# 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.

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

Annual Report Other

**Project Name:** 

City of Manitowoc MS4 Report

**County:** Manitowoc

Municipality: Manitowoc, City

Permit Number: S050075

Facility Number: 31424

Reporting Year: 2020

Is this submittal also satisfying an Urban Nonpoint Source Grant funded deliverable? O 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 (S050075-03 General Permit and S058416-04 Madison Area Group Permit shall have a written storm water management program that describes in detail how the permittee intends to comply with the permit requirements for each minimum control measure. Updated programs are due to the department by March 31, 2021.)
    - 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 (S050075-03 General Permit and S058416-04 Madison Area Group Permit 2.6.1 - inventory due to the department by March 31, 2021.)
      - Municipal Storm Water Management Facility (BMP) Inspection and Maintenance Plan (S050075-03 General Permit and S058416-04 Madison Area Group Permit 2.6.2 – document due to the department by March 31, 2021.)
  - 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 (\$050075-03 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	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)
□ Select to <i>create new</i> primary conta     First Name:	Dan
리고 그리고 하는 항상 없었다. 사용 기사 하는 다음	
Last Name:	Koski
Last Name:  Select to <i>update</i> current contact info	Koski
<u>고</u> - 로드션은 이상인 다른 성격(대표), (프로그램 100년)	Koski
☐ Select to <i>update</i> current contact info	Koski rmation
☐ Select to <b>update</b> current contact info <b>Title:</b>	Koski rmation Director
☐ Select to <i>update</i> current contact info Title: Mailing Address:	Koski rmation Director
☐ Select to <i>update</i> current contact info Title: Mailing Address: Mailing Address 2:	Koski rmation  Director  900 Quay Street  Manitowoc
☐ Select to <i>update</i> current contact info Title: Mailing Address: Mailing Address 2: City:	Koski rmation  Director  900 Quay Street  Manitowoc
☐ Select to <b>update</b> current contact info Title: Mailing Address: Mailing Address 2: City:	Koski rmation  Director  900 Quay Street  Manitowoc  WI

# **Additional Contacts Information (Optional)**

<ul><li>✓ Municipal-wice</li><li>✓ Ordinances</li><li>✓ Pollution Prev</li><li>✓ Post-Construct</li></ul>	e Procedure N de Water Qual vention Progra ction Program	ity Plan m	
Greg			11 g
Minikel			· commonwealth of the comm
Engineering Divis	sion		to the second se
900 Quay Street			table
Manitowoc			1.0 Announce of the Control of the C
<u>WI</u>			
54220	xxxxx or xxxxx	-xxxx	
920-686-6910	Ext:	xxx-xxx-xxxx	
minikel@manito	woc.org		
entity to satisfy sor	me of the perr		nit compliances (i.
nsortium member	rship)?		
r	✓ Municipal-wice ✓ Ordinances ✓ Pollution Prevention ✓ Post-Construct ✓ Winter roadw  Greg  Minikel Engineering Divist 900 Quay Street  Manitowoc  WI  54220  920-686-6910  minikel@manitom  entity to satisfy some	<ul> <li>✓ Municipal-wide Water Qual</li> <li>✓ Ordinances</li> <li>✓ Pollution Prevention Program</li> <li>✓ Post-Construction Program</li> <li>✓ Winter roadway maintenan</li> <li>Greg</li> <li>Minikel</li> <li>Engineering Division</li> <li>900 Quay Street</li> <li>Manitowoc</li> <li>WI</li> <li>54220</li> <li>xxxxxx or xxxxx</li> <li>920-686-6910</li> <li>Ext:</li> <li>minikel@manitowoc.org</li> </ul>	<ul> <li>✓ Pollution Prevention Program</li> <li>✓ Post-Construction Program</li> <li>✓ Winter roadway maintenance</li> <li>Greg</li> <li>Minikel</li> <li>Engineering Division</li> <li>900 Quay Street</li> <li>Manitowoc</li> <li><u>WI</u></li> <li>54220</li> <li>xxxxxx or xxxxx-xxxx</li> <li>920-686-6910</li> <li>Ext: xxx-xxx-xxxx</li> <li>minikel@manitowoc.org</li> </ul>

Do not close	your work until y	vou SAVE.
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Note: For the minimum control measures, you must fill out all questions in sections 1 through 7.

Form 3400-224 (08/19)

# 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 Delivery Mechanism that best describes how the topics were conveyed to your population. Use the Add Event to add additional entries.

Event Start Date	1/1/2020			
Project/Event Name	Illicit Discharg	web page	, , , , , , , , , , , , , , , , , , ,	
Delivery Mechanism	<u>Website</u>			*Active
Topics Covered		Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
	disposal/pet ning sticide and ement onstruction		Select	Yes No
Topics Covered		Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☐ Illicit discharge detection and ☐ Household hazardous waste waste management/vehicle wash ☐ Yard waste management/perfertilizer application ☐ Stream and shoreline manage ☐ Residential infiltration ☐ Construction sites and postorm water management ☐ Pollution prevention ☐ Green infrastructure/low implevelopment ☐ Other:	disposal/pet ning sticide and ement construction	☐ General Public ☐ Public Employees ☑ Residents ☐ Businesses ☐ Contractors ☐ Developers ☐ Industries ☐ Other	51-100	○ Yes   No

Event Start Date	9/15/2020			
Project/Event Name	Fish don't swir	nm in Chlorine flyer		
Delivery Mechanism	Social media p	<u>ost</u>		*Active
Topics Covered		Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☐ Illicit discharge detection an  ☑ Household hazardous waste waste management/vehicle was ☐ Yard waste management/pe fertilizer application ☐ Stream and shoreline manag ☐ Residential infiltration ☐ Construction sites and post- storm water management ☐ Pollution prevention ☐ Green infrastructure/low im development ☐ Other:	disposal/pet hing esticide and ement construction	✓ General Public ✓ Public Employees ✓ Residents ☐ Businesses ✓ Contractors ☐ Developers ☐ Industries ☐ Other	Select	○Yes <b>●</b> No
Event Start Date Project/Event Name	5/15/2020 Pet waste pres	ss release		
Delivery Mechanism	Media offering	<u> </u>		*Active
Topics Covered		Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☐ Illicit discharge detection an ☐ Household hazardous waste waste management/vehicle was ☐ Yard waste management/pe fertilizer application ☐ Stream and shoreline manag ☐ Residential infiltration ☐ Construction sites and post- storm water management ☐ Pollution prevention ☐ Green infrastructure/low im development ☐ Other:	disposal/pet hing esticide and ement construction	✓ General Public     │ Public Employees     ✓ Residents     │ Businesses     │ Contractors     │ Developers     │ Industries     │ Other	Select	
Event Start Date Project/Event Name Delivery Mechanism	1/1/2020 Pet waste web Website		Estimated People	*Active
Topics Covered  ☐ Illicit discharge detection an ☑ Household hazardous waste waste management/vehicle was	disposal/pet	Target Audience  ✓ General Public  ☐ Public Employees ✓ Residents	Reached (Optional)  Select	(Optional)  Yes  No

Yard waste management/pesticide and fertilizer application  Stream and shoreline management  Residential infiltration  Construction sites and post-construction storm water management  Pollution prevention  Green infrastructure/low impact development  Other:	☐ Businesses ☐ Contractors ☐ Developers ☐ Industries ☐ Other		
Event Start Date 1/1/2020			
Project/Event Name Ice and Snow	info graphic		
Delivery Mechanism Signage			*Active
Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☐ Illicit discharge detection and elimination ☐ Household hazardous waste disposal/pet waste management/vehicle washing ☑ Yard waste management/pesticide and fertilizer application ☐ Stream and shoreline management ☐ Residential infiltration ☐ Construction sites and post-construction storm water management ☐ Pollution prevention ☐ Green infrastructure/low impact development ☐ Other:	✓ General Public ✓ Public Employees ✓ Residents ✓ Businesses ✓ Contractors ☐ Developers ☐ Industries ☐ Other	Select	
Event Start Date 1/1/2020 Project/Event Name Sweep grass in	nfo graphic		
Delivery Mechanism Distribution of	<u>print media</u>		*Active
Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☐ Illicit discharge detection and elimination ☐ Household hazardous waste disposal/pet waste management/vehicle washing ☑ Yard waste management/pesticide and fertilizer application ☐ Stream and shoreline management ☐ Residential infiltration ☐ Construction sites and post-construction storm water management ☐ Pollution prevention	✓ General Public ✓ Public Employees ✓ Residents ✓ Businesses ✓ Contractors ☐ Developers ☐ Industries ☐ Other	51-100	○ Yes ● No

Event Start Date 12/21/2020	and the second s		
Project/Event Name Smart salting	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	***************************************	
Delivery Mechanism Social media p	oost	1	*Active
Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☐ Illicit discharge detection and elimination ☐ Household hazardous waste disposal/pet waste management/vehicle washing ☑ Yard waste management/pesticide and fertilizer application ☐ Stream and shoreline management ☐ Residential infiltration ☐ Construction sites and post-construction storm water management ☐ Pollution prevention ☐ Green infrastructure/low impact development ☐ Other:	✓ General Public ✓ Public Employees ✓ Residents ✓ Businesses ✓ Contractors ☐ Developers ✓ Industries ☐ Other	Select	○ Yes ● No
Delivery Mechanism Media offering		Estimated People	*Active
Project/Event Name  Delivery Mechanism  Media offering  Topics Covered  Illicit discharge detection and elimination	The second secon	Estimated People Reached (Optional) Select	*Active  Regional Effort (Optional)  Yes No
Project/Event Name  Delivery Mechanism  Media offering  Topics Covered  Illicit discharge detection and elimination  Household hazardous waste disposal/pet waste management/vehicle washing  Yard waste management/pesticide and ertilizer application	Target Audience  ✓ General Public ✓ Public Employees ✓ Residents ✓ Businesses ✓ Contractors	Reached (Optional)	Regional Effort (Optional)
Project/Event Name  Delivery Mechanism  Media offering  Topics Covered  Illicit discharge detection and elimination Household hazardous waste disposal/pet waste management/vehicle washing  Yard waste management/pesticide and fertilizer application  Stream and shoreline management  Residential infiltration	Target Audience  General Public Public Employees Residents Businesses Contractors Developers Industries	Reached (Optional)	Regional Effort (Optional)
Project/Event Name  Delivery Mechanism  Media offering  Opics Covered  Illicit discharge detection and elimination Household hazardous waste disposal/pet waste management/vehicle washing  Yard waste management/pesticide and ertilizer application  Stream and shoreline management Residential infiltration  Construction sites and post-construction	Target Audience  General Public Public Employees Residents Businesses Contractors Developers	Reached (Optional)	Regional Effort (Optional)
Project/Event Name  Delivery Mechanism  Media offering  Topics Covered  Illicit discharge detection and elimination Household hazardous waste disposal/pet waste management/vehicle washing  Yard waste management/pesticide and fertilizer application Stream and shoreline management Residential infiltration Construction sites and post-construction storm water management	Target Audience  General Public Public Employees Residents Businesses Contractors Developers Industries	Reached (Optional)	Regional Effort (Optional)
Project/Event Name  Delivery Mechanism  Media offering  Topics Covered  Illicit discharge detection and elimination Household hazardous waste disposal/pet waste management/vehicle washing  Yard waste management/pesticide and fertilizer application Stream and shoreline management Residential infiltration Construction sites and post-construction storm water management Pollution prevention Green infrastructure/low impact development	Target Audience  General Public Public Employees Residents Businesses Contractors Developers Industries	Reached (Optional)	Regional Effort (Optional)
Project/Event Name  Delivery Mechanism  Media offering  Topics Covered  Illicit discharge detection and elimination Household hazardous waste disposal/pet waste management/vehicle washing  Yard waste management/pesticide and ertilizer application Stream and shoreline management Residential infiltration Construction sites and post-construction torm water management Pollution prevention Green infrastructure/low impact development Other:  Event Start Date  Street sweepi Media offering Media offerin	Target Audience  General Public  Public Employees  Residents Businesses Contractors Developers Industries Other	Reached (Optional)	Regional Effort (Optional)
Project/Event Name  Delivery Mechanism  Media offering  Topics Covered  Illicit discharge detection and elimination Household hazardous waste disposal/pet waste management/vehicle washing  Yard waste management/pesticide and ertilizer application Stream and shoreline management Residential infiltration Construction sites and post-construction torm water management Pollution prevention Green infrastructure/low impact development Other:  Streat Start Date  3/16/2020 Project/Event Name  Street sweepi Media offering Media offerin	Target Audience  General Public Public Employees Residents Businesses Contractors Developers Industries Other	Reached (Optional)	Regional Effort (Optional)
Project/Event Name  Delivery Mechanism  Media offering  Topics Covered  Illicit discharge detection and elimination Household hazardous waste disposal/pet waste management/vehicle washing  Yard waste management/pesticide and fertilizer application Stream and shoreline management Residential infiltration Construction sites and post-construction storm water management Pollution prevention Green infrastructure/low impact development Other:  Event Start Date  Street sweepi Media offering Media offeri	Target Audience  General Public Public Employees Residents Businesses Contractors Developers Industries Other	Reached (Optional)	Regional Effort (Optional)
Project/Event Name  Delivery Mechanism  Media offering  Topics Covered  Illicit discharge detection and elimination Household hazardous waste disposal/pet waste management/vehicle washing  Yard waste management/pesticide and fertilizer application Stream and shoreline management Residential infiltration Construction sites and post-construction storm water management Pollution prevention Green infrastructure/low impact development Other:  Event Start Date  3/16/2020 Project/Event Name  Street sweepi Media offering Media offeri	Target Audience  General Public Public Employees Residents Businesses Contractors Developers Industries Other	Reached (Optional)	Regional Effort (Optional) Yes No

waste management/vehicle washing  Yard waste management/pesticide and fertilizer application  Stream and shoreline management  Residential infiltration  Construction sites and post-construction storm water management  Pollution prevention  Green infrastructure/low impact development  Other:	Residents Businesses Contractors Developers Industries Other		
Event Start Date 5/15/2020			
Project/Event Name Grass Clipping I	Press release		
Delivery Mechanism Media offering		I	*Active
Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☐ Illicit discharge detection and elimination ☐ Household hazardous waste disposal/pet waste management/vehicle washing ☑ Yard waste management/pesticide and fertilizer application ☐ Stream and shoreline management ☐ Residential infiltration ☐ Construction sites and post-construction storm water management ☐ Pollution prevention ☐ Green infrastructure/low impact development ☐ Other:	✓ General Public ✓ Public Employees ✓ Residents ✓ Businesses ✓ Contractors ☐ Developers ☐ Industries ☐ Other	Select	○Yes ● No
Event Start Date 6/17/2020	anne de casa de la cas		
	fertilizer press Release		
Delivery Mechanism Media offering	rerunzer press keredse		*Active
Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☐ Illicit discharge detection and elimination ☐ Household hazardous waste disposal/pet waste management/vehicle washing ☑ Yard waste management/pesticide and fertilizer application ☐ Stream and shoreline management ☐ Residential infiltration ☐ Construction sites and post-construction storm water management ☐ Pollution prevention ☐ Green infrastructure/low impact development	✓ General Public ✓ Public Employees ✓ Residents ☐ Businesses ✓ Contractors ☐ Developers ✓ Industries ☐ Other	Select	Yes No

Other:			
Event Start Date 9/18/2020  Project/Event Name Leaf Pick up F  Delivery Mechanism Media offerin			*Active
Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☐ Illicit discharge detection and elimination ☐ Household hazardous waste disposal/pet waste management/vehicle washing ☑ Yard waste management/pesticide and fertilizer application ☐ Stream and shoreline management ☐ Residential infiltration ☐ Construction sites and post-construction storm water management ☐ Pollution prevention ☐ Green infrastructure/low impact development ☐ Other:	✓ General Public ✓ Public Employees ✓ Residents ✓ Businesses ✓ Contractors ☐ Developers ☐ Industries ☐ Other	Select	○ Yes ● No
Event Start Date 1/1/2020 Project/Event Name Yard Care We Delivery Mechanism Website  Topics Covered	Target Audience	Estimated People Reached (Optional)	*Active  Regional Effort (Optional)
☐ Illicit discharge detection and elimination ☐ Household hazardous waste disposal/pet waste management/vehicle washing ☑ Yard waste management/pesticide and fertilizer application ☐ Stream and shoreline management ☐ Residential infiltration ☐ Construction sites and post-construction storm water management ☐ Pollution prevention ☐ Green infrastructure/low impact development ☐ Other:	✓ General Public ✓ Public Employees ✓ Residents ✓ Businesses ✓ Contractors ☐ Developers ☐ Industries ☐ Other	Select	○ Yes ● No
Event Start Date 1/1/2020 Project/Event Name Snow and Ice	e removal web page		
Delivery Mechanism Website			*Active
Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☐ Illicit discharge detection and elimination	✓ General Public	Select	○ Yes <b>●</b> No

Household hazardous waste disposal/pet waste management/vehicle washing  ✓ Yard waste management/pesticide and fertilizer application  Stream and shoreline management  Residential infiltration  Construction sites and post-construction storm water management  Pollution prevention  Green infrastructure/low impact development  Other:	☐ Public Employees ☐ Residents ☐ Businesses ☐ Contractors ☐ Developers ☐ Industries ☐ Other		
Event Start Date 1/1/2020	and the state of t		
	arden web page	e ann ain ann a diomhairth airmean i ann ann ann ann airmeann ann ann ann ann air a' bhaile ann airmean airmea	
Delivery Mechanism Website	- 1863. (1947 - NY BATTELS 1788)	9 - 1. 18 - 18 - 18 - 18 - 18 - 18 - 18 -	*Active
Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☐ Illicit discharge detection and elimination ☐ Household hazardous waste disposal/pet waste management/vehicle washing ☐ Yard waste management/pesticide and fertilizer application ☐ Stream and shoreline management ☑ Residential infiltration ☐ Construction sites and post-construction storm water management ☐ Pollution prevention ☐ Green infrastructure/low impact development ☐ Other:	✓ General Public  □ Public Employees  ✓ Residents  □ Businesses  ✓ Contractors  □ Developers  □ Industries  □ Other	Select	○Yes ● No
Event Start Date 1/1/2020			
Reservation and the second and the s	ol/stormwater magagment w	reh nages	
Delivery Mechanism Website			*Active
Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☐ Illicit discharge detection and elimination	✓ General Public	Select	○Yes ● No
Household hazardous waste disposal/pet	Public Employees		
waste management/vehicle washing  Yard waste management/pesticide and	Residents		
fertilizer application	<ul><li>✓ Businesses</li><li>✓ Contractors</li></ul>		
☐ Stream and shoreline management	✓ Developers		
Residential infiltration	✓ Industries		
✓ Construction sites and post-construction storm water management  ☐ Pollution prevention	Other		
Green infrastructure/low impact			

[ ]			
Other:			
Event Start Date 1/1/2020	NOTION CONTROL TO THE CONTROL OF THE		
	######################################		
	evention web page		
Delivery Mechanism Website			*Active
Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☐ Illicit discharge detection and elimination ☐ Household hazardous waste disposal/pet waste management/vehicle washing ☐ Yard waste management/pesticide and fertilizer application ☐ Stream and shoreline management ☐ Residential infiltration ☐ Construction sites and post-construction storm water management ☑ Pollution prevention	☐ General Public ☐ Public Employees ☑ Residents ☐ Businesses ☐ Contractors ☐ Developers ☐ Industries ☐ Other	Select	Yes  No
☐ Green infrastructure/low impact development ☐ Other:			
o. Brief explanation on Public Education			onse to 250 characte
and/or attach supplemental informa See the City of Manitowoc MS4 Pro	tion on the attachme		onse to 250 character
and/or attach supplemental informa See the City of Manitowoc MS4 Pro	gram 2020 Summary		
and/or attach supplemental information See the City of Manitowoc MS4 Prop Missing Information	gram 2020 Summary  Do not close	ents page. e your work until you <b>S</b>	
See the City of Manitowoc MS4 Prog Missing Information	prion on the attachments of the second secon	ents page. e your work until you <b>S</b>	
See the City of Manitowoc MS4 Programmed Missing Information  Note: For the minimum control measures, you multiplication Minimum Control Measures - Section 2015	Do not close ust fill out all questions in se	ents page. e your work until you <b>S</b>	AVE.
Ind/or attach supplemental information See the City of Manitowoc MS4 Proposition  Missing Information  Jote: For the minimum control measures, you m  Minimum Control Measures - Section  2. Public Involvement and Participa	Do not close ust fill out all questions in second 2: Complete ation	e your work until you Soctions 1 through 7	AVE. Form 3400-224
ind/or attach supplemental information See the City of Manitowoc MS4 Proposes the City of MS4 Propose	Do not close ust fill out all questions in second 2: Complete ation	e your work until you Soctions 1 through 7	AVE.  Form 3400-224  ent and Participation
See the City of Manitowoc MS4 Programmed The City of Manitowoc MS4 Programmed Missing Information  Missing Information  Minimum Control Measures - Section Public Involvement and Participal Permit Activities. Complete the formation activities related to storm water. Selection Permit Activities and Participal Permit Activities Permit Activities.	Do not close ust fill out all questions in second complete ation.	e your work until you Soctions 1 through 7  on Public Involvement of the public Involvement of t	AVE.  Form 3400-224  ent and Participation lescribes how the per
See the City of Manitowoc MS4 Programmed and Programmed Missing Information  Missing Information  Minimum Control Measures - Section 2. Public Involvement and Participal Permit Activities. Complete the for Activities related to storm water. Selectivities were conveyed to your population.	Do not close ust fill out all questions in second complete ation.	e your work until you Soctions 1 through 7  on Public Involvement of the public Involvement of t	AVE.  Form 3400-224  ent and Participation lescribes how the per
See the City of Manitowoc MS4 Programmed See the City of Manitowoc MS4 Programmed Missing Information  Missing Information  Minimum Control Measures - Section Permit Activities. Complete the for Activities related to storm water. Selectivities were conveyed to your population of Mactivities were conveyed to your population of Mactivities were conveyed to your population.	Do not close ust fill out all questions in second complete ation.	e your work until you Soctions 1 through 7  on Public Involvement of the public Involvement of t	AVE.  Form 3400-224  ent and Participation lescribes how the per
Missing Information  Minimum Control Measures - Section Permit Activities. Complete the formation Control Measures related to storm water. Section Control Measures at Permit Activities. Complete the formation of the Control Measures at Permit Activities. Complete the formation of the Control Measures at Permit Activities. Complete the formation of the Control Measures at Permit Activities. Complete the formation of the Control Measures and Participate at Permit Activities. Complete the formation of the Control Measures and Participate at Permit Activities. Complete the formation of the Control Measures and Participate at Permit Activities. Complete the formation of the Control Measures and Participate at Permit Activities. Complete the formation of the Control Measures and Participate at Permit Activities. Complete the formation of the Control Measures and Participate at Permit Activities. Complete the formation of the Control Measures and Participate at Permit Activities. Complete the formation of the Control Measures and Participate at Permit Activities. Complete the formation of the Control Measures at Permit Activities. Complete the formation of the Control Measures at Permit Activities. Complete the formation of the Control Measures at Permit Activities.	Do not close ust fill out all questions in second complete ation.	e your work until you Soctions 1 through 7  on Public Involvement of the public Involvement of t	AVE.  Form 3400-224  ent and Participation lescribes how the per

MS4 Annual Report		General Public	Select	○ Yes <b>③</b> No
Storm Water Management Storm Water related ordina Other:	_	Public Employees  Residents Businesses Contractors Developers Industries Other		
	rm water.	Select the Deliver	y Mechanism that best	vement and Participation describes how voluntee
Event Start Date	4/1/202		ie Add Event to ddd dde	attorial circles.
Project/Event Name		ned Clean up	a reparation of the state of th	
Delivery Mechanism	Clean up			
Topics Covered	Target Aud		Estimated People Reached (Optional)	Regional Effort (Optional)
Volunteer Opportunity	<b>✓</b> Genera	l Public	Select	○ Yes
	☐ Public E	Employees		
	✓ Residents			
	Busines	sses		
	Contractors			
	☐ Develo	pers		
	□Industr	ies	•	
	Other			
Event Start Date	5/1/202	10		
Project/Event Name	Stencili	ng project		
Delivery Mechanism	Storm d	rain stenciling		
Topics Covered	Target Aud	lience	Estimated People Reached (Optional)	Regional Effort (Optional)
Volunteer Opportunity	<b>☑</b> Genera	l Public	<u>1 - 10</u>	○ Yes
	☐ Public E	Employees		
	<b>✓</b> Resider	nts		
	Busines	sses		
	Contrac	ctors		
	☐ Develo	pers		
	☐Industr	ies		
	Other			
Event Start Date	9/1/202	20	The state of the s	
Project/Event Name		Irain Mural	3	
Delivery Mechanism		rain stenciling		·

Topics Covered	Target Audience	Estimated (Optional)	l People Reached	Regional Effort (Optional)
Volunteer Opportunity	General Public	Select		○Yes ● No
	☐ Public Employees			
	✓ Residents			
	Businesses			
	Contractors			
	☐ Developers			
	☐ Industries			
	Other			
	or attach supplemental c MS4 Program 2020 Sumi			
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☐ Civil Penalty/ Citation	***************************************			
Additional Information:	вышения поличения в воличения в в воличения в в в в в в в в в в в в в в в в в в в			
h. Brief explanation on Illicit Discharge Detect marked Unsure for any questions above, ju 250 characters and/or attach supplementa	stify the reasoni	ng. Limit r	esponse to	
See the City of Manitowoc MS4 Program 2020 Sum	mary			
Missing Information				
	Do not close your	work until vo	u SAVF	
Note: For the minimum control measures, you must fill out all			u JAVE.	
			Form 3400-	224 (09/20)
Minimum Control Measures - Section 4: Co	omplete			
4. Construction Site Pollutant Control				
a. How many total construction sites with one		22	☐ Unsure	
of land disturbing construction activity wer point in the reporting year?	e active at any			
b. How many construction sites with one acre	e or more of	14	☐ Unsure	
land disturbing construction activity did the		14	and some analysis and analysis and a significant	
issue permits for in the reporting year?				
c. How many erosion control inspections did	the municipality	46	□Unsure	
complete in the reporting year?				
<ul> <li>What types of enforcement actions does the to compel compliance with the regulatory apply and enter the number of each used in the No Authority</li> </ul>	mechanism? Che	eck all that		
✓ Verbal Warning	0			
Written Warning (including email)	2			
✓ Notice of Violation	0			
☑ Civil Penalty/ Citation	0	500000		
✓ Stop Work Order	0			
☐ Forfeiture of Deposit	Compression and Control of Contro	AND 1		
☐ Other - Describe below		ALL CONTRACTOR CONTRAC		
e. Brief explanation on Construction Site Pollo Unsure for any questions above, justify the and/or attach supplemental information or See the City of Manitowoc MS4 Program 2020 Sum	reasoning. Limit n the attachmen	t response		

## 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 ( <u>09/</u> 2
	nimum Control Measures - Section 5:		d di barana da	
).      -  -  -	Post-Construction Storm Water Manage How many sites with new structural storm nanagement facilities* have received low Engineered and constructed systems that are design uality control such as wet detention ponds, construct asins, grassed swales, permeable pavement, catch bases	rm water ocal approval? ed to provide storm water ted wetlands, infiltration	1	☐ Unsure
	Does the municipality utilize privately or		● Yes ○ No	☐ Unsure
	nanagement facilities in its pollutant re	•		
<b>r</b>	f Yes, How many privately owned storm nanagement facilities were inspected in nspections completed by private land owners should umber.	n the reporting year?		☐ Unsure
t	Vhat types of enforcement actions doe or compel compliance with the regulato apply and enter the number of each use No Authority	ory mechanism? Chec	k all that	☐ Unsure
ı	☑ Verbal Warning	. 0		
1	☑ Written Warning (including email)	0		
1	✓ Notice of Violation	0		
	☐ Civil Penalty/ Citation			
	☐ Forfeiture of Deposit		 -ر	
	✓ Complete Maintenance	\$33332000000000000000000000000000000000		
	☑ Bill Responsible Party	0		
	☐ Other - Describe below		one!	
1	Brief explanation on Post-Construction S marked 'Unsure' on any questions above 250 characters and/or attach supplemen	e, justify your reasoni	ng. Limit your	response to
	the Post Construction Storm Water Manage			
te este commen				

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

Form 3400-224 (09/20)

Minimum Control Measures - Section 6: Complete		
6. Pollution Prevention	ent Chi Marine laten	
Storm Water Management Facility Inspections   Not Application	able	
a. Enter the total number of municipally owned or operated structural storm water management facilities?	17	☐ Unsure
b. How many new municipally owned storm water managemer facilities were installed in the reporting year?	nt 0	☐ Unsure
<ul> <li>c. How many municipally owned storm water management factoring were inspected in the reporting year?</li> <li>d. What elements are looked at during inspections (250 character)</li> </ul>	w	□Unsure
limit)?		mayanan engangan maganan maganan
Pond Depth, Ponding of infiltration basin, Storm sewer pipes invasive species, plant condition, slumping and erosion.	s and structur	re condition,
e. How many of these facilities required maintenance?	4	□Unsure
Brief explanation on Storm Water Management Facility insperses reporting. If you marked Unsure for any questions above, just reasoning. Limit response to 250 characters and/or attach se information on the attachments page.	tify the	
See City of Manitowoc MS4 Program Summary		
Public Works Yards & Other Municipally Owned Properties (SW	VPPP Plan Rev	view) □ Not Applicable
g. How many municipal properties require a SWPPP?	2	□Unsure
h. How many inspections of municipal properties have been conducted in the reporting year?	4	Unsure
<ul> <li>i. Have amendments to the SWPPPs been made?</li> <li>○ Yes  No  Unsure</li> </ul>		
i. If yes, describe what changes have been made. Limit responsand/or attach supplemental information on the attachment		racters
k. Brief explanation on Storm Water Pollution Prevention Plan Unsure for any questions above, justify the reasoning. Limit characters and/or attach supplemental information on the a	response to 2	50
See attached Pollution prevention section in the City of Mar 2020 Summary	nitowoc MS4	Program
Collection Services - Street Sweeping / Cleaning Program   No.	ot Applicable	
Did the municipality conduct street sweeping/cleaning during  ● Yes ○ No ○ Unsure	ng the report	ing year?
m. If known, how many tons of material was removed?	704	□ IInsure

Line	See attached Pollution prevention section in the City of Manitowoc MS4 Program 2020 Summary  Vinter Road Management   Not Applicable  lote: We are requesting information that goes beyond the reporting year, answer the best you can.
<b>Z</b> .	Brief explanation on Collection Services 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
	Is collection followed by street sweeping/cleaning?
x.	What is the frequency of collection? weekly
	☑ Other - Describe Pile on Terrace until day before pick up.
	☐ Pile on terrace ☐ Pile in street ☐ Bags on terrace ☐ Unsure
	Where are the residents directed to store the leaves for collection?
	Does the municipality notify homeowners about pickup?    Yes   No   Unsure
كمفائدة	Does the municipality conduct curbside leaf collection?
Co	ollection Services - <i>Leaf Collection Program</i>
	● Not Applicable
	O No - Explain
	○ Yes- Explain frequency
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?
s.	Does the municipality have a low hazard exemption for this OYes   No Material?
r.	If known, how many tons of material was collected?
q.	How many catch basin sumps were cleaned in the reporting year? ☐ Unsure ☐ Unsure
р.	Did the municipality conduct catch basin sump cleaning during the reporting year? ○ Yes  No ○ Unsure
Co	ollection Services - Catch Basin Sump Cleaning Program   Not Applicable
	○ Not Applicable
	No - Explain Routes were not always completed weekly
	○ Yes - Explain frequency
0.	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?
	material?

ab. Provide amount of de-icing products used by month last winter season? Solids (tons) (ex. sand, or salt-sand) **Product** Oct Nov Dec Feb Jan Mar Salt 0 497 88 0 245 356 Salt/sand mix 0 0 26 0 0 0 Liquids (gallons) (ex. brine) Oct Nov Dec Jan Feb Mar **Brine** 0 3387 3437 0 1585 848 ac. Was salt applying machinery calibrated in the reporting year? ad. Have municipal personnel attended salt reduction strategy ○ Yes ● No ○ Unsure training in the reporting year? **Training Date** # Attendance **Training Name** 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 See 2020 Pollution Prevention Internal (Staff) Education & Communication Has training or education been held for municipal or other ● Yes ○ No ○ Unsure personnel involved in implementing each of the pollution prevention program elements? If yes, describe what training was provided (250 character limit): Matt meet with Billy and Curt to look at the Swppp's they are responsible for, Excall training for seasonal employees When: June How many attended: 38 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**

Elected officials review the annual Report and are sent storm water related press releases and review items on the agenda.

## **Municipal Officials**

Municipal officals review the annual report, and attend MS4 team meetings

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

	City staff review the annual report, attend team meetings and are sent storm water related press releases
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.
	See the Pollution prevention section in the City of Manitowoc MS4 Program 2020 Summary
Mi	ssing Information
naganies in a (2)	
honoradus Sci	Do not close your work until you <b>SAVE.</b>
lote	: For the minimum control measures, you must fill out all questions in sections 1 through 7
	Form 3400-224 (09/20
Mi	nimum Control Measures - Section 7: Complete
7.	Storm Sewer System Map
	Did the municipality update their storm sewer map this year? ● Yes ○ No ○ Unsure
	● Yes ○No ○Unsure  f yes, check the areas the map items that got updated or changed:
	✓ Storm water treatment facilities
	☑ Storm pipes □ Vegetated swales
	☑ vegetated swales  ✓ Outfalls
	☐ Other - Describe below
********	
(	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.
See	the storm sewer mapping section in the City of Manitowoc MS4 Program Summary

Do not close your work until you SAVE.

Form 3400-224 (09/20)

## Final Evaluation - Has Missing Items

#### 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 Budget	Budget	Source of Funds	
<b>Expenditure</b> Reporting Year	Upcoming		
Reporting Year	Year		

**Element:** Public Education and Outreach

850 1500 1500 General revenue fund

**Element:** Public Involvement and Participation

1274 1800 1800 <u>General revenue fund</u>

**Element:** Illicit Discharge Detection and Elimination

3728 3300 4000 <u>General revenue fund</u>

**Element:** Construction Site Pollutant Control

1835 5000 Fermit fee and/or deposit/escrow

**Element:** Post-Construction Storm Water Management

11763 30000 30000 General revenue fund

**Element:** Pollution Prevention

632081 620000 640000 <u>General revenue fund</u>

Other (describe)

Storm water quality managment

13452 8800 8800 <u>General revenue fund</u>

Other (describe)

Storm sewer Mapping

0 300 General revenue fund

Please provide a justification for a "0" entered in the Fiscal Analysis. Limit response to 250 characters.  The mapping time must have been put down under a different area.
The mapping time must have been put down under a different area.
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>b</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.
See attached City of Manitowoc MS4 Program Summary

Missing Information:	三·27 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	in de la company
Question a is required,		
	Do not close your work until you SAVE.	
		m 3400-224 (09/20)
Requests for Assistance on Understanding Per		
Would the municipality like the Department to understanding any of the Municipal Separate St	• –	ormation on
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 Managemen	t	
☐Pollution Prevention		
☐ Storm Water Quality Management		
☐ Storm Sewer System Map		
☐ Water Quality Concerns		
☐ Compliance Schedule Items Due		
☐ MS4 Program Evaluation		

Required Attachments a	nd Supplemental II	nformation	SERVICE 2		Control of the Contro
		•	may be attached or	n here. Use	
Upload Required Attachment *Required Item	s (15 MB per file limit)	- <u>Help reduce file s</u>	ize and trouble sho	ot file uploads	
Note: To replace an existing f	ile, use the 'Click here	to attach file ' link c	or press the to dele	te an item.	
Storm Sewer System Ma	ıp.				
∅ File Attachment					
Attach - Other Supporting	ng Documents				
In yother MS4 program information for inclusion in the Annual Report may be attached on here. Use the Add Additional Attachments to add multiple documents.  Ipload Required Attachments (15 MB per file limit) - Help reduce file size and trouble shoot file uploads Required Item  Idea: To replace an existing file, use the 'Click here to attach file' link or press the to delete an item.  Storm Sewer System Map  If File Attachment  Attach - Other Supporting Documents  To remove items, use your cursor to hover over the attachment section. When the drop down arrow appears, select remove item)  Attach - Permit Compliance Documents					
CS Program					
File Attachment					
(To remove items, use your cursor	to hover over the attachm	nent section. When the	drop down arrow appe	ars, select remove	e item)

# Missing Information

You must attach a file for the select attachment type.,

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** 

### Complete and Submit Your Application

You have not completed all areas of the application. Please return to the application and complete all missing items.

Contact Information: Complete

Minimum Control Measures Section 1: Complete

Minimum Control Measures Section 2: Complete

Minimum Control Measures Section 3: Complete

Minimum Control Measures Section 4: Complete

Minimum Control Measures Section 5: Complete

Minimum Control Measures Section 6: Complete

Minimum Control Measures Section 7: Complete

Attachments: Required- Has Missing Items

Final Evaluation: Has Missing Items

### **Table of Contents**

Attachment A. 2020 City of Manitowoc MS4 Program Summary

Attachment B. 2020 Public Education and Involvement Activities

2020 Staff Training/Discussion Activities

Attachment C. 2020 Illicit Discharge Activities

2020 Outfall Screening Results

Attachment D. 2020 Construction Site Permits

Attachment E. 2020 Storm Water BMP facilities

Attachment F. 2020 Pollution Prevention

Attachment G. 2020 Budget

Attachment H. 2020 MS4 System Map

# **Attachment A**

# City of Manitowoc MS4 Program 2020 Summary

The City of Manitowoc is located in the North East lake shore TMDL area. This TMDL is currently being developed and is expected to be completed by late 2022 or early 2023. The City intends to apply for a WDNR urban planning grant to seek funding for a storm water quality management plan update to comply with the city's Municipal Separate Storm Sewer System permit and the Northeast Lakeshore total maximum daily load limits. The City has contracted with Strand Associates to help with this work. The City storm water programs have been updated to meet compliance due March 31<sup>st</sup>, 2021 but, further evaluation is needed to strengthen the programs.

#### **Public Education and Outreach**

The City of Manitowoc continues to actively implement an effective public education and outreach program. In 2020 the City developed a new Outreach and Education Plan utilizing the **Northeast Wisconsin Storm Water Consortium (NEWSC) spread** sheet to verify that the city is meeting the new permit requirements. The City is an active member of NEWSC and is aware that the NEWSC annual report has been submitted to the WDNR. Activities in the report should be credited to the City of Manitowoc. During 2020, NEWSC provided its members with many educational documents for use in their own communities and the City of Manitowoc utilized them when appropriate. NEWSC also participated in the Fox Wolf Watershed Conference as a means to better reach out and educate the public. The City of Manitowoc sponsored this conference as a silver sponsor in 2020 so some of the educational credit component should be given to the City of Manitowoc.

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 2020, we stenciled inlets with YMCA only due to Covid.

The City also did a great deal of public education on its own. This year a city resident painted a mural around an inlet at Citizens Park with a storm water message. 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.

- 88 Grass clipping notices were mailed out.
- 16 storm water related press releases sent out.
- 71 storm water facility educational flyers mailed.
- 5 Grass Clipping Yard signs were given out.
- 79 Letters sent to residents for Brush and Rakings clean up.

#### **Public Involvement and Participation**

The City of Manitowoc implemented a Public Involvement program utilizing the **Northeast Wisconsin Storm Water Consortium (NEWSC) spreadsheet.** 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 2020 include

## Public Meeting discussions

- N. 12<sup>th</sup> Street storm sewer repair needs
- MS4 Annual report for 2019
- Storm sewer easement needs on W Crescent Drive
- Flooding on S 9<sup>th</sup> Street at Marshall Street and Custer Lane by Hendricks Beverage
- Erosion along Mariners Trail and Lake Michigan
- Storm Drainage at Southbrook Apts.
- Resolution for a DNR Urban Nonpoint Source Storm water Planning grant.
- Storm water Maintenance Agreement for
  - o Calumet Ave LLC (Panera)
  - o Meijer
  - Manitowoc Tool & Machine(MTM)
  - o Forest Creek Apartments
  - Color Craft
  - Lakeside Foods
  - o Calumet Ave LLC Verizon

#### Volunteer Opportunities

- Beach clean up
- River clean up
- Storm water mural
- Storm drain stenciling
  - o 55 inlets stenciled
  - o 10 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 2020 include:

- Completed a field screening of 68 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 catch basins, BMP's, outfall locations and storm sewer
- Updated the City Illicit Discharge procedures Guide in 2020
- Sent 88 letters to residents in regards to grass clippings being blown into the street

#### **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 2020 include:

- Reviewed and issued 14 erosion control permits
- 22 construction sites and 83 documented inspections
- Numerous erosion control inspections have been completed but they have not been documented.

#### Post Construction Storm water Management

The City's Post Construction site program includes review of permit 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 2020 include:

- Reviewed and issued permits to 1 construction site for structural storm water facilities
- Drafted and recorded 8 maintenance agreements
- Sent letters with education flyer to 71 private post construction storm water facilities requesting required inspections. Receiving 49 completed inspections back.
- Municipal and professional inspections of all City owned post construction storm water facilities.
- Trapper visited, inspected 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 2020 include:

- Inspection of municipally owned storm water facilities
- Cleaning of 485 catch basins and some inlets
  - o This removed 106 CY assuming catch basins are 2/3 full
  - o 239 new catch basins were added in 2020
- Conducted weekly leaf collection in fall with a onetime pick up in spring.
  - o 8,343 Cubic Yards of Leaves and brush picked up.
- Street sweeping weekly
  - o issuing 2,477 parking tickets and handing out 2,294 parking violation warnings
  - o 13,064 miles of streets was swept
  - o 704.39 tons of sweeping material removed/landfilled
- 108,375 feet of ditches maintained
- 21,747 feet of storm sewers cleaned and televised
- Parks SWPPP inspections

- DPI SWPPP inspections
- 38 staff watched Excal Visual Storm water Pollution Prevention DVD
- The city held three MS4 team meetings. Individuals with in the DPI who are involved with storm water duties met once in May, October and December to discuss their storm water requirements and how they will be met.

#### Storm water mapping

The Cities up dated the storm water mapping on its GIS system. This included all new storm pipes, manholes, catch basin/inlets, outfalls and BMP's constructed in 2019. The 2020 construction season will be updated early in 2021. Updated mapping items include:

- Removed 11,906 feet storm pipe and installed 24,412 feet of storm pipe
- Removed 15 inlets and installed 239 catch basins
- Removed 76 storm manholes and installed 115 storm manholes
- 5 private storm ponds and 2 private infiltration basins added
- The storm drain stenciling map with 55 storm drains stenciled

#### **Proposed Changes**

The City of Manitowoc has worked aggressively to meet the MS4 obligations. The City has had three MS4 Team Meetings in 2020 where Managers and parties involved discussed and evaluated the City's storm water program. The City has contracted with Strand to apply for the WDNR UNPS grant opportunity. This planning grant would be utilized to help prepare the city for the coming Northeast Lakeshore TMDL, to update our Storm water Quality Plan, and to further evaluate and strengthen our MS4 programs.

# **Attachment B**

# **2020 Public Education and Involvement Activities**

Date	Activity	Summary	Measurable Goals
1/10/2020	Winter parking ban Press release	Press Release sent out to inform residents of the winter parking ban going into effect. This helps clear snow and may reduce salt use	1 Press Release
1/12/2020	Winter parking ban Press release	Press Release sent out to inform residents of the winter parking ban going into effect. This helps clear snow and may reduce salt use	1 Press Release
1/17/2020	Winter parking ban Press release	Press Release sent out to inform residents of the winter parking ban going into effect. This helps clear snow and may reduce salt use	1 Press Release
1/17/2020	Winter parking ban Press release	Press Release sent out to inform residents of the winter parking ban going into effect. This helps clear snow and may reduce salt use	1 Press Release
2/17/2020	Winter parking ban Press release	Press Release sent out to inform residents of the winter parking ban going into effect. This helps clear snow and may reduce salt use	1 Press Release
2/21/2020	MS4 Press Release	Press Release sent out informing residents that the 2019 Manitowoc Municipal Separate Storm Sewer annual report is available for review and	1 Press Release
4/27/2020	Face book Share	NEWSC post reminding residents to clean up by the inlets in the street	1 Facebook Post
4/30/2020	Brush Pick up Press Release	Press Release sent informing residents that the City will be picking up brush due to the storm	1 Press Release
5/15/2020	Grass Clipping Press Release	Press Release sent out reminding residents to not blow grass into the street	1 Press Release
5/15/2020	Pet waste Press Release	Press Release sent out reminding residents to clean up after their pet to	1 Press Release
5/15/2020	Street sweeping Press Release	Press Release sent out updating residents on the Street Sweeping Parking Ban	1 Press Release
6/17/2020	Pesticide Press Release	Press Release sent out to educate residents about responsible Herbicide and Fertilizer use on Lawns.	1 Press Release
9/15/2020	Fish don't Swim in Chorine	Face book share education about pool Chorine	1 Facebook Post
9/17/2020	Local resident painted a mural around a storm drain at citizens park to educate the public about storm water.		1 mural painting
9/18/2020	Leaf Pick up Press Release	Leaf Pick up Press Release Press release sent to inform public location, times and rules of leaf pick up with frequently asked questions.	
9/30/2020	Wave length	Wave length is a city employee newsletter. It held information about the	1 Employee news letter.
11/4/2020	Leaf Pick up Press Release	Press release sent to inform public location, times and rules of leaf pick up.	1 Press Release
12/10/2020	Leaf Pick up Press Release	Press release sent to inform public that leaf pick up is done.	1 Press Release

# 2020 Staff Training/Discussion Activities

Date Activity		Summary	Measurable Goals	
1/17/2020	Sustain Our Great Lakes webinar	Webinar for Sustain Our Great Lakes 2020 Guidance for Applicants	Matt Attended	
2/26/2020	WDNR Webinar	Webinar for Urban Nonpoint Source & Storm Water Management Construction Grant Confirmation	Matt Attended	
3/4/2020	MS 4 permit brought to the PI committee Meeting for review		Elected Officials	
3/9/2020	MS4 Team meeting	City employees meet to discuss the requirements and ways to improve our current standing	5 employees present	
9/24/2020	NASECA storm water training	Webinar put on by NASECA called Best Management Practices and Product Demonstrations for Erosion Control and Storm water mgt.	Dan and Greg	
9/30/2020	Wave length	we length Wave length is a city employee newsletter. It held information about the Storm drain mural which educates employs		
10/1/2020	National Municipal Storm water Alliance	National Municipal Storm water Alliance webcast on aging storm water ponds and asset Management	Matt Attended	
10/5/2020	WDNR TMDL webinar	TMDL webinar on watershed model set up	Matt Attended	
10/8/2020	MS4 Team meeting	City employees meet to discuss the requirements and ways to improve our current standing	5 employees present	
11/11/2020	NEWSC	NEWSC had a full consortium meeting	Greg & Matt Attended	
12/2/2020	Conservation Training	Proprietary Devices for infiltration webinar	Matt Attended	
2020 year	ixcal Visual Municipal Storm Water Seasonal workers watched the Excal Visual Municipal Storm Water Pollution Prevention Video Prevention Video		38 employees trained	
3/3/2020 & 3/4/2020	Fox Wolf Watershed conference	Fox Wolf Watershed conference was a two day conference in Green Bay on Storm water. Attendees picked from different presentations to attend and	Dan, Greg, and Matt attended	
5/5/2020 - 5/7/2020	Waukesha county Storm water management webinar		Dan, Greg, and Matt attended	

# **Attachment C**

#### 2020 Illicit Discharge Activities

No.	Date	Location	Summary	Action Taken	WDNR notified	Status	Staff
1	6/1/2020	Dewey Street at Festival	car hit light pole and leaked a small amount of transmission fluid	Oil Dry and street sweeping	no	complete	Matt
2	8/12/2020	South side of Manitowoc	City bus didn't put cap on fuel tank and spilled Diesel around the city.	City sweeper swept some bad areas	no	complete	Matt
3	11/11/2020	Silver Creek Park	Car crashed into Silver Creek	Tow truck removed the car. No signs of leaking fluids	no	complete	Curt/Todd
4	5/14/2020	607 Chicago Street	Vehicle leaking fuel	Letter sent to owner	no	complete	Matt
5	12/11/2020	730 Cleveland Ave	dirt/sod in street	Letter sent to owner	no	complete	Matt
6	7/13/2020	3216 Meadow Lane	Dirt pile in street	Letter sent to owner	no	complete	Matt
7	5/5/2020	4810 Sunset Road	Concrete wash water found in the street	Letter sent to owner	no	complete	Matt
8	1/9/2020	1502 Clark Street	A & O Hood Cleaning company washing grease hood in the street	Sent letter to Phillip Sleger	no	complete	Matt
9	7/21/2020	4116 Custer Street	Cooking oil dumped in street	spoke to owner and told them to clean it up, also sent them a letter	no	complete	Matt
10	3/30/2020	W Custer at 63rd St	farm field erosion into street	Sweeper clean it up	no	complete	Matt
11	3/24/2020	2003 Richmond St	Complaint of man cleaning duct work into the storm sewer	Sent letter to owner	no	complete	Matt
12							
13							
14							
15							
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18							
19							

## 2020 Outfall Monitoring

OutfallID	Material	Size	Outfall Location	Watershed	Inspectors	Date of inspection	Date of last rainfall	Rainfall amount (inches)	Pipe / outfall active		Chlorine	Detergent	Copper	Phenois	Color	Odor	Turbity	Floatable s	Surface Sheen	Discharge estimate	Water level (inches)	Additional Comments
R10-OUT1	STEEL	18"	S.9th Street extended City Parking lot	Manitowoc River	Josh Jirikowic, Dylan Urbanek	6/19/2020	6/12/2020	0.02	N						,							Submerged. Upstream was also submerged
R11-OUT1	CONC	30"	N. 10th Street Bridge	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/24/2020	7/16/2020	2.35	N													Submerged, manhole had no flow
R12-OUT1	CONC	30"	S.10th Street southeast comer of bridge Pietroske building	Manitowoc River	Josh Jirikowic, Dylan Urbanek	6/19/2020	6/12/2020	0.02	N													Submerged. Upstream was also submerged
R13-OUT1	CONC	15"	N.11th Street Extended by Gas Company	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/24/2020	7/16/2020	2.35	N													Submerged, manhole had no flow
R14-OUT1	STEEL?	15"	S. 11th Street Extended, Associated Bank Parking Lot	Manitowoc River	Josh Jirikowic, Dylan Urbanek	6/19/2020	6/12/2020	0.02	N	l	_											Pipe was submerged. Upstream manhole was also submerged
R15-OUT1	CMP VCP	24" 10"	State Street extended behind Wheelers  St. Clair Street extended below Riverview Park	Manitowoc River Manitowoc River			<u> </u>   .'				_									1		
R18-OUT1	V	12"	S. 14th Street extended behind cold storage building	Manitowoc River	Josh Jirikowic, Dylan Urbanek	6/19/2020	6/12/2020	0.02	N													Outfall split apart
R19-OUT1	CONC	24"	East of Consumers lot	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/24/2020	7/16/2020	2.35	N ·					_								Submerged, manhole had no flow
R1-OUT1	СМР	24"	N.5th Street Extended	Manitowoc River	Josh Jirikowic, Dylan Urbanek	6/19/2020	6/12/2020	0.02	N													Submerged. 3rd manhole up had no flow
R20-OUT1	СМР	18"	End of S. 16th Street to the east by Rock Pile	Manitowoc River	Josh Jirikowic, Dylan Urbanek	6/19/2020	6/12/2020	0.02	N													Submerged. Upstream had no flow
R23-OUT1	CONC	18"	West of 21st Street Bridge	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/24/2020	7/16/2020	2.35	N													Submerged, but couldn't find the manhole that leads to outfall
R24-OUT1	CONC	20"	By Lift Station at the End of S. 19th Street	Manitowoc River	Josh Jirikowic, Dylan Urbanek	6/19/2020	6/12/2020	0.02	N													Pipe submerged. Upstream manholes are also submerged.
R25-OUT1	VCP	30"	N.19th Street extended West of SMI Building	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/24/2020	7/16/2020	2.35	N													Submerged, manhole had no flow
R28-OUT1	CONC	24"	Clay Pit Road	Manitowoc River	Josh Jirikowic, Dylan Urbanek	6/19/2020	6/12/2020	0.02	N		-											Pipe submerged. Inlet and manhole upstream are also submerged
R29-OUT2	СМР	21"	N SIDE OF MICHIGAN AVE, BETWEEN N 23RD STREET AND N 24TH STREET	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/24/2020	7/16/2020	2.35	Υ	8.21	0	0.25	0	0	N	N	N	N	N	<2 ft/s	1 in	TDS: 283 ppm. Lots of fallen trees and branches around outfall
R2-OUT1	CONC	12"	S. 5th Street extended (& slightly to the west)	Manitowoc River	Josh Jirikowic, Dylan Urbanek	6/19/2020	6/12/2020	0.02	N				-									Submerged. Upstream was also submerged
R30-OUT2	CONC	60"	Clay Pit Raod Pond Outflow		Josh Jirikowic, Dylan Urbanek	6/19/2020	6/12/2020	0.02	N													There was flow but not enough to collect sample
R30-OUT3	CONC	12"	NE of Clay Pit Road into ravine		Josh Jirikowic, Dylan Urbanek	6/19/2020	6/12/2020	0.02	N													
R31-OUT10	СМР	8"	NW CORNER OF WALDO BLVD & FLEETWOOD DRIVE, INSIDE FENCE OF PROPERTY	Manitowoc River																		
R31-OUT11	RCP	24"	EDGEWOOD ROAD		Josh Jirikowic, Dylan Urbanek	7/24/2020	7/16/2020	2.35	Υ	8.22	0	0.25	0	0	N	N	N	N	N	<2 ft/s	<1 in	TDS: 241 ppm
R31-OUT13	RCP	15"	CHASM LN ALONG PEDWAY AT RAVINE (CAN ALSO ACCESS FROM PEDWAY OFF OF FLEETWOOD DR)	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/24/2020	7/16/2020	2.35	N						,							Pipe was inactive and looked good
R31-OUT1	PVC	15"			Josh Jirikowic, Dylan Urbanek	7/24/2020	7/16/2020	2.35	N											•		Submerged. Manhole was dry
R31-OUT3	RCP	18"	SOUTH SIDE OF MICHIGAN AVE BETWEEN RAHR FARM AND MANITOU PARK - IN CULVERT		Josh Jirikowic, Dylan Urbanek	7/24/2020	7/16/2020	2.35	N													
R31-OUT4	PVC	12"	PHEASANT LANE BETWEEN 3211 & 3219		Josh Jirikowic, Dylan Urbanek	7/24/2020	7/16/2020	2.35	N			:										Was active but not enough to collect sample
R31-OUT5	СМР	12"	W CRESENT DR BETWEEN 1018 & 1030, FOLLOWS NW PROPERTY LINE OF 1018		Josh Jirikowic, Dylan Urbanek	7/24/2020	7/16/2020	2.35	N		-		-									Chunks of concrete at bottom of outfall but it doesn't look like its from the outfall
R31-OUT6	RCP	24"	GLENVIEW DR - SE CORNER OF REFORMED CHURCH PARKING AREA		Josh Jirikowic, Dylan Urbanek	7/24/2020	7/16/2020	2.35	Υ	8.14	0	0.25	0	0	N	N .	N	N	N	<2 ft/s	<1 in	TDS: 287 ppm. Bottom left part of grate is missing
R31-OUT8	PVC	8"	NW CORNER OF WALDO BLVD & FLEETWOOD DRIVE, INSIDE FENCE OF PROPERTY	Manitowoc River												-						~
R31-OUT9	RCP	15"	CENTER OF WALDO BLVD, EAST OF FLEETWOOD DR, MANHOLE DROPS INTO BOX CULVERT	Manitowoc River												-						·
· R32-OUT1	CONC	15"	S. 29th & Lindbergh, empties along RR tracks		Josh Jirikowic, Dylan Urbanek	6/19/2020	6/12/2020	. 0.02	N	<u> </u>										1.		70% submerged. Manhole upstream wasn't active
R34-OUT1	CONC	24"	N. of Broadway Park Road on West Side	Manitowoo River	Josh Jirikowic, Dylan Urbanek	7/2/2020	6/26/2020	0.14	Υ	8	0.01	0	0	0	N	N	N	N	N	<1 ft/s	<1 in	TDS: 469 ppm
R35-OUT2	PVC	12"	E SIDE OF N RAPIDS ROAD N OF ELLIS ST AT R & J TRANSPORT		Josh Jirikowic, Dylan Urbanek	7/21/2020	7/16/2020	2.35	. N				1			-	1					Lots of plants around outfall

1

## 2020 Outfall Monitoring

DOS 01170		1 40"	W SIDE OF N RAPIDS ROAD, N OF ELLIS ST, S OF	:	Josh Jirikowic,							ĺ	1	1								1
R35-OUT3	PVÇ	12"	MPU FACILITY	Manitowoc River	Dylan Urbanek	7/21/2020	7/16/2020	2.35	N													Lots of plants around outfall
R35-OUT4	PVC		W SIDE OF N RAPIDS ROAD, N OF ELLIS ST, AT MPU FACILITY (TAKES SINGLE INLET FROM STREET)	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/21/2020	7/16/2020	2.35	N													Lots of plants around outfall
R35-OUT5	PVC	. 6"	E SIDE OF N RAPIDS ROAD, N OF ELLIS ST AT R&J TRANSPORT (TAKES SINGLE INLET FROM STREET)	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/21/2020	7/16/2020	2.35	N													Lots of plants around outfall
R35-OUT6	PVC		W SIDE OF N RAPIDS ROAD, N OF ELLIS ST AT MPU FACILITY (TAKES SINGLE INLET FROM STREET)	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/21/2020	7/16/2020	2.35	N									_			٠	Lots of plants around outfall
R35-OUT7	PVC		TRANSPORT (TAKES SINGLE INLET FROM	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/21/2020	7/16/2020	2.35	N											-		Lots of plants around outfall
R35-OUT8	PVC	15"	E SIDE OF N RAPIDS ROAD, N OF R&J TRANSPORT	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/21/2020	7/16/2020	2.35	N													Lots of plants around outfall
R35-OUT9	PVC	15"	W SIDE OF N RAPIDS ROAD, N OF MPU FACILITY	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/21/2020	7/16/2020	2.35	N	_	<u>.                                    </u>											Lots of plants around outfall
R36-OUT1	CONC	18"	NE Corner of Broadway, Park Road on west side	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/21/2020	7/16/2020	2.35	N	-												1st pipe joint is seperated and the south wall is falling apart
R37-OUT1	CONC	18"	End of Delta Street extended	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/20/2020	7/16/2020	2.35	N													Submerged and manhole wasn't active
R38-OUT1	CONC	12"	SE Corner of Broadway Bridge by CBS	Manitowoc River	Josh Jirikowic, Dylan Urbanek	6/26/2020	6/24/2020	0.23	N													
R39-OUT1	CONC	30"	End of Conroe Street extended	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/20/2020	7/16/2020	2.35	N									*				Submerged and manhole wasn't active
R3-OUT1	CONC	27"	N.6th Street Extended	Manitowoc River	Josh Jirikowic, Dylan Urbanek	8/5/2020	8/3/2020	0.35	N									<del>_</del> _				
R40-OUT1	PVC	12"	Meadow Lane across from Potter Field	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/20/2020	7/16/2020	2.35	Υ	7.46	0	0.25	0	0	N	N	N	N	N	2 ft/s	1 in	TDS: 188 ppm
R41-OUT1	CONC	24"	NW Corner of Broadway Street Bridge	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/15/2020	7/10/2020	1.13	N .			٠.										Submerged and manhole finlet wasn't active
R43-OUT1	CONC	18"	Archer Street extended by lift station	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/15/2020	7/10/2020	1.13	N													Outfall and 1st manhole were submerged, 2nd one was not active
R44-OUT2	PVC	12"	HESSEL CT INTO THE DITCH ON S RAPIDS ROAD (SW CORNER BY RR)	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/13/2020	7/10/2020	1.13	N			-										Pipe is PVC (NEW)
R45-OUT1	CMP	12"	East of Rapids Bridge on R	Manitowoc River	last Vallancia																	
R46-OUT1	RCP	24"	CUSTER STREET INTO WEST SIDE OF CULVERT, WEST OF VISTA ROAD	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/2/2020	6/26/2020	0.14	N	-			-									
R46-OUT2	RCP	30"	CUSTER STREET INTO EAST SIDE OF CULVERT, WEST OF VISTA ROAD	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/2/2020	6/26/2020	0.14	Y	7.7	0	0.25	0	0	N .	N	N	N	N	2 ft/s	1 in	TDS: 356 ppm
R46-OUT3	RCP	27"	BROOKFIELD CIRCLE BETWEEN 4915 AND 4911	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/13/2020	7/10/2020	1.13	Y	N/A	0	0.25	0	0	N	N	N	N	N	2 ft/s	1 in	TDS: 323 ppm. pH meter malfunctioned and gave an inaccurate reading of 14.
R46-OUT7	RCP	30"	N SIDE OF WEST CUSTER ST BETWEEN 5740 (MPU) AND 5812	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/13/2020	7/10/2020	1.13	N													Outfall was 20% submerged and upstream wasn't active
R49-OUT1	CMP	12"	South of Harvest Court	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/2/2020	6/26/2020	0.14	Υ	8.3	0	0.25	0	0	N	N	N	N	N	<1 ft/s	<1 in	TDS: 232 ppm
R51-OUT1	СМР	30"	Waldo Bridge over Manitowoc River, East Side	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/2/2020	6/26/2020	0.14	N		-											Pipe looked good
R55-OUT1	CONC	30"	N. Rapids Road Pond Outflow	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/2/2020	- 6/26/2020	0.14	N													Stagnant water at outfall but not submerged
R57-OUT1	СМР	21"	S. of River Heights Dr. S. of Lift Station	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/2/2020	6/26/2020	0.14	Υ	8.2	0	0	0	0	N	N	N	N	N	1 ft/s	<1 in	TDS: 256 ppm
R5-OUT1	СМР	. 21"	N.7th Street Extended	Manitowoc River	Josh Jirikowic, Dylan Urbanek	8/5/2020	8 <i>r</i> 3/2020	0.35	N									`				
R67-OUT1	RCP	24"	MICHIGAN AVE BETWEEN MANITOU PARK AND RAHR FARM (ACCESS FROM MANITOU PARK	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/2/2020	6/26/2020	0.14	N													Outfall is submerged, manhole wasn't active
R69-OUT1	CONC	24"	WALKWAY ALONG THE RIVER) WEST SIDE OF N RAPIDS ROAD SOUTH OF WILDWOOD DRIVE	Manitowoc River	Josh Jirikowic, Dylan Urbanek	6/26/2020	6/26/2020	0.14	N	1 1							<u> </u>					Spillway of pipe is broken
R69-OUT2	CMP	12"	WEST SIDE OF N KAPIDS KOAD APPOX HALF WAY BETWEEN WALDO BLVD AND WILDWOOD	Manitowoc River	Josh Jirikowic,	6/29/2020	6/26/2020	0.14	N	1 1						,		-				
R69-OUT3	RCP	24"	WEST SIDE OF N RAPIDS ROAD N OF WALDO BLVD	Manitowoc River	Josh Jirikowic, Dylan Urbanek	6/29/2020	6/26/2020	0.14	N -												·	Lots of grass and weeds at entrance of outfall
R6-OUT1	RCP	30"	Southeast corner of 8th Street Bridge	Manitowoc River	Josh Jirikowic, Dylan Urbanek	6/19/2020	6/12/2020	0.02	N			-					-	-				Submerged. 3rd manhole upstream had insufficient flow
		1	· · · · · · · · · · · · · · · · · · ·	I	- Dylan Olbanek		1	1				ļ				1	1			l		The state of the s

## 2020 Outfall Monitoring

R7-OUT1	RCP	30" x 30"	East of N.8th Street beidge, North side of the river		Josh Jirikowic, Dylan Urbanek	7/29/2020	7/27/2020	1.58	N					Submerged, manhole had no flow
R8-OUT1	СМР	12"	SW of 8th Street Bridge Municipal Parking		Josh Jirikowic, Dylan Urbanek	8/5/2020	8/3/2020	0.35	Z					Submerged, manhole had no flow
R9-OUT1	CMP	30"	McMullen & Pitz Property	Manitowoo River	Josh Jirikowic, Dylan Urbanek	7/29/2020	7/27/2020	1.58	N		4			Submerged, manhole had no flow
R50-OUT1	CONC	30"	Southeast side of Rapids Road Bridge	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/2/2020	6/26/2020	0.14	N					It was active but not sufficient enough to sample
R61-OUT1	СМР	24"	West of Waldo Bridge	Manitowoc River	Josh Jirikowic, Dylan Urbanek	7/2/2020	6/26/2020	0.14	N					1" thick layer of sediment deposited at end of outfall

3

# **Attachment D**

2020	Construction	Site Permits
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No.	Permit	Owner	Location	On-Site SWM	Agreement	Last Inspected	Notes
1	20-1	Lakeshore Mini Storage	2424 Johnston Drive	Mechanical separator	14-03	9/7/2020	closed
2	20-2	East Point Rentals, Mike Howe	1013 Viebahn Street	NA NA	NA		
3	20-3	Jiffy Lube	4656 Calumet Ave	NA NA	NA	10/16/2020	
4	20-4	WPS gas	Bayshore Drive	NA NA	NA		closed
5	20-5	Painting Pathways	1226 Washington Street	NA	NA	12/8/2020	closed
6	20-6	Total services Development	3049 Ramada Way	NA NA	NA		closed
7	20-7	WPS gas	Mirro Drive	NA NA	NA		closed
8	20-8	City of Manitowoc, Quassius Construction	Citizens Park	NA	NA		
9	20-9	Rivers Edge Apartments	Bayshore Drive	Wet Pond	20-01	12/23/2020	
10	20-10	Baycare Clinic	Bayshore Drive	Wet Pond	20-01	11/16/2020	
11	20-12	Lakebreeze Apts, Gary Drzewiecki	2483 Portside lane	Wet Pond	14-01		
12	20-13	Doner, Menasha watermain	Menasha St	NA NA	NA		Closed
13	20-14	Premium Laminations	4110 Clipper Drive	NA			
14	20-15	The Warf	606 Quay St	NA NA	NA		
15	19-20	Zimmer Investments	2131 Zimmer Dr	NA NA	NA		Closed
16	19-21	Yauger Private Storage	Conro St	NA	NA	7/2/2020	Closed
17	19-16	Lakeside Foods	1601 S 30th St			8/29/2020	closed
18	19-5	Apex Leasing	l Tec Drive			6/10/2020	closed
19	19-3	Meijer Store	Meijer Drive			7/2/2020	closed
20	19-2	Forest Creek apts	S 42nd St			11/25/2020	closed
21	18-13	Angelus CBRF	200 E Waldo	Wet Pond	NA	9/16/2020	closed
22	18-22	Redline Plastic	S 59th Street			9/15/2020	closed
23	dnr20-1	City of Manitowoc	Crescent Drive	NA	NA	6/1/2020	closed
24	DNR20-2	City of Manitowoc	Bay shore Drive	Wet Pond	NA	8/31/2020	closed
25							
26							
27					<u> </u>		
28							

# **Attachment E**

### **Storm water BMP Facilities**

### Wet Ponds

Facility ID	Name/Location	Inspection Year	Notes	Action Taken
95-01	Dufek Drive Pond	2020	yearly Herbicide of invasive and woody vegetation	City inspected and did sediment depth checks in Spring, McMahon Spot Herbicide & Professional assessment(Nov) Trapper Dan trapped musk rats(Nov), County brush mowed
04-02	Vits Drive Pond	2020	yearly Herbicide of invasive and woody vegetation	City inspected and did sediment depth checks in Spring, McMahon Spot Herbicide & Professional assessment(Nov) Trapper Dan trapped musk rats(Nov) County brush mowed.
07-07	Fessler Drive Pond	2020	yearly Herbicide of invasive and woody vegetation	City inspected and did sediment depth checks in Spring, McMahon Spot Herbicide & Professional assessment(Nov) Trapper Dan trapped musk rats(Nov) County brush mowed.
09-01	N Rapids Road Pond	2020	yearly Herbicide of invasive and woody vegetation	City inspected and did sediment depth checks in Spring, McMahon Spot Herbicide & Professional assessment(Nov) Trapper Dan trapped musk rats(Nov)
09-02	Clay Pit Road Pond	2020	yearly Herbicide of invasive and woody vegetation	City inspected and did sediment depth checks in Spring, McMahon Spot Herbicide & Professional assessment(Nov) Trapper Dan trapped musk rats(Nov)
09-03	S 30th Street Pond	2020	Prairie management with prescribed burns as needed	City inspected and did sediment depth checks in spring, McMahon Spot Herbicide & Professional assessment(Nov) Trapper Dan trapped musk rats(April & November)
10-01	S 10th Street Pond	2020	Prairie management with prescribed burns as needed Outfall needs to be modified to reduce clogging	City inspected and did sediment depth checks in spring, McMahon Spot Herbicide & Professional assessment(Nov) Trapper Dan trapped musk rats(April & November)
10-02	S 41st Street Pond	2020	yearly Herbicide of invasive and woody vegetation	City inspected and did sediment depth checks in Spring, McMahon Spot Herbicide & Professional assessment(Nov) Trapper Dan trapped musk rats(Nov)
13-01	Dewey Street Pond	2020	Prairie management with prescribed burn as needed	City inspected and did sediment depth checks in spring, McMahon Spot Herbicide & Professional assessment(Nov) Trapper Dan trapped musk rats(April & November)
	Deerbrook Ln	2020	Council approved the City to maintain the private pond maintenance.	City inspected and did sediment depth checks in Spring, McMahon Spot Herbicide & Professional assessment(Nov) Trapper Dan trapped musk rats(Nov)

### **Infiltration Basins**

Facility ID	Name/Location	Inspection Year	Notes	Action Taken
09-06	Senior Center east and west basin	2020	West basin replanted and new engineered soil mix in 2016 Buildings and grounds weeded in spring both basin	Lakeshore Cleaners removed existing wood chips, added new 4" think wood chips and planted some new plants in spring of 2020. McMahon spot herbicide once in fall. Engineering pulled weeds
13-05	Red Arrow Park	2020	infiltration basin and sand dunes	McMahon Spot Herbicide & Professional assessment once in fall
17-06	Blue Rail infiltration basin	2020	Native plants with wood chips	Lakeshore Cleaners removed existing wood chips, added new 4" think wood chips and planted some new plants in spring of 2020. McMahon spot herbicide once in fall. Engineering pulled weeds

## **Proprietary Devices**

Facility ID	Name/Location	Inspection Year	Notes	Action Taken
08-05	Packer Lane CDS	2020	Needs to be cleaned/Scheduled for January 2021	Cleaned 4/01/2020
17-07	Blue Rail CDS	2020	just put on line in 2017	inspected 4/01/2020
11-01	DPW Nutrient separator	2020		Cleaned 04/02/2020

# **Attachment F**

## 2020 Pollution Prevention

The City completed their Pollution Prevention Program and individual Storm Water Pollution Prevention Plans for the Department of Public Works Service Building and Parks Maintenance Facility in October of 2008. The SWPPP's were revised in April 2015 by AECOM and again in 2020 by the City of Manitowoc. (plans can be found at <a href="http://www.manitowoc.org/stormwater/pollution\_prevention">http://www.manitowoc.org/stormwater/pollution\_prevention</a>). The City implemented these programs in April 2009. Therefore, the following is a summary of the recommendations and measureable goals for these programs in 2020.

### POLLUTION PREVENTION PROGRAM (AECOM, October 2008):

Section 1.0 - Municipal Storm Water Facilites Inspection and Maintenance Measureable Goals

1. Inspect all city owned wet detention facilities 2 times per year.

The City has a total of 9 wet detention ponds, 4 infiltration basins and 3 Proprietary devices.

\*\*MEASUREABLE GOAL\*\*: Each City-owned detention pond or infiltration basin was inspected multiple times by city staff in 2020. All 9 ponds have been inspected by an ecologist hired by the the city for prairie Management and invasive speices. The City trapper also visits all 9 ponds regularly and he has performed an inspection of each pond.

### See the City of Manitowoc Facility Maintenance Program for details

- 2. Implement catch basin inspection and cleaning program by 2009. Quantify number of catch basins cleaned and amount of debris removed.
  - \*\*MEASUREABLE GOAL\*\*: 485 Catch Basins and/or Catch Basin Manholes were inspected and/or cleaned \*\*MEASUREABLE GOAL\*\*: 106 CY of Material Removed from Catch Basins asuming each sump was 2/3 full.
- 3. Document the linear footage of ditches maintained and linear footage of storm sewers cleaned based on data collected.

The City maintains and cleans ditches and storm sewer on an as needed bases, mostly due to obstructions. The City also televises storm sewer on regular basis.

\*\*MEASURABLE GOAL\*\*: 108,375 feet of Ditches Maintained

\*\*MEASURABLE GOAL\*\*: 21,747 feet of Storm Sewer was Televised in 2020

Section 2.0 - Street Sweeping and Catch Basin Cleaning Measurable Goals

#### Street Sweeping:

1. Purchase two (2) high efficiency street sweepers

DONE: The City purchased two high-efficiency vaccum sweepers (Elgin Whirlwind) in late fall of 2008

2. Implement parking controls to be effective in April 2009

DONE: The City implemented a street sweeping parking ban effective April 21, 2009. In 2015 the city extended the parking ban to aid in Fall leaf pick up.

The City activitively enforced the street sweeping parking ban in 2020.

- \*\*MEASUREABLE GOAL\*\*: A total of 2,477 parking tickets were issued and over 2,294 parking violation warnings were handed out.
- 3. Implement new street sweeper routes based on parking control plan

DONE: The City developed street sweeper districts in coordination with the implementation of the parking ban, five (5) districts on the north side and five (5) on the south side.

- 4. Continue current street sweeping frequency and document miles swept and amount of debris removed.
  - \*\*MEASUREABLE GOAL\*\*: The entire City is swept on a weekly basis from April 1 to December 2nd, conditions permitting.

\*\*MEASUREABLE GOAL\*\*: 13,064 miles of street was swept by the sweepers

\*\*MEASUREABLE GOAL\*\*: 704.39 tons of material was removed by the sweepers and by

Catch Basin Cleaning:

- 1. Add future catch basins to mapping
  - \*\*MEASUREABLE GOAL\*\*: 239 new catch basins have been added to our mapping in 2020.
- 2. Implement catch basin cleaning program document number of catch basins cleaned and amount of material removed.

Repeated from above:

- \*\*MEASUREABLE GOAL\*\*: 485 Catch Basins and/or Catch Basin Manholes were inspected and/or cleaned Estimated 6500 inlets cleaned and inspected.
- \*\*MEASUREABLE GOAL\*\*: 106 CY of Material Removed from Catch Basins assuming each sump was 2/3 full.

NOTE: As part of new and reconstruction projects, the City is replacing existing inlets with catch basins when feasible.

Section 3.0 - Street Sweeping and Catch Basin Cleaning Disposal

1. Initiate disposal of street sweeping and catch basin cleanings in a licensed landfill in 2009 unless alternative methods are allowable.

\*\*MEASUREABLE GOAL\*\*: All material removed by the street sweepers in 2020 was hauled to Waste Managements, Ridgeview Landfill in Whitelaw, WI

2. Document amount of material removed.

\*\*MEASUREABLE GOAL\*\*: 704.39 tons of material was landfilled

Section 4.0 - Road Salt Application and Snow Disposal

1. Document the amount of salt and other de-icing agents used.

\*\*MEASUREABLE GOAL\*\*: 1,190 tons of salt, 26 tons of Treated sand, 0 gallons of liquid dow, 0 gallons of beat juice geo melt, and 9,257 gallons of brine were used in 2020

MONTH	SALT	BRINE	BEAT/GEO	LD	TS
1	497.29	3387	0	0	0.00
2	355.63	3437	0	0	0.00
3	88.10	848	0	0	0.00
4	3.66	0	0	0	0.00
11	0.00		0	0	0.00
12	245.35	1585	0	0	26.07
TOTALS	1190.03	9257	0	0	26.07
	TON	GAL	GAL	GAL	TON

Section 5.0 - Collection and Disposal of Leaves and Grass Clippings

The City of Manitowoc picks up leaves, garden waste and brush in the spring. Material is to be piled in the terrace and is picked up once every spring. Fall pick up of leaves is completed once per week. Piles of leaves are to be piled in the terrace until the day before pick up at which time they need to be place in the parking lane of the street. If no parking lane exists then the leaves are to remain in the terrace for pick up. The street sweeper follows the pick up crew and a mechanical sweeper is utilized to help. Parking bans have also been implemented to aid in fall leaf pick up efficency.

1. Document the amout of leaves and other materials collected/recycled.

\*\*MEASUREABLE GOAL\*\*: 8,343 cubic yards.

Section 6.0 - Municipal Storm Water Pollution Prevention Planning

DPW SERVICE BUILDING STORM WATER POLLUTION PREVENTION PLAN(SWPPP) (AECOM, October 2008) (AECOM update April 2015)(City update of AECOM report in 2020):

**Exisiting and Recommended Control Measures:** 

- 1. Fuel Islands The City retrofited the two (2) existing inlets into catch basins in the fall of 2011. Spill kits have been pruchased for the fuel islands
- Outdoor Vehicle Washing Area A nutrient separating device has been installed in 2012 to treat the outdoor washing area water.
- 3. Runoff Erosion This was addressed with the installation of the nutrient separating device.
- 4. Outdoor Storage Piles The outdoor aggregrate storage piles have been separated. minimal runoff was noted from these piles in 2020.
- 5. Runoff Erosion: This was addressed with the installation off new perferated pipe in fall of 2015.
- 6. Quarterly Inspections For 2020 quarterly inspections, contact Operations Division Manager, Billy Hutterer at <a href="mailtowoc.org"><u>bhutterer@manitowoc.org</u></a> or (920) 686-6518.

## PARKS MAINTENANCE FACILITY STORM WATER POLLUTION PREVENTION PLAN(SWPPP) (AECOM, October 2008) (AECOM update April 2015) (City update of AECOM report in 2020):

**Exisiting and Recommended Control Measures:** 

- 1. Fuel Island -. Spill kits have been pruchased for the fuel islands
- 2. Outdoor Wash Area- Compost Filter socks have been placed downstream of wash area. Washing is done inside when possible.
- Outdoor stock piles three sided bays and tarps have been place on most of the stock piles. Concrete blocks have been ordered for the rest.
- 4. Snow Disposal Area Was in compliance for the winter of 2020.
- 5. Quarterly Inspections For 2020 quarterly inspections, contact Parks and Recreation Division Manager, Curtis Hall at <a href="mailto:chall@manitowoc.org">chall@manitowoc.org</a> or (920) 686-3061.

### Section 7.0 - Municipal Application of Lawn and Garden Fertilizers

Currently the City does not apply fertilizers to areas greater than five acres.

### Section 8.0 - Education of Municipal Staff

1. Include an educational component for appropriate staff relative to their area of work.

City staff attended multiple erosion control and storm water management training workshops and conferences (FWWA Conference and other webinars). Also 38 City staff and seasonal workers watched an Excal Visual Stormwater DVD on Pollution Prevention. As a result of covid some snow plow training was canceled but is planned for 2021.

Section 9.0 - Measures to reduce storm water contamination within source water protection areas.

The City has contacted MPU, and determined a well head protection plan exists with the Utilites. The City has also received coordinates of the 2 remaining wells and placed them on the GIS system.

# **Attachment G**

## City of Manitowoc 2020 Budget Summary

4 5 111 5 1	<i>.</i> .							2021 Pr	·
1 Public Educatio									300
		vement		lucation					
Work order #	expens	<del></del> -		ect Manage	<u>ement</u>				500
930	\$	1,273.87	\$	850.00	T 1		2 422 07	_	1500
					Total	\$	2,123.87	\$	3,300.00
2 IDD& E	_								0. 0.500
Work order #	Expens			ect Manage	ement				OA 2,500
942	\$	1,416.29	\$	652.80					
932	\$	1,659.28			Total	,	2 720 27	\$	4,000.00
3 Construction Si	no Dellui	ant Control			Total	\$	3,728.37	<del>                                     </del>	4,000.00
Work order #	Expens		Proi	ect Manage	ment				
933	\$	1,696.42	110	ect Manage	mene				
934	\$	2,550.88	Pov	enue	\$ (2,412.50	٦١	expense		
<b>534</b>	Ş	2,330.00	Kevi	enue	Total	5) \$	1,834.80	\$	5,000.00
4 Post Construction	on SWM	<u> </u>			Total		1,054.00	-  <del></del>	3,000.00
Work order #	Expens		Proi	ect Manage	ement				
920 S 41st	\$	<u>e</u> 41.43	\$	4,682.27					
921 S 30th	\$	41.43	\$	526.50					
922 S 10th	\$	119.81	\$	502.25					
923 Rapids	\$	-	\$	-					
924 Clay Pit	\$	- -	\$						
925 Dewey		41.43	\$	570.75					
927 Dewey 927 Dufek	\$	41.43		3/0./3					
	\$		\$ \$	-					
928 Vits	\$	41.43		-					
929 Fessler 934	\$	41.43	\$ \$	1 002 00					
934 944	\$	2,298.44		1,962.00					
	\$	54.97	\$	-					
1113 Blue Rail 1114 Red Arrow	\$	-	\$ \$	362.50					
1114 Red Arrow	\$	- 34.31	Þ	302.30					
	\$						₹.		
1133	\$	22.88			Davianus	,	foo in luc		
1134	\$	137.24			Revenue	\$	- fee in lue		
1136	\$ ¢	22.88							
1135	\$ ¢	45.76	<b>.</b>						
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1138	*	22.88	Þ	1000					2.000
1140 1141	\$	45.74 68.63		1060					3,000
	\$	68.62	<b>^</b>	0.000.27					27.000
sub total	\$	3,156.42	\$	8,606.27	Total	ė	11 762 60	\$	27,000 30,000.00
5 Pollution Preve					Total	\$	11,762.69	<del>- </del>	30,000.00
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722,723,748&749 719		74,337.33							
719 721	\$ e	/4,33/.33 -							
	\$ ¢	- 535.70							
745	\$	535.70							
747									
747 935	\$ \$	- 2,479.60							

6 SWQM									
Work order #	Expense		<u>Pro</u> j	ject Management					8,800
936	\$	430.87	\$	4,017.74					
939	\$	298.30	\$	7,517.11					
946	\$	-	\$	955.00					
949	\$	233.80							
				Total	\$	13,452.82		\$	8,800.00
7 MAP					•	·		1	•
Work order #	Expense		Proj	ject Management					
937	\$	-							
947	\$	-		Total	\$	-			300
8 Other									
Work order #	Expense		Proj	ject Management					
938	\$	4,336.68							
				Total	\$	4,336.68		\$	8,000.00
TOTAL	\$	600,732.33 <b>TOTAL</b>	\$	74,157.16			TOTAL	\$	699,400.00

TOTAL \$ 669,320.57

# **Attachment H**

