



# City of Waupun

201 E. Main Street  
WAUPUN, WISCONSIN 53963  
Phone: 920-324-7900  
Fax: 920-324-7939

*"Wild Goose Center of Wisconsin"*

March 7, 2017

A meeting of the Board of Public Works is scheduled for **Tuesday, March 14, 2017**, at **4:30** p.m. in the Waupun City Hall, **Council Chambers**.

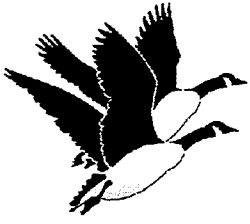
## AGENDA

- 1) Call to Order
- 2) Roll Call
- 3) Approve minutes of the February 14, 2017 regular meeting.
- 4) Discuss MS4 Annual Report.
- 5) Discuss Storm Water audit.
- 6) Discuss Spring Yard Waste Pickup Schedule.
  - a) April 17 – May 5 (weather permitting)
- 7) Discuss / Approve temporary no parking request on the south side of Monroe Street on July 2, 2017 for the car show that is part of Celebrate Waupun.
- 8) Public Comments
- 9) Adjournment

Jeff Daane  
Public Works Director

cc: Mayor & Common Council  
City Attorney  
Department Heads  
Media

*Please note that, upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through appropriate aids and service. For additional information or to request this service, contact Angela Hull, City Clerk, at 324-7900.*



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## Waupun Board of Public Works DRAFT Minutes of Regular Meeting – February 14, 2017

The Waupun Board of Public Works met in regular session on Tuesday, February 14, 2017 in the Common Council Chambers at the Waupun City Hall located at 201 E. Main Street, Waupun.

Mayor Nickel is present.

Audience present Dennis Patrouille.

Chairman Johnson called meeting to order at 4:30pm.

Members present at roll call are Alderman Johnson, Alderman Kaczmariski, Public Works Director Daane, City Clerk Hull, and Police Lieutenant Pfalzgraf. Alderman Matoushek Jr. is absent and excused.

Motion Kaczmariski, second by Daane to approve the minutes from the January 10, 2017 meeting of the Board of Public Works. Motion carried 5-0.

Waupun Food Pantry is requesting designated parking stalls in the senior center parking lot due to the Waupun Taxi no longer parking there. One stall for the food pantry van and the other for the manager.

Motion Hull, second Johnson to approve one parking stall in the south west corner of the City parking lot across from the food pantry for the food pantry van contingent upon the approval of the Police Chief and permits required are issued. Signage for the parking stall to be paid by the food pantry. Motion carried 5-0.

Trash and recycling pick up guides are provided. Electronic recycling provided by Legacy Recycling, for Waupun residents will be on April 11 and 12, 2017 from 10a-3p at the City Garage.

Due to Main Street construction, no parking signs were placed. An ordinance was provided to reflect the no parking on Main Street.

Motion Daane, second Johnson to recommend to the Committee of the Whole to approve the Ordinance to amend Chapter 6.05(3) (e) entitled Traffic Code- Parking Limitations- Restricted Parking Anytime – No Parking. Motion carried 5-0 on roll call.

2017 Equipment rates are provided for consideration.

Motion Daane, second Johnson to approve the 2017 Equipment Rates. Motion carried.

The five year street maintenance plan is provided. Daane intends to apply for grants as allowed. This street plan is subject to change due to future occurrences and events.

Motion Hull, second Daane to approve the 5 year Street Maintenance Plan. Motion carried 4-1 on roll call with Kaczmarski voting nay.

No public comments are heard.

Motion Kaczmarski, second Pfalzgraf to duly call the meeting adjourned at 5:03pm. Motion carried 5-0.

Angela Hull, City Clerk

Due by March 31, 2017

**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 (DNR) by March 31 of each year to report on activities for the previous calendar year. This form is being provided by the DNR for the user's convenience. 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.].

This form is for reporting on activities undertaken in calendar year 2016.

**Instructions:** Complete each section of the form. If additional space is needed, attach additional pages. Provide descriptions that explain the program actions taken to comply with the general permit. Complete and submit the annual report by March 31, 2017, to the appropriate address indicated on the last page of this form.

Part I. Municipal Information			
Name of Municipality City of Waupun		Facility ID No. (FIN) 31437	
Mailing Address 201 E Main St	City Waupun	State WI	ZIP Code 53963
County(s) in which Municipality is located Dodge / Fond du Lac	Municipality Type: (select one) <input type="radio"/> County <input checked="" type="radio"/> City <input type="radio"/> Village <input type="radio"/> Town <input type="radio"/> Other (specify)		

Part II. Municipal Contact Information			
Name of Municipal Contact Person Jeff Daane		Title Director of Public Works	
Mailing Address (if different from above)	City	State WI	ZIP Code
Email jeff@cityofwaupun.org	Phone Number (include area code) (920) 324-7918	Fax Number (include area code) (920) 324-7939	
Has the contact person changed in the last year? <input checked="" type="radio"/> Yes <input type="radio"/> No			

Part III. Certification			
<p><i>I hereby certify that I am an authorized representative of the municipality covered under MS4 General Permit No. WI-S050075-2 for which this annual report is being submitted and that the information contained in this document and all attachments were gathered and prepared under my direction or supervision. Based on my inquiry of the person or persons under my direction or supervision involved in the preparation of this document, to the best of my knowledge, the information is true, accurate, and complete. I further certify that the municipality's governing body or delegated representatives have reviewed or been apprised of the contents of this annual report. I understand that Wisconsin law provides severe penalties for submitting false information.</i></p>			
Authorized Representative Printed Name Jeff Daane		Authorized Representative Title Director of Public Works	
Signature of Authorized Representative		Date	
Email jeff@cityofwaupun.org	Phone Number (include area code) (920) 324-7918	Fax Number (include area code) (920) 324-7939	

Part IV. General Information			
<p>a. Describe the municipality's efforts to invite the municipal governing body, interest groups, and general public to review and comment on the annual report.</p> <p>This is the City of Waupun's tenth annual report under the MS4 General Permit requirements. The report was presented as an agenda item at the Board of Public Works meeting held on February 14, 2017. The agenda was posted on the City's meeting calendar at <a href="http://www.cityofwaupun.org">www.cityofwaupun.org</a>, on the notice board at City Hall, and was sent to the Fond du Lac Reporter and Daily Citizen newspapers. The Board of Public Works meeting was properly noticed under Wisconsin requirements, and the public was invited to attend the meeting and offer comments or questions. The Board of Public Works is made up of 3 Council members and 3 City staff, of whom _____ were in attendance. _____ were also in attendance. The Annual Report was also placed on the City website at <a href="http://www.cityofwaupun.org">www.cityofwaupun.org</a></p>			
<p>b. Describe how the municipality has kept elected and municipal officials and appropriate staff (such as operators, department heads, and those that interact with the public) informed of the municipal storm water discharge permit and its requirements.</p> <p>In 2008, the City of Waupun joined the Northeast Wisconsin Consortium (NEWSC) organization. In 2014 the City of Waupun elected to be members of the Rock River Stormwater Group as it is more related to our location. In 2016, the former Director of Public Works attended the following workshops:                  League of Wisconsin Municipalities October 19th – 21st, 2016:</p> <ol style="list-style-type: none"> <li>1. More Affordable Approaches to Phosphorus Compliance</li> <li>2. The Next Generation of Storm Water Planning: Forecasting TMDL and Storm System Needs through New</li> </ol>			

**Part IV. General Information (continued)**

**Technologies & Strategies**

APWA November 2nd-4th, 2016:

1. Impact of Salt on Groundwater
2. Janesville's Stormwater Management Approach and Its Impact on NR 151 and TMDL

c. Has the municipality prepared or updated its own municipal-wide storm water management plan during the reporting year?  Yes  No

If yes, provide the title and date of storm water management plan and list any updates:

If yes, has the information been submitted to the Department?  Yes  No

d. During the reporting year, has the municipality entered into a written agreement with another municipality or a contract with another entity to perform one or more of the conditions as provided under section 2.10 of the general permit?  Yes  No

If yes, describe these cooperative efforts:

The City of Waupun is a paying member of the Rock River Stormwater Group. The Rock River Stormwater group is providing guidance on information and education activities for the MS4 permit compliant purposes.

If yes, has the information been submitted to the Department?  Yes  No

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

If yes, provide web address:

<http://www.cityofwaupun.org/1654/custom/23975>

**Part V. Evaluation of Permit Conditions (Section 2 of General Permit)**

**Minimum Control Measures:** For each of the permit conditions listed below, provide an evaluation of program compliance with the general permit.

1. Public Education and Outreach (Section 2.1 of General Permit)

Description of Program(s)	1. The Director of Public Works is a member of the Rock River Storm Water Group. 2. Use website to educate and promote stormwater program. 3. Distribute Educational Materials. 4. Publish meeting minutes, permits and events. 5. Install signs at outfalls to educate about stormwater pollution.
Measurable Goal(s)	The community newsletter is distributed to over 500 residents/business owners as well as posted on the City website. City Hall has on average 100 visitors per month that could have viewed the grass clippings poster.
Result(s) Achieved	Not measured.
Describe any planned changes to program.	None

2. Public Involvement and Participation (Section 2.2 of General Permit)

Description of Program(s)	Hold public hearing on stormwater program. Class from the Waupun Highschool stenciled storm drains.
Measurable Goal(s)	The meeting noticed was published in the Daily Citizen.
Result(s) Achieved	There were           city residents that attended the meeting. There were 55 storm drains that were stenciled by 4 students.
Describe any planned changes to program.	None

3. Illicit Discharge Detection and Elimination (Section 2.3 of General Permit)

**Part V. Evaluation of Permit Conditions** (continued)

Description of Program(s)	1. Illicit Discharge Ordinance adopted on February 10, 2009 2. City has information on website on how a citizen can report an observed spill or discharge to the storm sewer system. 3. The City televised and cleaned Section D of the municipal storm water system in 2016 (See Attachment A) 4. Outfall Monitoring
Measurable Goal(s)	Repair inlets, manholes, and pipes that show defects.
Result(s) Achieved	Not measured
Describe any planned changes to program.	None

4. Construction Site Pollutant Control (Section 2.4 of General Permit)

Description of Program(s)	1. Erosion Control Ordinance adopted on February 8, 2005.
Measurable Goal(s)	17 Sites were active. Erosion control signs were placed at construction sites of commercial properties and residential properties.
Result(s) Achieved	None
Describe any planned changes to program.	None

5. Post-Construction Storm Water Management (Section 2.5 of General Permit)

Description of Program(s)	There was 1 site plan reviewed by MSA for stormwater compliance.
Measurable Goal(s)	None
Result(s) Achieved	Site was constructed to comply with all measures of stormwater compliance.
Describe any planned changes to program.	None

6. Pollution Prevention (Section 2.6 of General Permit)

Description of Program(s)	1. Stormwater Pond Inspections 2. Stormwater Plan Updates 3. Street sweeping and Catch Basin Cleaning 4. Winter Road Ice Management 5. Municipal Lawn Care
Measurable Goal(s)	Fix items found during pond inspections.
Result(s) Achieved	Not measured
Describe any planned changes to program.	None

• Storm Water Management Facilities (Section 2.6.1 of General Permit)

List any new municipality owned or operated structural storm water management facilities (ponds, biofilters, etc.) added in the last year.  
 None

**Part V. Evaluation of Permit Conditions (continued)**

- Routine Inspection and Maintenance (Section 2.6.2 – 2.6.4 of General Permit)

Does the municipality have an inspection and maintenance program for installed structural storm water management facilities?

Yes  No

Describe the inspection and maintenance program and any activities that have occurred for structural storm water management facilities in 2016. If available, attach any additional information on the inspection and maintenance program. The City of Waupun maintains 4 storm water ponds throughout the City. Annual inspections are done on the ponds. See Attachment B.

Describe the street sweeping and catch basin cleaning efforts, and the disposal of waste. The city owns a Elgin Whirlwind street sweeper. In the spring when weather permits, the street sweeper sweeps the entire city until one complete round has been completed. Currently all city streets are cleaned once every two weeks between April and November (annual start and stop times are weather dependent). Materials are disposed on the City property near the city's public works yard. The material deposit site is cleaned for blowing trash every two weeks. Some of the city storm sewers do have catch basins with sumps. Debris that does collect in the inlets is cleaned out annually, if possible, with a vac-truck; and then the pipes are jetted.

- Winter Road Management Activities (Section 2.6.5 of General Permit)

Provide the name, title, and phone number of the individual(s) with overall responsibility for winter roadway maintenance. Jeff Daane, Director of Public Works, (920) 324-7918

Describe the types of products used for winter road management (e.g. deicing, pre-wetting, salting, etc.). Calcuim Chloride (Liquid and solid state) and Salt Brine

Report the amount of product used by month over the last winter season (approx. November 2015 through April 2016). See Attachment C

Report the snow disposal locations, if applicable. 903 N. Madison St., Waupun, WI 53963

Describe anti-icing, equipment calibration, and salt reduction strategies. See Attachment C

Describe any other additional data or information used to evaluate the winter road management activities.

None

- Leaf Management (Section 2.6.6 of General Permit)

Describe the management of leaves and grass clippings. The City does a spring and fall curbside yard waste pick-up. This includes leaves, grass clipping, garden debris, and branches. The materials are picked up using two Giant Vac - Leaf Vacuum trailers. We also operate a yard waste dumping site at 903 N. Madison St. where residents can bring yard waste including leaves, grass clippings, garden materials, tree branches, etc. to as needed. This site is open 24 hours a day 7 days a week. The materials that are brought to this site are then turned into compost for the city's use as well as being provided to city residents.

- Municipal Pollution Prevention (Section 2.6.7 of General Permit)

**Part V. Evaluation of Permit Conditions (continued)**

Provide the location (street address) of each facility (municipal yards and/or maintenance facilities) and contact information (name, title, and phone number) for the individual(s) with overall responsibility for each facility.  
903 N. Madison St., Jeff Daane, Director of Public Works, (920) 324-7918.

Map(s) included?  Yes  No - Include a map of each facility, drawn to scale and include the following features:  

- Location of major activities and storage areas
- Identification of drainage patterns, potential sources of storm contamination and discharge points.
- Identification of nearby receiving waters or wetlands
- Identification of connections to the permittees's MS4

Describe the housekeeping activities and best management practices installed at municipal yards and/or maintenance facilities to reduce or eliminate storm water contamination.  
Tire storage, oil container - Advanced Disposal picks this up on a weekly or bi-weekly basis. Brush / compost drop off, cleaning vehicles in designated location, storing equipment outside. Most of our equipment is stored in contained buildings. Salt storage is all in contained buildings.

Discuss recommendations for improvements to current storm water management practices at the facility(s) and provide a timeline for installation and/or implementation of these recommendations.  
The City recently received a grant from the DNR for a storm water study and planning. We are in the beginning stages of this process and have not received any recommendations from the study yet.

Provide information on facility inspections. Identify and address potential sources of storm water contamination.  
No inspections were completed in 2016.

Describe the municipal facility(s) employee training on storm water pollution prevention (frequency, duration, objectives, percentage of employees trained this year, etc.).  
No training was completed in 2016.

Describe the spill prevention and response procedures in place at the municipal facility(s).  
There are some absorbants at the garage in case of a spill.

7. Storm Water Quality Management (Section 2.7 of General Permit)

Has the municipality completed a pollutant-loading analysis to assess compliance with the 20% TSS reduction developed urban area performance standard?  Yes  No  
If yes, provide the following: Model used WinSLAM Version 9.4 Reduction (%) 29.5  
If no, include a description of any actions the municipality has undertaken during 2016 to help achieve the 20% standard.

8. Storm Sewer System Map (Section 2.8 of General Permit)

Describe any changes or updates to the storm sewer system map made in the reporting year. Provide an updated map if any changes occurred during the reporting year.  
The City televised section D of our storm sewer map in 2016, during the inspections some errors were found with our mapping system. Those changes have been updated. See Attachment D.



**Part VI. Fiscal Analysis**

a. Provide a fiscal analysis that includes the annual expenditures for 2016, and the budget for 2016 and 2017. A table to document fiscal information is provided on page 8.

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

Storm water utility    General fund    Other \_\_\_\_\_

c. Is adequate revenue generated to implement the storm water management program and meet permit requirements?

Yes    No

Please provide a brief summary of the municipality's financing/fiscal strategy and any additional information that will assist the Department in understanding how storm water management funds are being generated to implement and administer the storm water management program.

In 2012, the Common Council approved to increase the Stormwater Utility fee from \$3.00 per ERU to \$8.00 per ERU due to the City not collecting enough money to cover annual expenditures in the previous years.

**Part VII. Inspections and Enforcement Actions**

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

a. Has the municipality amended its illicit discharge detection and elimination ordinance in accordance with subsection 2.3.1 of the general permit during the reporting year?

Yes    No

If yes, attach copy or provide web link to ordinance:

b. Has the municipality amended its construction site pollutant control ordinance in accordance with subsection 2.4.1 of the general permit during the reporting year?

Yes    No

If yes, attach copy or provide web link to ordinance:

c. Has the municipality amended its post-construction storm water management ordinance in accordance with subsection 2.5.1 of the general permit during the reporting year?

Yes    No

If yes, attach copy or provide web link to ordinance:

d. Has the municipality adopted any other ordinances it has deemed necessary to implement a program under the general permit (e.g., pet waste ordinance, leaf management/yard waste ordinance, parking restrictions for street cleaning, etc.) during the reporting year?

Yes    No

If yes, attach copy or provide web link to ordinance:

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

None

**Part VIII. Water Quality Concerns**

a. Does any part of the MS4 discharge to an outstanding resource water (ORW) or exceptional resource water (ERW) listed under s. NR 102.10 or 102.11, Wis. Adm. Code? (A list of ORWs and ERWs may be found on the Department's Internet site at:

<http://dnr.wi.gov/topic/surfacewater/orwerw.html>)

Yes    No

If yes, list:

b. Does any part of the MS4 discharge to an impaired waterbody listed in accordance with section 303(d)(1) of the federal Clean Water Act, 33 USC § 1313(d)(1)(C)? (A list of the most current Wisconsin impaired waterbodies may be found on the Department's Internet site at: <http://dnr.wi.gov/water/impairedsearch.aspx?status=303d>)

Yes    No

If yes, complete the following:

**Part VIII. Water Quality Concerns (continued)**

- Impaired waterbody to which the MS4 discharges:  
South Branch Rock River (listed for pollutants: sediment, total phosphorus)
- Description of actions municipality has taken to comply with section 1.5.2 of the MS4 general permit for discharges of pollutant(s) of concern to an impaired waterbody:  
The City of Waupun is committed to and proceeding the pollution permit requirements.

c. Identify any known water quality improvements in the receiving water to which the MS4 discharges during the reporting period.  
None at this time

d. Identify any known water quality degradation in the receiving water to which the MS4 discharges during the reporting period and what actions are being taken to improve the water quality in the receiving water.  
None at this time

e. Does any part of the MS4 discharge to an approved Total Maximum Daily Load (TMDL) area (Section 1.5.4 of the general permit)?  
 Yes  No

If yes, fill out below. If no, disregard.

Required reporting for TMDLs approved prior to the effective date of the permit for 2016:

Name of TMDL: Rock River TMDL Watersheds Date TMDL approved? 01/01/2010

Map(s) included?  Yes  No - Submit a storm sewer system map (may be the same map submitted under section V.6. of this form), which includes the TMDL reachshed boundaries and associated acreage within the municipality, and the MS4 drainage boundaries and associated acreage within the municipality.

**Part IX. Proposed Program Changes**

Describe any proposed changes to the storm water management program being considered for 2017 and the schedule for implementing those changes. Proposed program changes must be consistent with the requirements of the general permit.  
None at this time

**Part X. Other**

Any other municipal storm water program information for inclusion in the Annual Report regarding their storm water program may be added here or attached.  
None at this time

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

Program Element	Annual Expenditure 2016	Budget		Source of Funds
		2016	2017	
Public Education and Outreach	\$5,200	\$5,000	\$5,000	Storm Water Utility Rock River Storm Water Group School Advertising
Public Involvement and Participation				Legal advertisement costs, otherwise only city staff time to prepare and present public meeting information.
Illicit Discharge Detection and Elimination	\$37,407	\$24,000	\$30,000	Storm Water Utility Television & Clean Storm Sewers Repair damaged inlets
Construction Site Pollutant Control				This is part of our permit fee to cover all inspection services, not divided out.
Post-Construction Storm Water Management				Developer Fees: Engineering firm review; General Fund: City Staff time
Pollution Prevention	\$1,53,507	\$1,75,000	\$1,60,000	Repairs/Maintenance including cleaning Engineering DNR Permit Capital Outlay
Storm Water Quality Management (including pollutant-loading analysis)	\$8,350		\$10,000	Storm Water Utility Stormwater Quality Plan
Storm Sewer System Map		\$1,750		ESRI Mapping Maintenance
Other:	\$94,439	\$142,174	\$159,130	Storm Water Utility Diggers Hotline Tickets Projects Storm Water Collection Fees Salaries/Wages

NORTHERN REGION COUNTIES			WEST CENTRAL REGION COUNTIES		
Ashland	Langlade	DNR Service Center	Adams	Marathon	DNR Service Center
Barron	Lincoln	Attn: Storm Water Program	Buffalo	Monroe	Attn: Storm Water Program
Bayfield	Oneida	5301 Rib Mountain Rd.	Chippewa	Pepin	5301 Rib Mountain Rd.
Burnett	Polk	Wausau, WI 54401	Clark	Pierce	Wausau, WI 54401
Douglas	Price	Phone: (715) 359-4522	Crawford	Portage	Phone: (715) 359-4522
Florence	Rusk		Dunn	St. Croix	
Forest	Sawyer		Eau Claire	Trempealeau	
Iron	Taylor		Jackson	Vernon	
	Vilas		Juneau	Wood	
	Washburn		La Crosse		

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

SOUTHEAST REGION COUNTIES		
Kenosha	Sheboygan	DNR Service Center
Milwaukee	Walworth	Attn: Storm Water Program
Ozaukee	Washington	141 NW Barstow Street,
Racine	Waukesha	Room 180
		Waukesha, WI 53188
		(262) 574-2100

CITY OF WAUPUN  
ATTACHMENT A:  
2016 Annual Report under MS4 General Permit  
March 2017

**Illicit Discharge Detection & Elimination**

# CCTV Defects by Inspection Report

Printed on 03/31/2016

Client	City of Waupun	Work Order	16046
Project	Waupun 16046	Project Start	02/04/2016
Location		Start Tape	16-01
		UOM Ft	Setups 313
Database	Q:\2016 PIPELOGIX\DATA\CITY OF WAUPUN 16046.MDB		

Setup	Manholes			Structural conditions							O and M Conditions							Misc				
	From Manhole	To Manhole	Surveyed length	Break in pipe	Collapse	Cracks	Fracture	Deformation	Defective Joints	Defective Lining	Defective Taps	Roots	Grease	Encrustation & Scale	Settled Deposits	Infiltration	Obstruction	Line Deviations	Water Level +20%	Survey Abandoned	Camera Underwater	
1	MH SP-M18	MH SP-M16	351.6	1	1										15							
2	MH SP-M16	MH SP-M14	291.9	1		42									6	1						
3	MH SP-M14	MH SP-M12	275.3	1		22	15					14		13	1	14						
4	MH SP-M12	MH SP-M20	4.8																		1	
5	MH SP-M8	MH SP-M10	10.9											2							1	
6	MH SP-M10	MH SP-M8	373.0				4				3			23		2			2	1		
7	MH SP-M8	MH SP-M6	21.1																			
8	MH SP-M6	CB SP-M6A	249.0						2					4				1				
9	CB SP-M6A	MH SP-M12	37.7																			
10	MH SP-M10	CB SP-I15	9.0																			
11	MH SP-M4	MH SP-M6	296.1								2				1	1	2					
12	MH SP-M4	MH SP-M4A	298.7							1						1	1					
13	MH SP-M4A	MH SP-M2	460.5							1				28								
14	MH SP-M2	CB SP-I1	157.9				1	1		1											1	
15	CB SP-I1	MH SP-M2	70.3						1	1							1				1	
16	MH SP-M4A	CB SP-I9	28.6											6								
17	MH SP-M4A	CB SP-I7	6.0																			
18	MH SP-M2	CB SP-I5	28.6											2								
19	MH SP-M2	CB SP-I3	6.0																			
20	MH SP-M8	CB SP-I13	43.3			1	5							2				2				
21	MH SP-M8	CB SP-I11	8.0																			
22	MH SP-M18	CB SOUTH	38.6			3			1													
23	MH GA-M18	MH GA-M20	70.1																			
24	MH GA-M18	MH GA-M16	256.5											14		1						
25	MH GA-M16	MH GA-M14	114.1													1						



Great Lakes TV Seal, Inc.  
 Phone: 920-863-3663  
 Fax: 920-863-3662

Setup	Manholes			Structural conditions							O and M Conditions							Misc			
	From Manhole	To Manhole	Surveyed length	Break in pipe	Collapse	Cracks	Fracture	Deformation	Defective Joints	Defective Lining	Defective Taps	Roots	Grease	Encrustation & Scale	Settled Deposits	Infiltration	Obstruction	Line Deviations	Water Level +20%	Survey Abandoned	Camera Underwater
26	MH GA-M14	MH GA-M12A	140.9																		
27	MH GA-M12A	MH GA-M12	139.4																		
28	MH GA-M12	MH GA-M10	291.9																		
29	MH GA-M10	MH GA-M8	194.3																1		
30	MH GA-M8	MH GA-M6	77.5																1		
31	MH GA-M22	CB GA-I21	32.2																		
32	MH GA-M22	CB GA-I23	11.1																		
33	MH GA-M22	MH GA-M20	196.0							1				1		1					
34	CB GA-I19	MAINLINE	70.6																		
35	MH GA-M28	MH GA-M30	84.9																		
36	MH GA-M30	CB GA-I35	9.6																		
37	MH GA-M28	CB GA-I33	26.6														1				
38	MH GA-M28	MH GA-M26	48.1														1				
39	MH GA-M26	MH GA-M24	128.3												2					1	
40	MH GA-M24	MH GA-M26	13.0												3					1	
41	MH GA-M26	CB GA-I31	29.5																		
42	MH GA-M26	CB GA-I29	8.0																		
43	MH GA-M24	CB GA-I25	10.0												2						
44	MH GA-M24	CB GA-I27	30.6																		
45	CB GA-I27	CB GA-I77	53.3															1	3		1
46	MH GA-M24	MH GA-M20	70.7																		
47	MH GA-M20	CB GA-I17	33.5																		
48	MH GA-M18	CB GA-I15	10.0																		
49	MH GA-M18	CB GA-I13	32.5												7						
50	MH GA-M16	CB GA-I9	69.0						1												
51	MH GA-M16	CB GA-I11	0.1																	1	
52	MH GA-M14	CB EAST	11.0																		
53	MH GA-M14	CB GA-I71	31.5																		
54	CB GA-I71	CB GA-I73	20.7																		
55	CB GA-I73	CB GA-I75	82.5																		



Setup	Manholes			Structural conditions								O and M Conditions							Misc		
	From Manhole	To Manhole	Surveyed length	Break in pipe	Collapse	Cracks	Fracture	Deformation	Defective Joints	Defective Lining	Defective Taps	Roots	Grease	Encrustation & Scale	Settled Deposits	Infiltration	Obstruction	Line Deviations	Water Level +20%	Survey Abandoned	Camera Underwater
56	MH GA-M6	CB GA-I63	6.0																		
57	CB GA-I63	CB GA-I65	44.3											7							
58	MH GA-M10	CB GA-I3	12.0																		
59	MH GA-M10	CB GA-I1	30.6																		
60	CB GA-I1	CB GA-I67	0.1																	1	
61	MH GA-M12	CB GA-I7	11.0																		
62	MH GA-M12	CB GA-I5	31.8																		
63	CB GA-I5	CB GA-I69	69.6													1					
64	CB GA-I59	CB GA-I61	42.9											1		1					
65	CB GA-I59	MH GA-M4	4.0																		
66	CB GA-I55	CB GA-I57	42.4			2														1	
67	CB GA-I55	MH GA-M2	26.3																1		1
68	CB GA-I39	CB GA-I41	41.5				3								1						
69	CB GA-I41	CB GA-I41A	4.0																		
70	CB GA-I39	CB GA-I39A	4.0																		
71	CB GA-I39	OUTFALL GA-O7	29.3																		
72	CB GA-I43	CB GA-I45	43.6											5							
73	CB GA-I43	OUTFALL GA-O9	28.2													1					
74	OUTFALL GA-O3	INLET GA-E2	109.8				1												2		1
75	MH GA-M6	MH GA-M6A	130.5												1				1		
76	MH GA-M6A	MH GA-M4	274.8																1		
77	MH GA-M4	MH GA-M2	401.5								1				1	1			1		
78	MH GA-M2	OUTFALL GA-O1	168.5																1		
79	MH GA-M6A	POND INLET	93.2																		
80	CB GA-I53	CB GA-I49	42.3																1		
81	CB GA-I49	CB GA-I47	4.0																		
82	CB GA-I53	CB GA-I51	4.0																		
83	CB GA-I53	OUTFALL	71.0																2		1
84	MH MD-M26	CB MD-I33	22.0																		
85	CB MD-I33	INLET MD-133-A	23.3																		





Setup	Manholes			Structural conditions								O and M Conditions							Misc		
	From Manhole	To Manhole	Surveyed length	Break in pipe	Collapse	Cracks	Fracture	Deformation	Defective Joints	Defective Lining	Defective Taps	Roots	Grease	Encrustation & Scale	Settled Deposits	Infiltration	Obstruction	Line Deviations	Water Level +20%	Survey Abandoned	Camera Underwater
86	MH MD-M26	CB MD-I31	11.6																		
87	MH MD-M26	MH MD-M24	106.9											1							
88	MH MD-M24	MH MD-M22	248.8							1	1										
89	MH MD-M22	MH MD-M20	178.8																		
90	MH MD-M20	MH MD-M18	71.8																		
91	MH MD-M18	MH MD-M14	99.5																		
92	MH SP-M20	MH SP-M12	181.6										1								
93	MH SP-M20	MH SP-M22	271.7											1							
94	MH SP-M22	MH SP-M24	286.5			1							1	2							
95	MH SP-M24	MH SP-M24A	138.6											28							
96	MH SP-M24A	MH SP-M26	131.6											27		1					
97	MH SP-M26	OUTLET SP-O3	37.5															1	1	1	
98	MH MD-M24	CB MD-I27	13.7																		
99	MH MD-M24	CB MD-I29	23.0			1								5							
100	CB MD-I29	INLET MD-129-A	22.0						1												
101	CB MD-I23	MH MD-M22	159.3	1																	
102	CB MD-I23-A	CB MD-I23	31.8				1							7							
103	MH SP-M16	CB SOUTH TOWARDS	10.0				1	1									1				
104	CB MD-I23	CB MD-I25	3.0											1						1	
105	CB MD-I23	MH MD-M22	30.7																		
106	MH MD-M20	CB MD-I21	49.6																		
107	MH MD-M18	CB MD-I19	25.7														1				
108	MH MD-M18	CB MD-I17	7.0																		
109	CB MD-I13	CB MD-I15	34.2																		
110	CB MD-I13	MH MD-M16	53.5														1				
111	MH MD-M12	CB MD-I7	40.9																		
112	MH MD-M12	MH MD-M10	33.5																		
113	MH MD-M10	CB MD-I9	22.2				1														
114	CB MD-I3	CB MD-I1	34.6																		
115	CB MD-I1	MH MD-M2	6.0																		



Setup	Manholes			Structural conditions								O and M Conditions						Misc			
	From Manhole	To Manhole	Surveyed length	Break in pipe	Collapse	Cracks	Fracture	Deformation	Defective Joints	Defective Lining	Defective Taps	Roots	Grease	Encrustation & Scale	Settled Deposits	Infiltration	Obstruction	Line Deviations	Water Level +20%	Survey Abandoned	Camera Underwater
116	CB MD-I3	CB MD-I3A	5.0											1						1	
117	MH MD-M16	CB MD-I11	24.1											1							
118	MH MD-M14	MH MD-M16	18.5											4							
119	MH MD-M14	MH MD-M10	456.6											3	2						
120	MH MD-M10	MH MD-M10A	277.1												1						
121	MH MD-M10A	MH MD-M8	148.6																		
122	MH MD-M8	CB MD-I5	4.0																		1
123	CB MD-I5	WEST - INTO CEMETERY	19.2																		
124	MH MD-M8	MH MD-M6	31.7																		
125	MH MD-M6	MH MD-M4	115.1							1				20		1		1			
126	MH MD-M4	MH MD-M2	157.6											15							
127	MH MD-M2	MH MD-M2A	112.4																		
128	MH MD-M2A	OUTFALL MD-O1	51.0						2												
129	MH MS-M2	CB MS-I3	284.3							1				6			1				
130	INLET MS-I3	CB MS-I5	52.3														1				
131	MH MS-M2	OUTFALL MS-O1	11.9											1							1
132	MH MS-M2	CB MS-I1	157.4	1							1						1		1		
133	MH MI-M2	MH MI-I5	119.5																		
134	MH MI-M2	OUTFALL MI-O1	60.6																		
135	CB MI-I3	SOUTH	26.6														1				
136	CB MI-I3	MH MI-I5	51.6																		
137	CB MI-I3	CB MI-I1	29.0											6							
138	MH CH-M8	CB CH-I37	10.0																		
139	MH CH-M8	CB CH-I35	28.9					1													
140	MH CH-M8	MH CH-M6	421.3											1							
141	MH CH-M6	CB CH-I33	48.3																	4	
142	MH CH-M6	MH CH-M18	317.6								4										
143	MH CH-M18	MH CH-M4	108.8				1										1				1
144	MH CH-M4	MH CH-M18	10.8														1				1
145	MH CH-M18	CB CH-I23	4.4																		



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Setup	Manholes			Structural conditions								O and M Conditions							Misc				
	From Manhole	To Manhole	Surveyed length	Break in pipe	Collapse	Cracks	Fracture	Deformation	Defective Joints	Defective Lining	Defective Taps	Roots	Grease	Encrustation & Scale	Settled Deposits	Infiltration	Obstruction	Line Deviations	Water Level +20%	Survey Abandoned	Camera Underwater		
146	MH CH-M18	CB CH-I21	34.4																				
147	MH CH-M4	CB CH-I19A	22.5																				
148	MH CH-M4	MH CH-M4A	195.1							1													
149	MH CH-M4A	CB CH-I13	36.4													1							
150	CB CH-I13	CB CH-I7	55.7																				
151	MH CH-M12-A	MH CH-M12-B	3.0										1								1		
152	MH CH-M12-B	MH CH-M12-A	135.0											26			1	2	1				
153	MH CH-M12-A	CB CH-I19-A	182.8										1			1	5					4	
154	MH CH-M12-A	MH CH-M12	29.0													2						1	
155	MH CH-M12	MH CH-M12-A	6.0																			1	
156	MH CH-M12	MH CH-M16	40.9													1		1	1				
157	CB CH-I25	CB CH-I27	31.6																				
158	CB CH-I25	CB CH-I23	6.8																			1	
159	CB CH-I23	CB CH-I25	183.9	1			14															1	
160	CB CH-I23	CB CH-I29	32.0																			1	
161	CB CH-I23	MH CH-M6	5.0																			1	
162	MH CH-M6	CB CH-I23	28.1				1															1	
163	MH CH-M6	CB CH-I31	22.6																				
164	CB CH-I3	CB CH-I5	37.0				1							4									
165	CB CH-I1-A	CB CH-I1	38.0			1																	
166	CB CH-I1-A	OUTFALL CH-O1	185.7	1																			
167	MH CH-I1-A	CB CH-I3	322.0											2		1							
168	CB CH-I1-A	CB CH-I7	107.8																				
169	CB CH-I7	CB CH-I9	22.7											3								1	
170	CB CH-I9	CB CH-I7	142.9											18								1	
171	CB CH-I15	CB CH-I13	9.0											2								1	
172	CB CH-I15	CB CH-I17	4.0											2								1	
173	CB CH-I9	CB CH-I11	8.0											2								1	
174	CB FO-I7	OUTFALL FO-O5	188.8						1								1	1					
175	CB FO-I9	CB FO-I7	37.5																				



Setup	Manholes			Structural conditions							O and M Conditions							Misc			
	From Manhole	To Manhole	Surveyed length	Break in pipe	Collapse	Cracks	Fracture	Deformation	Defective Joints	Defective Lining	Defective Taps	Roots	Grease	Encrustation & Scale	Settled Deposits	Infiltration	Obstruction	Line Deviations	Water Level +20%	Survey Abandoned	Camera Underwater
176	CB FO-I13	CB FO-I11	39.1																		
177	CB FO-I13	OUTFALL	175.0					1		1						1					
178	MH SO-M36	CB SO-I79	6.0																		
179	MH SO-M36	CB SO-I77	22.6																		
180	MH SO-M36	MH SO-M34	66.8											6							
181	MH SO-M34	CB SO-I73	6.2																		
182	MH SO-M34	CB SO-I75	23.2																		
183	MH SO-M34	MH SO-M32	253.2					1						27							
184	MH SO-M32	CB SO-I71	5.0																		
185	MH SO-M32	CB SO-I69	27.0																		
186	MH SO-M32	CB SO-I9	139.5	1										10		1				1	
187	CB SO-I9	MH SO-M32	9.0														1			1	
188	CB SO-I9	CB SO-I7	27.7																		
189	CB SO-I7	MH SO-M12	39.1																		
190	CB SO-I7	EAST	8.0															1		1	
191	CB SO-I9	CB SO-I11	3.0											1						1	
192	CB SO-I49	CB SO-I51	7.0											2						1	
193	CB SO-I49	CB SO-I45	246.0			8	3														
194	CB SO-I45	CB SO-I47	41.0	1		1								10							
195	CB SO-I45	CB SO-I43	110.6											6		1				1	
196	CB SO-I43	CB SO-I45	67.5											14		1				1	
197	CB SO-I39	CB SO-I41	32.5											7							
198	CB SO-I39	MH SD-M26	2.0																		
199	MH SD-M26	CB SO-143	10.7													1				1	
200	CB SO-143	MH SD-M26	8.0													1				1	
201	CB SO-I37	MAINLINE	3.0																		1
202	MH EM-M18	MH EM-M16	43.6					1											1		
203	MH EM-M18	MH EM-M20	49.2											4							
204	MH EM-M16	CB EM-I15	7.0																		
205	MH EM-M16	CB EM-I17	238.5			1	4		1												



Setup	Manholes			Structural conditions								O and M Conditions							Misc			
	From Manhole	To Manhole	Surveyed length	Break in pipe	Collapse	Cracks	Fracture	Deformation	Defective Joints	Defective Lining	Defective Taps	Roots	Grease	Encrustation & Scale	Settled Deposits	Infiltration	Obstruction	Line Deviations	Water Level +20%	Survey Abandoned	Camera Underwater	
206	CB EM-I17	CB EM-I19	194.0			1	2															
207	MH EM-M16	MH EM-M14	10.0											1							1	
208	MH EM-M14	MH EM-M16	0.0																		1	
209	MH EM-M4	MH EM-M6	156.7																			
210	MH EM-M6	MH EM-M8	55.6											6								
211	MH EM-M4	MH EM-M12	25.2											1								
212	MH EM-M12	CB EM-I9	63.0																			
213	MH EM-M14	CB EM-I11	22.6											4							1	
214	CB EM-I1	MAINLINE	8.0																			
215	MH EM-M8	CB EM-I3	37.3											1		2					1	
216	MH EM-M8	MH EM-M10	108.0	4			1															
217	MH EM-M10	CB EM-I5	10.0	2																		
218	MH EM-M10	CB EM-I7	27.9			1																
219	OUTFALL EM-O3	MH EM-M2	74.6						2													
220	MH EM-M2	MH EM-M12	355.0											49								
221	MH SO-M22	CB SO-I31	38.6																			
222	CB SO-I31	CB SO-I27	419.6								1											
223	CB SO-I27	MH SO-M20	9.6																			
224	MH SO-M22	CB SO-I33	23.0																			
225	MH SO-M22	CB SO-I35	26.8																			
226	CB SO-I29	MAINLINE	38.6											2								
227	MH SO-M20	CB SO-I27	36.0											5								
228	MH SO-M18	CB SO-I21	27.0						2													
229	MH SO-M18	MH SO-M16	13.7				3	2													1	
230	MH SO-M16	MH SO-M18	134.4	1		1	6		1					2							1	
231	CB SO-I19	CB SO-I17	24.6											4								
232	CB SO-I15	CB SO-I13	12.9																			
233	CB SO-I15	MH SO-M14	15.6																			
234	MH SO-M8	CB SO-I3	13.6																			
235	MH SO-M8	CB SO-I5	13.4			1								2							1	



Setup	Manholes			Structural conditions								O and M Conditions							Misc		
	From Manhole	To Manhole	Surveyed length	Break in pipe	Collapse	Cracks	Fracture	Deformation	Defective Joints	Defective Lining	Defective Taps	Roots	Grease	Encrustation & Scale	Settled Deposits	Infiltration	Obstruction	Line Deviations	Water Level +20%	Survey Abandoned	Camera Underwater
236	MH SO-M6	CB SO-I1	7.0																		
237	MH SO-M6	CB WEST	3.0											1						1	
238	MH SO-M28	CB SO-I55	40.2																		
239	CB SO-I53	MAINLINE	4.0																		
240	CB SO-I81	CB SO-I59	32.8																		
241	CB SO-I81	MH SO-M30	40.7										1								
242	MH SO-M38	CB SO-I83	26.6																		
243	MH SO-M38	CB SO-I85	6.0																		
244	CB SO-I65	CB SO-I67	26.6																		
245	CB SO-I65	MH SO-M40	47.9																		
246	CB SO-I87	CB SO-I89	33.0																		
247	CB SO-I87	CB SO-I63	26.5																		
248	CB SO-I61	CB SO-I63	26.9																		
249	CB SO-I61	MH SO-M40	21.5											1							
250	MH SO-M40	MH SO-M38	336.0																		
251	MH SO-M38	MH SO-M30	56.7																		
252	MH SO-M30	CB SO-I57	47.1															1			
253	CB SO-I57	MH SO-M28	4.0															1		1	
254	MH SO-M28	CB SO-I57	310.0											1				2		1	
255	MH SO-M28	MH SO-M26	370.9	1		7	11				1										
256	MH SO-M26	MH SO-M24	78.5				1							2		1					
257	MH SO-M24	MH SO-M24A	19.8																		
258	MH SO-M24A	MH SO-M20	302.8				3									2	1				
259	MH SO-M20	CB SO-I23	35.6																		
260	CB SO-I23	MH SO-M16	187.4	2			1									1	2			1	
261	MH SO-M16	CB SO-I23	124.1	2			3									1	1			1	
262	MH SO-M16	CB SO-I19	171.6	1			5														
263	CB SO-I19	MH SO-M14	142.4	2		1										1				1	
264	MH SO-M14	CB SO-I19	13.4	2												1				1	
265	MH SO-M14	MH SO-M12	313.2			1															



Setup	Manholes			Structural conditions								O and M Conditions						Misc			
	From Manhole	To Manhole	Surveyed length	Break in pipe	Collapse	Cracks	Fracture	Deformation	Defective Joints	Defective Lining	Defective Taps	Roots	Grease	Encrustation & Scale	Settled Deposits	Infiltration	Obstruction	Line Deviations	Water Level +20%	Survey Abandoned	Camera Underwater
266	MH SO-M12	MH SO-M10	86.7																		
267	MH SO-M10	MH SO-M8	127.5																		
268	MH SO-M8	MH SO-M6	46.9																		
269	MH SO-M6	MH SO-M4	181.1																		
270	MH SO-M4	MH SO-M2	107.9			4	2										1				
271	MH SO-M2	OUTFALL SO-O1	457.0			9	13				1		1			1		1			
272	MH SP-M28	CB SOUTH	162.1											37			1	2			
273	MH SP-M28	CB SP-I17	14.3											4					1		
274	CB SP-I17	MH SP-M28	96.3	1				2						7						1	
275	CB SP-I17	CB SP-I19	16.8											2			1			1	
276	CB SP-I17	CB SP-I21	113.2											2							
277	CB SP-I25	CB SP-I23	17.6	1			1							4						1	
278	CB SP-I25	OUTFALL SP-O9	351.1						3					1				3	1		
279	OUTFALL SP-O9	CB SP-I25	82.1						1											1	
280	CB SOUTH	TOWARDS BUILDING	28.6											2						1	
281	CB SP-I21	TOWARDS BUILDING	4.8											1						1	
282	MH MD-M12	NORHWEST PIPE	314.6														2				
283	MH MD-M12	SOUHWEST PIPE	110.1											19						1	
284	CB MD-I15	CB MD-I35	49.8															1			
285	MH EM-M14	CB EM-I11	5.0																		
286	CB EM-I11	MH EM-M14	41.8				1														
287	MH EM-M14	MH EM-M16	225.8			1		3													
288	MH EM-M14	MH EM-M14A	88.8											1						1	
289	CB CH-I15	CB CH-I13	30.0			2															
290	CB CH-I15	CB CH-I17	19.5								1										
291	CB CH-I9	CB CH-I11	37.9						1												
292	MH SP-M10	MH SP-M8	386.0			5				3							16	1	1		
293	MH SP-M8	MH SP-M10	32.3														3			1	
294	MH EM-M14	MH EM-M14A	171.3																		
295	MH EM-M14A	OUTFALL EM-O5	172.9				1							3			1				



Setup	Manholes			Structural conditions							O and M Conditions							Misc				
	From Manhole	To Manhole	Surveyed length	Break in pipe	Collapse	Cracks	Fracture	Deformation	Defective Joints	Defective Lining	Defective Taps	Roots	Grease	Encrustation & Scale	Settled Deposits	Infiltration	Obstruction	Line Deviations	Water Level +20%	Survey Abandoned	Camera Underwater	
296	OUTFALL EM-O5	CB EM-I13	25.5	1																		
297	CB EM-I3	MH EM-M8A	9.3																			
298	MH EM-M8A	MH EM-M8	63.6																			
299	CB SO-I51	CB SO-I49	69.0	2		1	6															
300	MH SO-M24	CB SO-I37	23.7				1										1					
301	CB SO-I9	CB SO-I11	36.9			1																
302	MH SO-M8	CB SO-I5	38.5			1	1															
303	MH SO-M6	CB WEST	31.9																			
304	CB SOUTH	TOWARDS BUILDING	59.2												1						1	
305	MH SP-M28	MH SP-M28A	49.6	1				1									1		2		1	
306	CB SP-I21	TOWARDS BUILDING	37.3																			
307	CB SP-I25	CB SP-I23	75.7	1			1										1			1		
308	CB MD-I3	CB MD-I3A	117.5			2	3		4			5						1				
309	CB MD-I23	CB MD-I25	32.0																			
310	OUTFALL MS-O1	MH MS-M2	50.7																			
311	MH ST-M16	MH ST-M14	71.8																	2		1
312	MH ST-M14	MAINLINE	194.6							2							1		5			
313	MH SP-M28A	CB SP-I17	11.9		1										1						1	
Totals			26112.4	33	1	124	122	9	28	0	26	24	0	16	555	43	64	36	50	69	11	





CITY OF WAUPUN  
ATTACHMENT B:  
2016 Annual Report under MS4 General Permit  
March 2017

**Routine Inspection and Maintenance**

# City of Waupun Stormwater Pond Operation, Maintenance, and Management Inspection Checklist

Stormwater Facility Name		Mayfair & Watertown (S. of Mayfair)		Weather Condition:	
Location & Owner:		City of Waupun		65 sun	
Inspector(s)		Jill & Diane			
Date of Inspection		5-20-16			
Item	Inspection / Maintenance Item	Satisfactory (S) / Unsatisfactory (US)	Comments	Action to Be Taken	Who
<b>Embankment &amp; Emergency Spillway</b>					
1	Vegetation and ground cover adequate	S			
2	Embankment erosion	S			
3	Animal burrows	US	a couple animal holes	Fill holes	DRW
4	Unauthorized planting	S			
5	Slope protection or riprap failure	S			
6	Other (Specify)				
<b>Outlet Structure</b>					
Type: Reinforced concrete					
1		S			
	a. Outlet obstructions / trash	S			
	b. Cracked / spalled / undermined concrete	S			

## City of Waupun Stormwater Pond Operation, Maintenance, and Management Inspection Checklist

Item	Inspection / Maintenance Item	Satisfactory (S) / Unsatisfactory (US)	Comments	Action to Be Taken	Who
2	Trash Rack.				
	a. Debris removal necessary	US	Debris	Pick up trash	DFW
	b. Corrosion control	S			
3	Riprap failures	S			
4	Slope erosion	S			
5	Pipe(s) condition	S			
6	Endwalls / Headwalls condition	S			
7	Other (specify)				
<b>Permanent Pool</b>					
1	Undesirable vegetative growth	S			
2	Floating or floatable debris removal required	S			
3	Visible oil sheen	N/A			
4	Shoreline erosion	S			
5	Sediment buildup near inlet	S			

## City of Waupun Stormwater Pond Operation, Maintenance, and Management Inspection Checklist

Item	Maintenance Item	Satisfactory (S) / Unsatisfactory (US)	Comments	Action to Be Taken	Who
<b>Inlet Structure</b>					
1	Riprap failures	US	<del>US</del> Needs riprap	add riprap	DFW
2	Slope erosion	S			
3	Pipe(s) condition	S			
4	Endwalls / Headwalls condition	S			
5	Other (specify)				

### Additional Comments

Signature of Person Who Conducted the Inspection:

*John Dean* 5-20-16 (Date)  
Self Done (Print Name)

City Contact: Mr. Richard Flynn  
 Director of Public Works  
 920-324-7918

## City of Waupun Stormwater Pond Operation, Maintenance, and Management Inspection Checklist

Stormwater Facility Name		City Pond by Lincoln & Shaler (S. of Lincoln and east of the high school)		Weather Condition:	
Location & Owner:		City of Waupun Jeff D'Arane		65 Sun	
Inspector(s)		City of Waupun Jeff D'Arane			
Date of Inspection		5-20-16			
Item	Inspection / Maintenance Item	Satisfactory (S) / Unsatisfactory (US)	Comments	Action to Be Taken	Who
<b>Embankment &amp; Emergency Spillway</b>					
1	Vegetation and ground cover adequate	S			
2	Embankment erosion	S			
3	Animal burrows	S			
4	Unauthorized planting	S			
5	Slope protection or riprap failure	S			
6	Other (Specify)				
<b>Outlet Structure</b>					
Type: Reinforced concrete					
1		S			
	a. Outlet obstructions / trash	S			
	b. Cracked / spalled / undermined concrete	S			

## City of Waupun Stormwater Pond Operation, Maintenance, and Management Inspection Checklist

Item	Inspection / Maintenance Item	Satisfactory (S) / Unsatisfactory (US)	Comments	Action to Be Taken	Who
2	Trash Rack. a. Debris removal necessary b. Corrosion control	US	Debris	Pick up trash	DPW
3	Riprap failures	S			
4	Slope erosion	S			
5	Pipe(s) condition	S			
6	Endwalls / Headwalls condition	S			
7	Other (specify)				
<b>Permanent Pool</b>					
1	Undesirable vegetative growth	S			
2	Floating or floatable debris removal required	S			
3	Visible oil sheen	None			
4	Shoreline erosion	S			
5	Sediment buildup near inlet	S			

## City of Waupun Stormwater Pond Operation, Maintenance, and Management Inspection Checklist

Item	Maintenance Item	Satisfactory (S) / Unsatisfactory (US)	Comments	Action to Be Taken	Who
<b>Inlet Structure</b>					
1	Riprap failures	S			
2	Slope erosion	S			
3	Pipe(s) condition	S			
4	Endwalls / Headwalls condition	S			
5	Other (specify)				

**Additional Comments**

Signature of Person Who Conducted the Inspection: *Jeff Davis* *5-20-16* (Date)

*Jeff Davis* (Print Name)

City Contact: Mr. Richard Flynn  
 Director of Public Works  
 920-324-7918

## City of Waupun Stormwater Pond Operation, Maintenance, and Management Inspection Checklist

Stormwater Facility Name		City Pond on Shaler (Between Taco Bell and Motel)		Weather Condition:	
Location & Owner:		City of Waupun Self Damage		65 Sun	
Inspector(s)		5-20-14			
Date of Inspection					
Item	Inspection / Maintenance Item	Satisfactory (S) / Unsatisfactory (US)	Comments	Action to Be Taken	Who
<b>Embankment &amp; Emergency Spillway</b>					
1	Vegetation and ground cover adequate	S			
2	Embankment erosion	S			
3	Animal burrows	S			
4	Unauthorized planting	S			
5	Slope protection or riprap failure	S			
6	Other (Specify)				
<b>Outlet Structure</b>					
1	Type: Reinforced concrete	S			
	a. Outlet obstructions / trash	S			
	b. Cracked / spalled / undermined concrete	S			



### City of Waupun Stormwater Pond Operation, Maintenance, and Management Inspection Checklist

Item	Inspection / Maintenance Item	Satisfactory (S) / Unsatisfactory (US)	Comments	Action to Be Taken	Who
2	Trash Rack.				
	a. Debris removal necessary	US	Pick up trash	Pick up	DRW
	b. Corrosion control	S			
3	Riprap failures	S			
4	Slope erosion	S			
5	Pipe(s) condition	S			
6	Endwalls / Headwalls condition	S			
7	Other (specify)				
<b>Permanent Pool</b>					
1	Undesirable vegetative growth	S			
2	Floating or floatable debris removal required	S			
3	Visible oil sheen	None			
4	Shoreline erosion	S			
5	Sediment buildup near inlet	S			

## City of Waupun Stormwater Pond Operation, Maintenance, and Management Inspection Checklist

Item	Maintenance Item	Satisfactory (S) / Unsatisfactory (US)	Comments	Action to Be Taken	Who
<b>Inlet Structure</b>					
1	Riprap failures	S			
2	Slope erosion	S			
3	Pipe(s) condition	S			
4	Endwalls / Headwalls condition	S			
5	Other (specify)				

**Additional Comments**

Signature of Person Who Conducted the Inspection:


  
 \_\_\_\_\_ 5-20-14 (Date)
   
 (Print Name)

City Contact: Mr. Richard Flynn  
 Director of Public Works  
 920-324-7918

### City of Waupun Stormwater Pond Operation, Maintenance, and Management Inspection Checklist

Stormwater Facility Name		City owned pond Hawthorn & Winter Ave		Weather Condition:	
Location & Owner:		City of Waupun Jeff Dane		CS Sun	
Inspector(s)					
Date of Inspection		5-20-16			
Item	Inspection / Maintenance Item	Satisfactory (S) / Unsatisfactory (US)	Comments	Action to Be Taken	Who
<b>Embankment &amp; Emergency Spillway</b>					
1	Vegetation and ground cover adequate	S			
2	Embankment erosion	S			
3	Animal burrows	S			
4	Unauthorized planting	S			
5	Slope protection or riprap failure	S			
6	Other (Specify)	S			
<b>Outlet Structure</b>					
Type: Reinforced concrete					
1		S			
	a. Outlet obstructions / trash	S			
	b. Cracked / spalled / undermined concrete	S			

### City of Waupun Stormwater Pond Operation, Maintenance, and Management Inspection Checklist

Item	Inspection / Maintenance Item	Satisfactory (S) / Unsatisfactory (US)	Comments	Action to Be Taken	Who
2	Trash Rack.				
	a. Debris removal necessary	S			
	b. Corrosion control	S			
3	Riprap failures	S			
4	Slope erosion	S			
5	Pipe(s) condition	S			
6	Endwalls / Headwalls condition	S			
7	Other (specify)				
<b>Permanent Pool</b>					
1	Undesirable vegetative growth	S			
2	Floating or floatable debris removal required	S			
3	Visible oil sheen	Done			
4	Shoreline erosion	S			
5	Sediment buildup near inlet	S			



CITY OF WAUPUN  
ATTACHMENT C:  
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Salt / Liquid Usage 2015-2016

Vehicle ID	Date	Salt Tons	Liquid Type	Liquid Gallons	Mileage	Road Temp
6-13	11/23/2015	0.7	Salt		0.3	31
5-09	11/30/2015	0.83	Salt		10.7	33
6-13	12/28/2015	7.74	Salt Brine	63.4	35.6	29
6-13	12/29/2015	7.9044	Salt Brine	93.2	30.2	27
6-13	12/30/2015	6.29145	Salt Brine	189.4	10.9	29
5-09	12/28/2015	3.4395	Salt Brine	54	20.7	29
5-09	12/29/2015	2.7505	Salt Brine	36	14.4	27
3-08	12/28/2015	4.5425	Salt Brine	54	29	30
3-08	12/29/2015	5.86	Salt Brine	36	34	27
9-12	12/28/2015	6.4765	Salt Brine	54	44	29
9-12	12/29/2015	2.018	Salt Brine	36	11	27
30	12/28/2015		Salt Brine	960	60	32
8	12/28/2015		Salt Brine	1000	71	32
3-08	1/7/2016	4.056	Salt Brine	25	25	31
3-08	1/9/2016	4.2565	Salt Brine	36	26.4	31
3-08	1/10/2016	4.6275	Salt Brine	36	29	17
3-08	1/12/2016	4.023	Salt Brine	36	22	17
3-08	1/15/2016	3.3375	Salt Brine	36	29	27
3-08	1/25/2016	7.338	Salt Brine	54	31	31
3-08	1/26/2016	4.4515	Salt Brine	18	25	31
3-08	1/31/2016	3.05	Salt Brine	18	27	25
5-09	1/12/2016	4.947	Salt Brine	54	30.1	14
5-09	1/15/2016	3.5055	Salt Brine	36	27.9	27
5-09	1/26/2016	5.2225	Salt Brine	54	29.8	31
6-13	1/4/2016	1.6082	Salt Brine	126.5	60	26
6-13	1/5/2016	0.89605	Salt Brine	5.2	3	27
6-13	1/7/2016	6.29145	Salt Brine	63.1	26	30
6-13	1/9/2016	8.42115	Salt Brine	63.2	25.2	24
6-13	1/10/2016	3.9715	Salt Brine	54	24	17
6-13	1/12/2016	2.33385	Salt Brine	54	9.4	7
6-13	1/25/2016	6.1856	Salt Brine	63.1	24.7	29
6-13	1/26/2016	8.7746	Salt Brine	75.4	35.6	29
6-13	1/27/2016	5.31945	Salt Brine	132.4	8.5	25
6-13	1/31/2016	4.486	Salt Brine	74	26	27
8	1/25/2016		Salt Brine	900	64	27
9-12	1/7/2016	2.903	Salt Brine	36	19	31
9-12	1/9/2016	3.4785	Salt Brine	36	22	31
9-12	1/10/2016	2.849	Salt Brine	54	20	19

9-12	1/12/2016	4.51	Salt Brine		36	28	14
9-12	1/15/2016	2.1035	Salt Brine		36	19	27
9-12	1/25/2016	5.3935	Salt Brine		52	23	32
9-12	26-Jan	3.7	Salt Brine		36	23	30
9-12	1/31/2016	2.1345	Salt Brine		18	21	25
30-06	1/25/2016		Salt Brine		925		27
6-13	2/2/2016	6.4791	Salt Brine		1	26.5	32
6-13	2/3/2016	1.2025	Salt Brine		16	7	29
6-13	2/4/2016	6.2875	Salt Brine		16	24.6	32
6-13	2/5/2016	0.48235	Salt			0.8	20
6-13	2/6/2016	0.90465	Salt			1.4	19
6-13	2/8/2016	5.93055	Salt Brine		16	23.7	27
6-13	2/9/2016	6.06545	Salt Brine		32	26.5	20
6-13	2/14/2016	4.9894	Salt Brine		32	22.8	20
6-13	2/15/2016	2.22865	Salt Brine		54	11.4	20
6-13	2/16/2016	0.14245	Salt			0.7	28
3-08	2/1/2016	3.7485	Salt Brine		63	19	31
3-08	2/2/2016	6.1715	Salt Brine		63	32	31
3-08	2/14/2016	4.511	Salt Brine		54	22	19
3-08	2/14/2016	2.978	Salt Brine		18	19	23
9-12	2/1/2016	3.7485	Salt			19	31
9-12	2/2/2016	6.1715	Salt Brine		54	32	31
9-12	2/14/2016	4.511	Salt Brine		54	22	19
9-12	2/15/2016	2.978	Salt Brine		18	19	23
5-09	2-Feb	7.2565	Salt Brine		54	39	31.4
5-09	2/3/2016	1.1175	Salt Brine		18	5.3	
5-09	2/4/2016	0.2375	Salt			0.5	
5-09	2/8/2016	2.7165	Salt Brine		54	23	31
5-09	2/9/2016	5.391	Salt Brine		18	25.6	30
5-09	2/15/2016	4.968	Salt Brine		36	26.3	20
8	2/12/2016		Salt Brine		950	30	20
30-06	2/12/2016		Salt Brine		970	25	20
3-08	3/1/2016	14.07	Salt Brine		90	67	30
3-08	3/4/2016	5.944	Salt Brine		54	29	31
3-08	3/23/2016	6.125	Salt			29.5	31
3-08	3/24/2016	3.3335	Salt			20	31
9-12	3/1/2016	9.0035	Salt Brine		54	45	31
9-12	3/23/2016	3.976	Salt			19	31
9-12	3/24/2016	2.7035	Salt			18	31
5-09	3/1/2016	8.468	Salt Brine		54	40	30
5-09	3/4/2016	5.5655	Salt Brine		54	25.5	31
5-09	3/24/2016	2.5335	Salt			15.6	31
6-13	3/1/2016	13.69265	Salt Brine		61.3	59.2	31
6-13	3/2/2016	4.30205	Salt			11.2	27
6-13	3/4/2016	5.7776	Salt Brine		25	25.4	31
6-13	3/23/2016	5.1005	Salt Brine		23	23.2	30
6-13	3/24/2016	3.82125	Salt Brine		16.5	20.5	31

8	3/4/2016		Salt Brine	1200	50	25
30-06	3/4/2016		Salt Brine	1400	56.4	25
TOTALS		358.3619		11441.7		

All vehicles that apply salt have tailgate spreaders.



CITY OF WAUPUN  
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2016 Annual Report under MS4 General Permit  
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**Storm Sewer System Map**

# City of Waupun - Storm Sewer Sytem Map



**Legend**

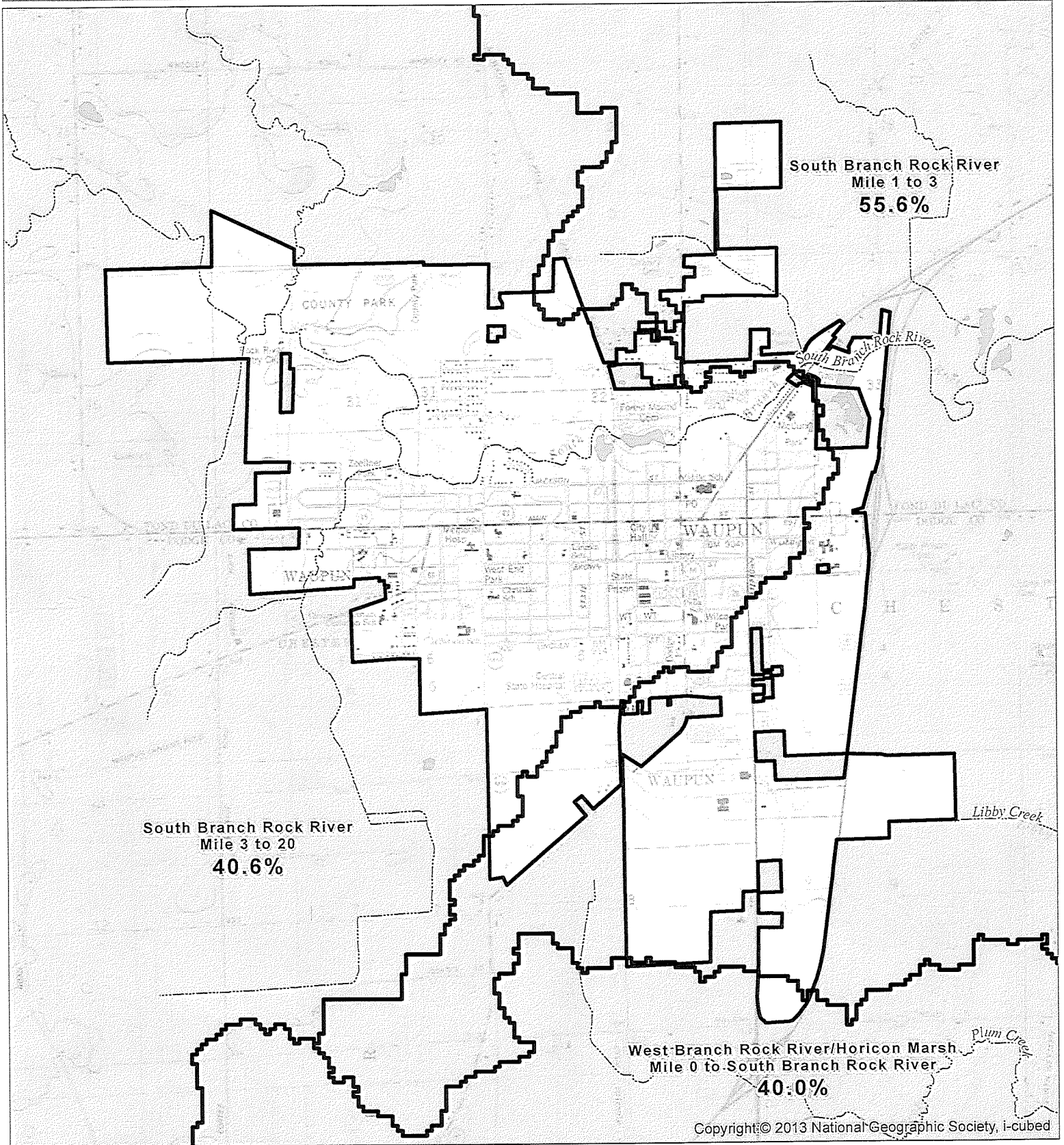
- Storm\_Inlets
- ◊ Storm\_Manholes
- ◊ Endwalls
- Outfalls
- storm\_lines





CITY OF WAUPUN  
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**TMDL Map**

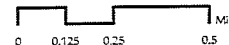
# ROCK RIVER TMDL WATERSHEDS

CITY OF WAUPUN  
DODGE AND FOND DU LAC COUNTIES, WISCONSIN



-  ROCK RIVER TMDL WATERSHED
-  WAUPUN CITY LIMITS
-  RIVER/STREAM
-  OPEN WATER

DATA SOURCES:  
MUNICIPAL BOUNDARY PROVIDED BY US CENSUS (2013).  
OPEN WATER AND RIVERS/STREAMS PROVIDED BY USGS (NHD).  
WATERSHEDS PROVIDED BY ROCK RIVER TMDL.  
TOPO DERIVED FROM USGS QUADRANGLES.



**MSA**  
PROFESSIONAL SERVICES