. How many municipally owned storm water devices were inspected in the reporting year? Unsure
- d. What elements are looked at during inspections (200 character limit)?
- e. How many of these facilities required maintenance? Unsure

Public Works Yards & Other Municipally Owned Properties (SWPPP Plan Review) Not Applicable

- f. How many inspections of municipal properties been conducted in Unsure the reporting year?
- g. Have amendments to the SWPPPs been made? Yes No Unsure
- h. If yes, describe what changes have been made (200 character limit):

Collection Services - *Street Sweeping / Cleaning Program* Not Applicable

- i. Did the municipality conduct street sweeping/cleaning during the reporting year?
 Yes No Unsure
- j. If known, how many tons of material was removed? Unsure
- k. Does the municipality have a low hazard exemption for this material? Yes No
- l. If street cleaning is identified as a storm water best management practice in the pollutant loading analysis, was street cleaning completed at the assumed frequency?
 Yes
 No - Explain Not every route was completed every week
 Not Applicable

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

- m. Did the municipality conduct catch basin sump cleaning during the reporting year?
 Yes No Unsure
- n. How many catch basin sumps were cleaned in the reporting year? Unsure
- o. If known, how many tons of material was collected? Unsure
- p. Does the municipality have a low hazard exemption for this material? Yes No
- q. 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
 No - Explain _____
 Not Applicable

Collection Services - *Leaf Collection Program* Not Applicable

- r. Does the municipality conduct curbside leaf collection? Yes No Unsure
- s. Does the municipality notify homeowners about pickup? Yes No Unsure
- t. Where are the residents directed to store the leaves for collection?
 Pile on terrace Pile in street Bags on terrace Unsure

Other - Describe both pile in street and in the terrace

u. What is the frequency of collection?

every week

v. Is collection followed by street sweeping/cleaning?

Yes No Unsure

Winter Road Management Not Applicable

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

w. How many lane-miles of roadway is the municipality responsible for doing snow and ice control?

Unsure

x. 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>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="817"/>	<input type="text" value="556"/>	<input type="text" value="670"/>	<input type="text" value="639"/>
<u>Salt/sand mix</u>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="195"/>	<input type="text" value="910"/>	<input type="text" value="0"/>	<input type="text" value="53"/>

Liquids (gallons) (ex. brine)

	Oct	Nov	Dec	Jan	Feb	Mar
<u>Brine</u>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="2178"/>	<input type="text" value="2830"/>	<input type="text" value="1167"/>	<input type="text" value="12430"/>
<u>Beet juice</u>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="4740"/>	<input type="text" value="2142"/>	<input type="text" value="4390"/>	<input type="text" value="7783"/>

y. Was salt applying machinery calibrated in the reporting year? Yes No Unsure

z. Have municipal personnel attended salt reduction strategy training in the reporting year? Yes No Unsure

If yes, describe what training was provided (200 character limit):

When: How many attended:

Internal (Staff) Education & Communication

aa. Has training or education on SWPPPs for municipal facilities been held for municipal or other personnel? Yes No Unsure

If yes, describe what training was provided (200 character limit):

When: How many attended:

ab. Brief Pollution Prevention program information for inclusion in the Annual Report. If your response 200 character limit, 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 (09/17)

Minimum Control Measures - Section 7 : Complete

7. Storm Sewer System Map

- a. Did the municipality update their storm sewer map this year? Yes No
 Unsure

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 Storm Sewer System Map information for inclusion in the Annual Report. If your response exceeds the 200 character limit, attach supplemental information on the attachments page.

Missing Information

Do not close your work until you SAVE.

Form 3400-224 (09/17)

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
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Element: Public Education and Outreach

1,479	3,200	3,200	<u>General revenue fund</u>
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Element: Public Involvement and Participation

1,479	3,200	3,200	<u>General revenue fund</u>
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Element: Illicit Discharge Detection and Elimination

3740	3,300	3,300	<u>General revenue fund</u>
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Element: Construction Site Pollutant Control

2	5,000	5,000	<u>Permit fee and/or deposit/escrow</u>
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Element: Post-Construction Storm Water Management

16251	28,000	30,000	<u>General revenue fund</u>
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Element: Pollution Prevention

539048	520,000	540,000	<u>General revenue fund</u>
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Element: Storm Water Quality Management

5190	8,000	8,000	<u>General revenue fund</u>
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Element: Storm Sewer System Map

83	100	100	<u>General revenue fund</u>
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Other (describe)

MS4 Cost

9618

10,000

10,000

General revenue fund

Please provide a justification for a "0" entered in the 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

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 200 character limit, attach supplemental information on the attachments page.

TMDL is currently being developed for the area rivers, DPI yard is going to be re-graded with the construction of a wet pond

Do not close your work until you SAVE.

Form 3400-224 (09/17)

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
- 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**.

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.

Storm Sewer System Map

 File Attachment

[2018MS4SystemMap.pdf](#)

Attach Documents

AR EOFIN

 File Attachment

[2018EducationtrainingSummary.pdf](#)

AR MuniSWPPFIN

 File Attachment

[SWPPPinspections.pdf](#)

AR CSPCFIN

 File Attachment

[2018ConstructionSitePermitsummary.pdf](#)

AR IDDEFIN

 File Attachment

[2018IllicitDischargeSummary.pdf](#)

AR PPFIN

 File Attachment

[StormwaterBMPFacilities.pdf](#)

AR OtherFIN

 File Attachment

[CityofManitowoc2018MS4Programsummary.pdf](#)

AR SWGroupReportFIN

 File Attachment

[NEWS2018SWMPPlanReport2_10_19_pdf.pdf](#)

(To remove additional 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 Municipality's Governing Body.

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 approved by the governing body, you will have to come back to the MS4 eReporting system to submit the report to the DNR.

[Draft and Share PDF Report with Municipality's Governing Body](#)

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 Manitowoc, 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.

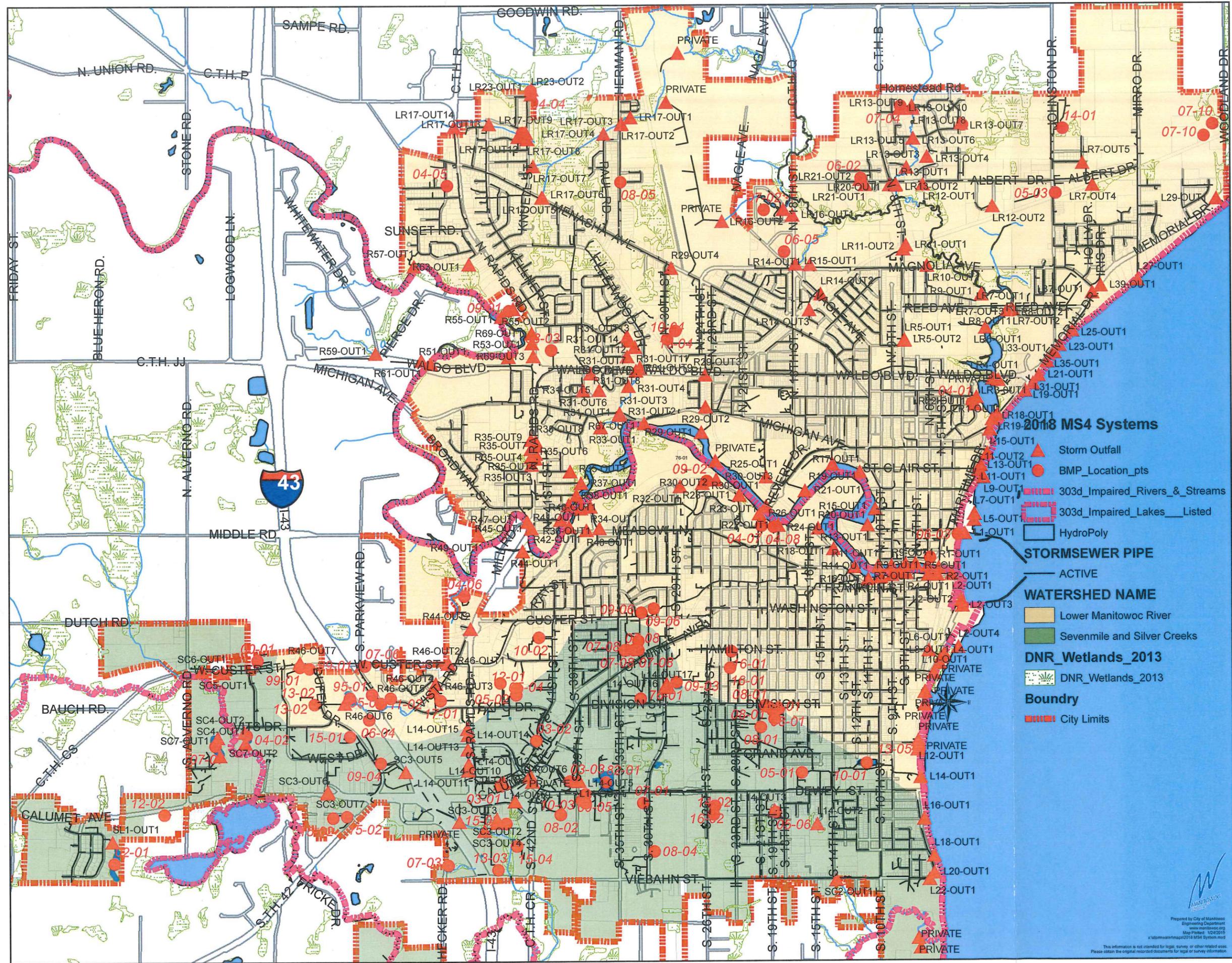
Signee (must check current role prior to accepting terms and conditions)

- 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).

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.



2018 MS4 Systems

- ▲ Storm Outfall
- BMP_Location_pts
- 303d_Impaired_Rivers_&Streams
- 303d_Impaired_Lakes_Listed
- HydroPoly
- STORMSEWER PIPE**
- ACTIVE
- WATERSHED NAME**
- Lower Manitowoc River
- Sevenmile and Silver Creeks
- DNR_Wetlands_2013**
- DNR_Wetlands_2013
- Boundry**
- City Limits

City of Manitowoc MS4 Program 2018 Summary

Public Education and Outreach

The City of Manitowoc continues to actively implement an effective public education and outreach program that meets the expectations of the City's program.

The City is an active member of the Northeast Wisconsin Storm Water Consortium (NEWSC). The City is aware that the NEWSC annual report has been submitted to the WDNR. Activities in the NEWSC report should be credited to the City of Manitowoc. During 2018, NEWSC provided its members with many educational documents for use in their own communities. NEWSC also participated in a watershed conference as a means to better reach out and educate the public. The City continues to use the public education materials published by NEWSC as deemed fit.

The City also continues to maintain partnerships with The Wisconsin Maritime Museum, Friends of the Manitowoc River Watershed (FMRW), Lakeshore Natural Resources Partnership and Woodland Dunes Nature Center to assist in implementing the City's public education program. The Maritime Museum and Woodland Dunes Nature Center have the resources available to draw in citizen groups for education and storm water stenciling. In 2018, we stenciled inlets with Manitowoc Lutheran High, YMCA, and St Francis of Assisi Parish. In 2018, Lakeshore Natural Resources Partnership again hosted Lake Michigan Day in Manitowoc.

The City also did a great deal of public education. This year the City and NEWSC set up a booth at the Manitowoc Public Utilities open house event. We distributed grass clipping yard signs, and Leaf pick up information to residents. We also sent out press releases to educate the public and elected officials on various storm water related issues. The press releases are sent to the Herald time's reporter, the City Face Book, Twitter, and Instagram accounts, as well as being emailed to all city employees and elected officials. The city mailed educational flyer to privately owned post construction storm water facilities. The city also included an informational flyer in with the tax bill containing info on fall leaf pick up, spring cleanup, Grass Cutting and Illicit Discharges.

- 13 Grass clipping notices were mailed out.
- 7 door hangers placed on citizen's doors regarding storm water pollution issues related to yard waste and grass clippings in the street.
- 18 storm water related press releases sent out.
- 53 storm water facility educational flyers mailed

Public Involvement and Participation

The City of Manitowoc continues to implement a Public Involvement program. This includes promoting storm drain stenciling projects; beach and river clean up, Press releases and discussions at public meetings related to storm water. Public involvement action items for 2018 include

Public Meeting discussions

- Storm water Maintenance Agreement for Meyer Group

- MS4 Annual report for 2017
- Storm water Maintenance Agreement for Kerry and for Aurora
- Storm water Maintenance Agreement for Hamilton St Mini Storage

Volunteer Opportunities

- Beach clean up
- River clean up
- Storm drain stenciling
 - o 229 inlets stenciled
 - o Press Release sent to recruit volunteers

Illicit Discharge Detection and Elimination

The City's IDDE program includes outfall field screenings, resident complaints, other city observed issues and follow up actions. IDDE actions items for 2018 include:

- Completed a field screening of 106 outfalls
- Received and responded to 11 illicit discharge complaints
- Discovered and ordered correction of 6 property IDDE issues
- Updated the City MS4 Map with new BMP's, outfall locations and storm sewer
- Updated the City Illicit Discharge procedures Guide

Construction site Pollution Control

The City's Construction site Pollution Control includes review of Permit Applications and erosion control plans, conducted municipal site inspections, and enforcing erosion control ordinances. Construction site Pollution Control action items for 2018 include:

- Reviewed and issued 23 erosion control permits
- Inspected 31 construction sites and performed 169 documented inspections
- Matt Smits & Billy Hutterer attended NEWSC erosion control workshop
- Matt Smits attended NPDES Certified Storm water Inspector Training
- Bill Nichols attended NASECA Erosion Control Training
- 4 Staff attended DNR Webinar on Track out Control

Post Construction Storm water Management

The City's Post Construction site program includes review of permits applications, and plans, drafting Maintenance agreements, tracking long term maintenance of storm water facilities, and educating applicants, designers, inspectors and facility owners. Post Construction Site Pollution control action items for 2018 include:

- Reviewed and issued permits to 5 construction sites for structural storm water facilities
- Drafted and recorded 3 maintenance agreements
- City inspection of 46 private post construction storm water facilities for which we have a maintenance agreement.

- Sent letters with education flyer to 53 private post construction storm water facilities requesting required inspections. Received 38 inspections back.
- Municipal and professional inspections of all City owned post construction storm water facilities.
- Trapper visited and trapped 9 city wet ponds

Pollution Prevention

The Cities Pollution Prevention program includes Street sweeping, catch basin cleaning; apply road salt and deicers only as necessary to maintain safety, managing leaves and grass clippings, Pollution prevention planning for city owned sites and yards, education of employees and inspection of municipally owned storm water facilities. Pollution Prevention action items for 2018 include:

- Inspection of municipally owned storm water facilities
- Cleaning of 289 catch basins and some inlets
 - o This removed 96 CY assuming catch basins are 2/3 full
 - o No new catch basins were added in 2018
- Conducted weekly leaf collections
 - o 11,454 Cubic Yards of Leaves and brush picked up.
- Street sweeping weekly
 - o issuing 2,187 parking tickets and 3150
 - o 13,064 miles of streets was swept
 - o 941.36 tons of sweeping material removed/landfilled
- 108,375 feet of ditches maintained
- 30,205 feet of storm sewers cleaned and televised
- Parks SWPPP inspections
- DPI SWPPP inspections
 - o Matt Chad & Billy meet on site to discuss future storm pond
- 16 Staff attended APWA snowplow roadeo
- 3 Staff went to training by University of Wisconsin on Managing Snow and ice Operations
- 19 staff watched Excal Visual Storm water Pollution Prevention DVD

2018 Construction site Permits

No.	Permit	Owner	Location	On-Site SWM	Agreement	Last Inspected	Notes
1	16-1	Forest Creek Apts	2600 S 42nd St	Wet Pond	15-04	5/2/2018	Closed
2	16-22	Lake Breeze Apts	Lake Breeze Drive	Wet Pond	14-01	11/12/2018	
3	17-16	Aurora Manitowoc Clinic	Dewey @ S 35th St	infiltration basin	17-02	6/5/2018	Closed
4	17-17	Downtown Investments Parking Lot	S 9th at Quay	NA	NA	9/24/2018	Closed
5	17-18	Kerry Inc.	4343 Expo Drive	Dry Ponds	17-03	8/7/2018	Closed
6	17-26	Briess Malt Plant	S 7th St at Hancock	Wet Pond	Pending	7/19/2018	
7	17-30	Color Craft	5631 West Drive	Wet Pond	Pending	8/2/2018	Closed
8	18-01	WPS	Waldo Blvd	NA	No		Closed
9	18-02	Rubick Field	2101 Division St	NA	No		Closed
10	18-03	Doneff Companies Ditch	5106 Expo Dr.	NA	NA		Closed
11	18-4	Wisconsin Aluminum Foundry	838 S 16th Street	NA	NA	12/7/2018	Closed
12	18-05	TLC Homes	1795 Nagle Ave	NA	NA	4/23/2018	Closed
13	18-06	Manitowoc County Expo Grounds	4291 Expo Dr.	NA	NA		Closed
14	18-07	WPS	West Drive/Vits	NA	NA	10/19/2018	Closed
15	18-08	Manitowoc Tool & Machine	4330 Expo Dr.	Wet Pond	12-01	8/2/2018	Closed
16	18-09	Lincoln High School	1433 S 8th St	NA	NA		Closed
17	18-10	Franklin Elementary	800 S 35th St	NA	NA		Closed
18	18-11	Investors Community Bank	2400 S 44th Street	Dry Ponds	Pending	8/8/2018	
19	18-12	Lakeside Foods Inc.	1601 S 30th Street	Wet Pond	Pending	12/14/2018	
20	18-13	Angelus CBRF	200 East Waldo BLVD	Wet Pond	Pending	12/13/2018	
21	18-14	Panera Bread	4626 Calumet Ave	infiltration basin	Pending	10/26/2018	
22	18-15	WPS	Rapids Road	NA	NA	11/28/2018	
23	18-16	Menards	5120 Calumet Ave	Exist Wet Pond	09-04	11/21/2018	Closed
24	18-17	Vinton Crush site	S 30th @ Dewey	NA	NA		Closed
25	18-18	WPS	York St	NA	NA		Closed
26	18-19	Kenton Langman	2109 Indian Creek	NA	NA		Pending Start
27	18-20	West of the Lake	915 Memorial	Yes	No	11/12/2018	
28	18-21	Wisconsin Aluminum Foundry	1441 Dufek Dr.	No-Reginal	NA		Closed
29	18-22	Redline Plastics	S 59th Street	No-Reginal	NA		Pending Start
30	18-23	Bayshore Dr. water main	Future Bayshore Dr.	Wet Pond	Pending	12/27/2018	
31	18-DNR	Dewey Street	Dewey St-10th to 26th	Wet Pond	NA	11/5/2018	

2018 Public Education Activities

Date	Activity	Summary	Measurable Goals
1/3/2018	NEWSC presentation	Kelly and Chad presented to the MPSD 6 grade class about stormwater	
3/12/2018	Spring Clean up Press Release	Press Release sent out to inform residents about the spring clean up schedule	
3/16/2018	Parking Ban Press Release	Press Release sent out reminding residents about the street sweeping parking ban start date of April 1st	
3/29/2018	Spring Clean up press Release	Press Release sent out informing residents on the Spring Cleanup schedule for their area.	
4/4/2018	Spring Clean up Press Release	Press Release sent out to inform residents about the spring clean up reschedule due to inclement weather	
4/15/2018	Spring Clean up Press Release	Press Release sent out to inform residents about the spring clean up reschedule due to snow storm	
4/16/2018	press release for the MS4 report	Press release sent out to inform resident that the MS4 report is on the website	
4/24/2018	Spring Clean up press Release	Press release sent out to inform residents about spring clean up dates rescheduled	
4/24/2018	Updated the city website	City updated the website regarding the parking ban and the MS4 report	2 items updated
4/28/2018	Beach Clean up	LNRP hosted a Lake Michigan beach clean up	75 citizens attended
5/10/2018	Spring Clean up press Release	Press release to inform residents about the spring clean up schedule	
5/10/2018	Grass Clipping Press Release	Press Release sent out informing residents to not blow there grass into the street	
5/10/2018	Pet waste clean up press release	Press Release sent out informing residents to clean up after their pets to protect storm water	
5/17/2018	Storm drain stenciling Press release	Press release sent out to inform residents about up and coming stenciling projects and to solicit for new interested parties.	

5/18/2018	Storm drain stenciling	Students from Manitowoc Lutheran school went storm drain stenciling with their teacher Joel Barthel	about 100 inlets stenciled
5/20/2018	Storm drain stenciling	17 people from St Francis of Assisi Participated in Storm drain stenciling	17 people, 60 inlets stenciled
5/29/2018	Spring Clean up press Release	Press release regarding the completion of Spring Clean up	
6/16/2018	River Clean up	American Rivers & LNRP completed a river clean up	7 citizens attended
6/26/2018	Storm drain stenciling	YMCA kids participated in storm drain stenciling	
6/28/2018	Storm drain stenciling	YMCA kids participated in storm drain stenciling	
9/12/2018	Plug into MS4 Program Updates	Webinar informing attendees on the various MS4 updates	
9/20/2018	leaf Pick up Press Release	Press Release informing residents about the leaf pick up start date and Parking restrictions associated with it.	
9/26/2018 to end of year	Bulletin board update	created a leaf Maintenance bulletin board located at the Engineering/parks office.	
9/27/2018	Storm damage pick up Press Release	Press Release informing residents about a brush pickup that was scheduled due to storm damage.	
10/11/2018	MPU Open House	Open house at MPU where DPI had booths set up to educate residents on leaf pick up, snow plowing and grass clippings in the street.	1 yard sign given away 30-50 people reached.
11/5/2018	leaf Pick up Press Release	Press Release sent out reminding residents how leaf pick up takes place in the city.	
12/15/2018	Tax bill flyer	Information sent out with tax bill on Illicit Discharge, spring clean up, fall clean up and grass cutting.	
12/5/2018	leaf Pick up Press Release	Press Release sent out to inform residents leaf pick up is complete and leaf piles will no longer be picked up	
12/27/2018	Snow shoveling Press release	Press Release sent out regarding snow shoveling violation changes	

2017 Staff Training/Discussion Activities

Date	Activity	Summary	Measurable Goals
2/26/2018	Illicit discharge Manual	updated Illicit Discharge Manual emailed to all DPI Managers and PD supervisors	about 26 staff emailed
3/12/2018	MS4 Team Meeting	The City of Manitowoc set up a MS4 Team meeting for those involved in the City's MS4 to discuss goals and responsibilities	8 staff attended
3/12/2018	Week in Review Email sent out by Dan Koski to staff and elected officials	Email which talked about the cleaning up debris left from the long winter.	email sent to all city employees and elected
3/13/2018	NEWSC Erosion Control workshop	NEWSC workshop designed to educate Stormwater Erosion control Inspectors	Matt Smits & Billy Hutterer attended
3/16/2018	Parking Ban Press Release	Press Release sent out reminding residents about the street sweeping parking ban start date of April 1st	
3/21/2018	Waukesha County Stormwater Workshop	Workshop to discuss various stormwater issues related to the city's MS4	Dan Koski , Greg Minikel and Matt Smits attended
3/29/2018	NEWSC Municipal committee Meeting		Matt Attended
5/3/2018	Excal Visual Stormwater Pollution Prevention	19 DPI individuals watched the Excal Visual Stormwater Pollution Prevention DVD at a morning staff meeting.	19 DPI staff watched
5/4/2018	Week in Review Email sent out by Dan Koski to staff and elected officials	informed staff and elected about cleaning up after winter snow melts	email sent to all city employees and elected
5/14/2018	NEWSC Full Membership Meeting	DNR presentation on toxic PAH's	Matt Attended
8/3/2018	Week in Review Email sent out by Dan Koski to staff and elected officials	Informed staff and elected why the city doesn't allow grass clippings to be blown in the street, and what we do to prevent it.	Email sent to all city employees and elected
8/10/2018	Lake Michigan Day	Lake Michigan day is a stakeholder meeting of professionals to discuss Lake Michigan environmental issues	Dan Koski and Greg Minikel attended
8/14/2018	APWA- 29th Annual Snowplow Roaddeo		16 DPI staff attended
8/24/2018	Week in Review Email sent out by Dan Koski to staff and elected officials	Email which talked about the leaf and brush piles beginning to show up and that brush is not picked up in fall.	Email sent to all city employees and elected
9/12/2018	Plug into MS4 Program Updates	Webinar informing attendees on the various MS4 updates	Dan, Greg & Matt attended

9/12/2018	Managing Snow and Ice Operations	University of Wisconsin course to provide practical approaches to snow and ice operations	3 DPI staff attended
9/20/2018	Compost webinar	Webinar that provided information on uses of compost, compost sites ect.	Matt Smits attended
10/4/2018	Public Works/Parks/Building and Grounds Expo	Expo showing the latest equipment services out there to aid in public works duties which benefit the MS4	Chad Scheinoha and Jeremy Walvoord
10/17/2018	MS4 Team Meeting	department heads and staff meet to discuss the city's MS4 goals and responsibilities to come up with strategies moving forward.	9 staff attended
10/18/2018	DNR Track out Control Practice Webinar	DNR webinar on Track out control Practices.	Matt Smits, Rick Schwartz, Bill Nichols
11/8/2018	Oil Spill Tabletop & Geographic Response Strategies workshop	Workshop regarding an oil spill in Manitowoc River. Took place in Kewanee with EPA, DNR and USCG	Karl Koch attended
11/12/2018	NASECA Erosion Control Training	Bill Nichols attended two days of Construction Site Erosion Control and Stormwater Permit Compliance Training	Bill Nichols
11/12/2018	NEWSC Full Membership Meeting	Discussions occurred with local experts on MS4 reporting	Matt Smits attended
12/17/2018	PAH meeting	staff meet with Jim Kettler from Lakeshore Natural Resources Partnership to talk about PAH's	Dan, Greg & Matt attended
3/6/2018 & 3/7/2018	Fox Wolf watershed conference	Stormwater conference which had many different educational sessions on stormwater	Dan Koski , Greg Minikel and Matt Smits attended
4/19/18 to 4/20/2018	Certified Stormwater inspector training	2 days of training put on by NPDES to certify stormwater inspectors	Matt Attended
12/20/2018	City Gas Pump Spill Kit Location informational flyer	Informational Flyer sent to all city employees, police & fire to inform them of the location of the emergency spill kit locations by the parks and Dpw Fuel	All City, Police, & Fire employees

2018 Illicit Discharge Activities

No.	Date	Location	Summary	Action Taken	WDNR notified	Status	Staff
1	4/3/2018	Down town area of Quay/S 8th St/S 10th	Excessive salt placed on sidewalk prior to snow storm	contacted the responsible party and informed him this is wrong and considered illicit discharge	no	Closed	Matt
2	4/10/2018	2200 block of S 35th Street	Farmer tracking dirt into the street	Contacted farmer and they cleaned it up	no	Closed	Matt
3	5/22/2018	Dewey Street at S 23rd	Grass and gravel in street	Let sent to owner	no	Closed	Matt
4	5/23/2018	1407 S 20th Street	Cigarette Butts in the street	Let sent to owner	no	Closed	Matt
5	5/25/2018	1333 S 12th Street	Grass blown into the street	Gave a door hanger	no	Closed	Matt
6	5/29/2018	2100 block of S 10th St	Resident notified us of truck which leaked oil	City cleaned up the oil	no	Closed	Matt
7	6/27/2018	430 N 6th Street	Sediment eroding into the street	contacted the responsible party to be cleaned up	no	Closed	Matt
8	7/9/2018	1712 Columbus Street	Concrete wash water in the Street	Let sent to owner	no	Closed	Matt
9	7/18/2018	Manitowoc Marina	Puddle of paint washing next to inlet	Contacted Marina and told him to watch for this and clean it up	no	Closed	Matt
10	7/24/2018	1200 block of S 30th St	Semi Truck broke oil line in street	City supervised clean up	no	Closed	Karen
11	8/2/2018	2640 S 14th Street	Sticks in the street	Gave a door hanger	no	Closed	Matt
12	8/10/2018	1802 Michigan Ave	Oil Puddle in the street from leaking car	Let sent to owner	no	Closed	Matt
13	8/13/2018	1128 New York Ave	Resident raked dog waste into street	Let sent to owner	no	Closed	Matt
14	8/31/2018	1458 Elder Drive	Resident blew grass and garden waste into the street	Let sent to owner	no	Closed	Matt
15	9/27/2018	Kellner St and River Bluff Dr.	Farmer tracking dirt into the street	City cleaned up and billed responsible party	no	Closed	Matt
16	10/1/2018	Calumet Ave at S 26th Street	Dump Truck tail gate opened up dropping large amounts of dirt in the road	City cleaned up and billed responsible party	no	Closed	Matt, Billy, DPI
17	11/14/2018	Shopkox complex	Sanitary sewer main plugged with grease which caused the sanitary to back up and leak into the storm sewer	contacted the owner and the plumbing inspector to get fixed	no	Closed	Matt, Steve, Bill Jindra & DPI

City of Manitowoc 2018 Budget Summary

2019 Proposed

1 Public Education/involvement						
<u>Work order #</u>	<u>expense</u>	<u>Project Management</u>				OA 500
930	\$ 1,596.04	\$ 1,361.24				-500
		Total	\$	2,957.28		\$ 3,300.00
2 IDD& E						
<u>Work order #</u>	<u>Expense</u>	<u>Project Management</u>				OA 2500
942	\$ 2,377.39	\$ 940.65				
932	\$ 421.68					
		Total	\$	3,739.72		\$ 3,300.00
3 Construction Site Pollutant Control						
<u>Work order #</u>	<u>Expense</u>	<u>Project Management</u>				
933	\$ 4,673.40	Revenue	4857.18	expense	182.11	
		Total	\$	(1.67)		\$ 5,000.00
4 Post Constructon SWM						
<u>Work order #</u>	<u>Expense</u>	<u>Project Management</u>				
920 S 41st	\$ -	\$ 220.57				
921 S 30th	\$ -	\$ 599.65				
922 S 10th	\$ 35.14	\$ 647.20				
923 Rapids		\$ 654.40				
924 Clay Pit	\$ -	\$ 220.57				
925 Dewey	\$ 177.75	\$ 3,138.70				
927 Dufek	\$ 225.88	\$ 5,150.77				
928 Vits	\$ -	\$ 220.57				
929 Fessler	\$ -	\$ 220.57				
934	\$ 1,353.28	\$ -				
1113 Blue Rail	\$ 1,303.53	\$ -				
1114 Red Arrow		\$ 851.20				
1132	\$ 5.08					
1133	\$ 72.43					
1134	\$ 35.58					
1135						
1137	\$ 41.93	\$ -				
1138	\$ 11.43	\$ -				
1139	\$ 5.08	1060				3000
sub total	\$ 3,267.11	\$ 12,984.20				27000
		Total	\$	16,251.31		\$ 31,000.00
5 Pollution Prevention						
<u>Discription/Work C</u>	<u>Expense</u>	<u>Project Management</u>				
826 C&G	\$ 2,662.68	\$ 57,966.14				55000
714&740SSweepin	\$ 211,811.19					-46885.33
722,723,748&749 I	\$ 190,919.55	\$ 17,065.26			Museum repair	8114.67
719	\$ 67,928.65					
721	\$ 99.63					
745	\$ 1,043.37					
1354	\$ 5,969.39	Lilac repair				
935	\$ 647.08					
		Total	\$	539,047.68		\$ 560,000.00
6 SWQM						
<u>Work order #</u>	<u>Expense</u>	<u>Project Management</u>				OA 7000
936	\$ 175.70	\$ 822.93				
946	\$ 31.77	\$ 4,160.00				
		Total	\$	5,190.40		\$ 8,000.00

7 MAP

<u>Work order #</u>	<u>Expense</u>	<u>Project Management</u>	
937	\$ 70.28		
947	\$ 12.71		
		Total	\$ 82.99

8 Other

<u>Work order #</u>	<u>Expense</u>	<u>Project Management</u>	
938	\$ 3,442.11	\$ 6,175.71	1500
			8350
		Total	\$ 9,617.82
			\$ 12,000.00

TOTAL	\$ 500,416.84	TOTAL	\$ 119,317.51	TOTAL	\$ 622,600.00
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TOTAL	\$ 619,734.35
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Stormwater BMP Facilities

Wet Ponds

Facility ID	Name/Location	Inspection Year	Notes	Action Taken	Date
95-01	Dufek Drive Pond	2018	yearly Herbicide of invasives and woody vegetation	Herbicide invasive species and woody vegetation Adjusted outfall great to improve effecinecy to 80%	2/28/2018 & 10/1/2018
04-02	Vfcs Drive Pond	2018	yearly Herbicide of invasives and woody vegetation	Herbicide invasive species and woody vegetation	Oct-18
07-07	Fessler Drive Pond	2018	yearly Herbicide of invasives and woody vegetation	Herbicide invasive species and woody vegetation	Oct-18
09-01	N Rapids Road Pond	2018	yearly Herbicide of invasives and woody vegetation	McMahon Spot Herbicide & Professional assessment	Jun-18
09-02	Clay Pit Road Pond	2018	yearly Herbicide of invasives and woody vegetation	Herbicide invasive species and woody vegetation	Oct-18
09-03	S 30th Street Pond	2018	Prairie management with prescribed burn scheduled for 2019	McMahon Spot Herbicide & Professional assessment	Jun-18
10-01	S 10th Street Pond	2018	Prairie management with prescribed burn scheduled for 2019 needs to be modified to reduce clogging	McMahon Spot Herbicide & Professional assessment	Jun-18
10-02	S 41st Street Pond	2018	yearly Herbicide of invasives and woody vegetation	Herbicide invasive species and woody vegetation	Oct-18
13-01	Dewey Street Pond	2018	Prairie management with prescribed burn scheduled for 2019	McMahon Spot Herbicide, Lakeshore Cleaners seeded big blue stem grasses	Jun-18

Infiltration Basins

Facility ID	Name/Location	Inspection Year	Notes	Action Taken	Date
09-06	Senior Center east and west basin	2018	West basin replanted and new engineered soil mix in 2016 Buildings and grounds weeded in spring both basin	East basin was replanted by Cretton	8/31/2018
13-05	Red Arrow Park	2018	infiltration basin and sand dunes	McMahon Spot Herbicide & Professional assessment	Jun-18
17-06	Blue Rail infiltration basin	2018		1. initial Planting of native plants and mulched 2. McMahon spot herbicide	Jun-2018 Aug-2018

Proprietary Devices

Facility ID	Name/Location	Inspection Year	Notes	Action Taken	Date
08-05	Packer Lane CDS	2018	Needs to be cleaned/Scheduled for January 2019		
17-07	Blue Rail	2018	just put on line in 2017		