



2017 Annual Storm Water Report Summary

Storm Water Quality Management:

The Villages Stormwater Ordinance was updated in March of 2017. A final draft was submitted with last year's report and the adopted ordinance is available on the Village website.

Public Education and Outreach:

The Village of Mukwonago contracts with Waukesha County for public education and outreach.

Public Involvement and Participation:

Cleanup events were conducted by a girl scout troop and a church group in the spring at separate locations in the Village. A series of stormwater training sessions for Village staff was started in 2017 and is scheduled for completion in 2018. Village Board and Plan Commission members are updated through their perspective meetings.

The Village's website promotes programs and information through links to the County Program. Prior year's annual reports, the stormwater ordinance along with stormwater and erosion control requirements can also be found on the Village's Stormwater page.

The submission of the annual report is noted at a Village Board meeting and posted to the website under annual reports. Hard copies can be made available to the public upon request.

Pollution Prevention:

The Village passed a NO FEEDING OF WILDLIFE IN VILLAGE PARKS ordinance in July.

The Fox River Commission funded, and the Village administered a shoreline restoration project upstream of the dam on the Mukwonago River.

There is a total of 64 BMPs in the Village. The Village owns and operates 11 ponds and three vortechnic units. The Village owned ponds were inspected by staff. Six require maintenance, woody vegetation removal and a minimal amount of erosion and animal burrows. The three vortechnic style units are cleaned annually.



Village of Mukwonago Office of the Village Public Works Dept.

P.O. Box 206, 440 River Crest Court, Mukwonago, Wisconsin 53149
(262) 363-6447 Fax: (262)363-7197

www.villageofmukwonago.com

Four rounds of street sweeping occurred with a total of 113 tons of debris collected. 237 CBs were cleaned with seven tons of debris collected. (one fifth of the storm system).

The Village is a host site for Waukesha Counties Clean Sweep program.

Municipal Facility Inspections:

Four DPW yard inspections were conducted with no major issues to report. Corrective action was addressed during the inspections.

Training occurs as issues are resolved.

Leaf and Yard Waste Management:

The Village contracts with John Disposal Service INC. for yard waste collection. There are five events during the year with a total of 131 TONS collected. Street sweeping for leaf collection is conducted by staff on an as needed basis throughout the Village.

Winter Road Maintenance:

Thirty operations were conducted during the 17/18 season, 25 events required plowing and/or salting operations. Five were conducted as part of the anti-icing program.

1. 674 TONS of salt
2. 13,327 Gallons of salt brine or a combination of salt/beet juice brine was used for pre-wet or anti icing.

Illicit Discharge Detection and Elimination:

The Village system is divided into five zones and has a total of 83 outfalls. The priority outfalls and the outfalls in that years designated zone are inspected for illicit discharges. 23 inspections were conducted without a violation. Documentation for outfalls exhibiting flow and outfall ST272006 are attached to this year's report. Outfall ST272006 exhibited a flow with a high concentration of ammonia (.259) in 2016. During a reinspection in 2017, no flow was exhibited from this outfall.



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Construction Site Pollution Control:

The Village issued 6 erosion control permits in 2017, with a total of 10 active sites. Site greater than one Acre are inspected by the Village contracted engineering firm with Village staff inspecting sites less than an acre.

1. 116 inspections were completed.
2. 84 written reports contained issues or warnings for needed repairs.
3. Two notices of violations were issued.
4. One stop work order was issued.

Respectfully Submitted

Village of Mukwonago

Ron Bittner
Public Works Director/Weed Commissioner



P.O. BOX 329
WHITEWATER, WI 53190
262-473-4700 • Fax: 262-473-6775
www.johnsdisposal.com
email: office@johnsdisposal.com

DISPOSAL SERVICE, INC.

Hello,

Here are the 2017 Street Sweepings weights for the Village of Mukwonago that were dumped at Mallard Ridge Landfill.

Date	Tonnage
03/30/17	9.79
04/07/17	9.57
04/10/17	11.63
06/29/17	9.92
07/11/17	11.85
09/20/17	12.03
09/21/17	13.02
11/06/17	13.89
11/07/17	12.20
11/08/17	12.79
11/16/17	6.32

Thanks,

Johns Disposal

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Residential • Commercial • Industrial • Recycling • Refuse Disposal

ORDINANCE NO. 933

AN ORDINANCE TO AMEND SUBSECTIONS 58-31(b) AND 58-33(a)(4)b. AND CREATE SUBSECTIONS 58-33(a)(4)c. AND 58-33(b)(7) OF CHAPTER 58 OF THE MUKWONAGO MUNICIPAL CODE OF THE VILLAGE OF MUKWONAGO PERTAINING TO PARKS AND RECREATION

WHEREAS, the current hours of operation for swimming at the beach in Indianhead Park is a.m. to 9:00 p.m. from Memorial Day and Labor Day; and

WHEREAS, the current hours were established based on the use of lifeguards at the beach; and

WHEREAS, the Village no longer employs lifeguards at the beach meaning the current hours and time period of swimming at the beach may be expanded; and

WHEREAS, the current municipal code Sec. 58-33(a)(4)(b) allows "specially trained" dogs only in Field Park during Maxwell Street Days and Summerfeste weekend; and

WHEREAS, the United States Department of Justice Americans with Disabilities Act (ADA) has updated and amended certain definitions of the ADA; and

WHEREAS, the Village of Mukwonago Municipal Code Sec. 58-33(a)(4)(b) has not been amended or modified to reflect the changes made in the ADA; and

WHEREAS, the Village Board finds it to be in the best interests of the health, safety and welfare of citizens attending Maxwell Street Days and/or Summerfeste events in Field Park; and

WHEREAS, it has been well established that the feeding of wild animals and waterfowl is detrimental to the animals; and

WHEREAS, the feeding of wildlife and waterfowl causes a public health nuisance and safety hazard that is detrimental to the health and general welfare of the public; and

WHEREAS, the problems created by waterfowl within the village limits are increasing and negatively impacting the grassy areas and walkways in the park system; and

WHEREAS, the Village Board finds it to be in the best interests of the Village of Mukwonago that the feeding of wildlife and waterfowl be prohibited within public parks in the village limits; and

WHEREAS, the beach area of Indianhead Park is used extensively for swimming; and

WHEREAS, more people are fishing in the beach area; and

WHEREAS, the hooks can become snagged in weeds, causing the fishing line to break, leaving hooks in the water; and

WHEREAS, the Village Board finds it to be in the best interests of the health, safety and welfare of swimmers using the beach to prohibit fishing within the beach area of Indianhead Park; and

WHEREAS, the Health and Recreation Committee of the Village Board, meeting as the Committee of the Whole, at a regularly scheduled meeting of July 5, 2017 recommended to the Village Board that Chapter 58 of the Municipal Code be amended as provided herein.

NOW THEREFORE, the Village Board of the Village of Mukwonago, Waukesha and Walworth Counties do ordain as follows:

SECTION I. Section 58-31(b) of the Municipal Code of the Village of Mukwonago is amended to read as follows:

- (b) *Swimming areas; hours.* Hours for public swimming shall be from 9:00 a.m. until 9:00 p.m. of any one day, except that the director of public works or recreation director may close the swimming areas during inclement weather, where unsanitary water conditions exist, or for any special events. No person shall bathe or swim in the waters of a lake adjacent to the village limits between the hours of 10:00 p.m. and 6:00 a.m. No person shall jump, dive, swim or bathe from any highway bridge, footbridge, abutment or highway within the village limits or from the lands of the Wisconsin Electric Power Company located within the village limits.

SECTION II. Section 58-33(a)(4)b. of the Municipal Code of the Village of Mukwonago is amended to read as follows:

- b. It shall be unlawful for any person to bring or allow any dog into Field Park during those times known as "Maxwell Street Days" or "Summerfeste" unless such dog is a service dog as defined by the U.S. Department of Justice Americans with Disabilities Act (ADA).
1. **Service animals are defined as dogs that are individually trained to do work or perform tasks for people with disabilities.** Examples of such work or tasks include guiding people who are blind, alerting people who are deaf, pulling a wheelchair, alerting and protecting a person who is having a seizure, reminding a person with mental illness to take prescribed medications, calming a person with Post Traumatic Stress Disorder (PTSD) during an anxiety attack, or performing other duties. Service animals are working animals, not pets. The work or task a dog has been trained to provide must be directly related to the person's disability.
 2. Dogs whose sole function is to provide comfort or emotional support do not qualify as service animals under the ADA.
 3. **Under the ADA, service animals must be harnessed, leashed, or tethered, unless these devices interfere with the service animal's work or the individual's disability prevents using these devices.** In that case, the individual must maintain control of the animal through voice, signal, or other effective controls.
 4. When it is not obvious what service an animal provides, only limited inquiries are allowed.
 - i. Village Officers may ask two questions
 - (1) Is the dog a service animal required because of a disability, and
 - (2) What work or task has the dog been trained to perform.

- ii. Village Officers **cannot** do the following:
 - (1) Ask about the person's disability
 - (2) Require medical documentation.
 - (3) Require a special identification card or training documentation for the dog.
 - (4) Ask that the dog demonstrate its ability to perform the work or task.
- iii. Allergies and fear of dogs are not valid reasons for denying access to people using service animals.
- iv. A person with a disability cannot be asked to remove his service animal from the park unless the dog is out of control and the handler does not take effective action to control it.

SECTION III. Section 58-33(a)(4)c. of the Municipal Code of the Village of Mukwonago is created to read as follows:

- c. Feeding of wildlife in public parks is prohibited. No person shall feed or spread food for any wildlife in any public park in the Village of Mukwonago. "Wildlife" as used herein shall include any animal, which is nor normally domesticated, including but not limited to coyotes, deer, turkeys, feral cats, foxes, raccoons, skunks, and waterfowl.

SECTION IV. Section 58-33(b)(7) of the Municipal Code of the Village of Mukwonago is created to read as follows:

- (7) No fishing is allowed in the beach area of Indianhead Park at any time. For this section, the beach area will be considered the sand shore area and twenty-five (25) feet from the ends of the sand shore.

SECTION V: All Ordinances or parts of Ordinances contravening the terms and conditions of this Ordinance are hereby to that extent repealed.

SECTION VI: SEVERABILITY. The several sections of this ordinance are declared to be severable. If any section shall be declared by a Court of competent jurisdiction to be invalid, such decisions shall not affect the validity of other portions of the ordinance.

SECTION VII: EFFECTIVE DATE. This ordinance shall take effect upon publication.

Passed and adopted this 18th day of July, 2017.

Fred Winchowky, Village President

Attest:

Steven A. Braatz, Jr., Village Clerk

Date Adopted: July 18, 2017
Date Published: July 26, 2017
Date Effective: July 27, 2017

The Village of Mukwonago 2017 4th Quarter Recycling Report

Single Stream, Tons	Year Total	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
Paper	339.1	90.1	80.6	88.9	79.5
Cardboard	89.1	23.7	21.2	23.4	20.9
Glass	136.5	36.3	32.4	35.8	32.0
#1 Plastic	21.6	5.7	5.1	5.7	5.1
#2 Plastic	15.1	4.0	3.6	4.0	3.5
#3-7 Plastic	14.4	3.8	3.4	3.8	3.4
Rigid Plastic	7.2	1.9	1.7	1.9	1.7
Tin Cans	18.7	5.0	4.4	4.9	4.4
Al Cans	6.5	1.7	1.5	1.7	1.5
Single Stream Total	648	172	154	170	152
Recycled bulk Items					
Scrap Metal	23.1	5.1	4.4	10.2	3.3
Tires	4.9	1.1	0.9	2.2	0.7
Batteries	1.3	0.3	0.2	0.6	0.2
Drain Oil	0.4	0.1	0.1	0.2	0.1
Recycled bulk Items Total	29.7	6.6	5.6	13.2	4.3
Total Recyclables	678	179	160	183	156
Bulk Trash	245	57	55	105	28
Total Garbage**	2448	521	637	676	615

Population 7355

Year to date Lbs per capita recycled **184.3**
WI DNR requires 107 Lbs per year

Recycling Compliance	Year Total	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Warning Tags	45	14	13	13	5
Written Warnings	7	1	3	1	2

Yard Waste	Year Total	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
	131.03	0.00	23.71	20.50	86.82

**Total garbage weight includes weekly garbage, trash from monthly bulk and residual garbage removed from recyclables.

Report completed by:

Johns Disposal Service, Inc.
PO Box 329
Whitewater, WI 53190
262 473 4700



2017/18 Snow Event/Salt Usage

Date	12/9	12/11	12/13	12/14	12/24	12/25	12/28	12/29 AM	12/29 PM	12/30	1/3	1/10	1/15	1/18	1/23	1/24	1/29	2/4	2/6
Snow (Inches)	2	<1	<1	<1	<1	1	<1	<1	<1	<1	1		5	DRIFTS	5		22	7	2
Temp (F)	28	23	23	19	19	9	9	14	13	10	12	33			28	25	10	13	9
Wind Speed (MPH)	15	CALM	9			10-Jan	8	7		15	11							10	7
Wind Direction	N		SSE			W	SSW	W		NW	NW							NE	W
Ice																			
Salt Used (Tons)	46.5	19.1	13.5	3.3	43.6	31	29	30.4	32.8	26.8	25	18.6	57.2	1.75	39.4	2	4.2	76.1	39.5
Salt Brine Used (Gallons)	262	135	51	32	242	157	200	112	177	172	150	128	352	0	229	30	4	629	300
Salt Intersections/No Plowing				X												X			
Salt all Roads/No Plowing							X												
Salt all Roads/Plowing								X											
Salt Intersections W/Plowing																			
Salt Intersections & Main W/Plowing						X							X						
Salt all Roads W/Plowing																			
Plow & Salt As Needed										X	X								X
Multiple Salt Application & Plowing																			
Other																			

Date	2/7	2/9	2/10	2/11	3/6
Snow (Inches)	2	6	<1	5	3
Temp (F)	13	18	17	14	
Wind Speed (MPH)	5	Calm	5		
Wind Direction	N		NW		
Ice					
Salt Used (Tons)	25.4	35	2.2	29	23.3
Salt Brine Used (Gallons)	194	274	21	243	240
Salt Intersections/No Plowing					
Salt all Roads/No Plowing					
Salt all Roads/Plowing					
Salt Intersections W/Plowing					
Salt Intersections & Main W/Plowing					
Plow & Salt As Needed					
Multiple Salt Application & Plowing					
Other					

STORM WATER POLLUTION PREVENTION PLAN (SWPPP) INSPECTION FORM FOR MUNICIPAL FACILITIES

Site:	Village of Mukwonago DPW Shop and Yard
Location:	630 CTH NN East Mukwonago, WI 53149
Inspector/Title:	Mike Jambretz Crewperson
Date:	4/10/17
Last Inspection (Date):	12/1/16

Storm Water Pollution Prevention Plan

Has a storm water pollution prevention plan been developed for this site? Yes No

Title of Plan: Village of Mukwonago SWPPP for Municipal Facilities

Date of Plan: April 2016

Does the SWPP include a site map, list of pollutant sources, pollutant control practices to be inspected, and maintenance procedures? Yes No

(Indicate any items that are *not* included):

Vehicle Maintenance, Washing and Fueling

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Vehicle maintenance area drains to sanitary sewer system	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Vehicle maintenance area has oil-grease separator in floor drains	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
3	Floor drains are clean	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
4	Vehicle washing completed inside building	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
5	Vehicle washing drains to sanitary system	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
6	Vehicle fueling center has canopy/cover	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
7	Vehicle fueling center has clearly labeled spill kit nearby	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
8	Vehicle fueling center has oil-grease separators in nearby storm drains	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	

Hazardous Waste Management

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Hazardous materials and containers are stored indoors	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Containers of hazardous materials are in good condition	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Waste Management

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Dumpsters are covered	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Full dumpsters are hauled out on a regular basis	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
3	Piles of miscellaneous debris are sorted and disposed of on a regular basis	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
4	Street sweepings are covered	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
5	Street sweepings are stored in containers or have barriers or perimeter controls to minimize runoff impacts	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Material Storage

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Runoff from bulk storage is contained on low side by barriers, bays or other perimeter controls	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Bulk storage piles are stabilized/vegetated	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
3	Materials stored under cover/inside buildings	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
4	Area near salt shed is clear of excess/spilled/tracked salt	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

5	Excess/spilled/tracked salt is swept up and added to bulk salt pile	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
6	Underground runoff containment is emptied on a regular basis	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Old salt/sand shed cleaned as needed

Runoff Controls

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Grass filter strips have at least 70% uniform vegetation growth	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
2	Grass filter strips typically have 6 inches or more of vegetation	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
3	Storm water pond inlets/outlets are stable	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
4	Storm water berms are vegetated	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
5	Storm water pond berms are stable (no erosion, tree roots or animal boroughs)	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
6	Infiltration basins/rain gardens have at least 70% plant growth	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
7	Infiltration basins/rain gardens are maintained regularly, and in the spring and fall	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
8	Infiltration basins/rain gardens drain down within 24 hours (<i>based on post-rain event observations</i>)	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	

Spills Program

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Written program is available for employees	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Employees know where written program is located	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
3	Written program is evaluated annually	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Employee Training

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
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1	New employees are trained on SWPPP	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Annual or more frequent training provided to employees on SWPPP	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

	Recommendations/Correction	Completed On (Date)	Initials
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

STORM WATER POLLUTION PREVENTION PLAN (SWPPP) INSPECTION FORM FOR MUNICIPAL FACILITIES

Site:	Village of Mukwonago DPW Shop and Yard
Location:	630 CTH NN East Mukwonago, WI 53149
Inspector/Title:	Mike Jambretz Crewperson
Date:	6/15/17
Last Inspection (Date):	4/10/17

Storm Water Pollution Prevention Plan

Has a storm water pollution prevention plan been developed for this site? Yes No

Title of Plan: Village of Mukwonago SWPPP for Municipal Facilities

Date of Plan: April 2016

Does the SWPP include a site map, list of pollutant sources, pollutant control practices to be inspected, and maintenance procedures? Yes No

(Indicate any items that are *not* included):

Vehicle Maintenance, Washing and Fueling

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Vehicle maintenance area drains to sanitary sewer system	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Vehicle maintenance area has oil-grease separator in floor drains	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
3	Floor drains are clean	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
4	Vehicle washing completed inside building	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
5	Vehicle washing drains to sanitary system	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
6	Vehicle fueling center has canopy/cover	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
7	Vehicle fueling center has clearly labeled spill kit nearby	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
8	Vehicle fueling center has oil-grease separators in nearby storm drains	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	

Hazardous Waste Management

Activity/Practice		Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Hazardous materials and containers are stored indoors	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Containers of hazardous materials are in good condition	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Waste Management

Activity/Practice		Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Dumpsters are covered	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Full dumpsters are hauled out on a regular basis	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
3	Piles of miscellaneous debris are sorted and disposed of on a regular basis	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
4	Street sweepings are covered	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
5	Street sweepings are stored in containers or have barriers or perimeter controls to minimize runoff impacts	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Material Storage

Activity/Practice		Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Runoff from bulk storage is contained on low side by barriers, bays or other perimeter controls	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Bulk storage piles are stabilized/vegetated	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
3	Materials stored under cover/inside buildings	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
4	Area near salt shed is clear of excess/spilled/tracked salt	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

5	Excess/spilled/tracked salt is swept up and added to bulk salt pile	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
6	Underground runoff containment is emptied on a regular basis	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Old salt/sand shed cleaned as needed

Runoff Controls

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Grass filter strips have at least 70% uniform vegetation growth	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
2	Grass filter strips typically have 6 inches or more of vegetation	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
3	Storm water pond inlets/outlets are stable	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
4	Storm water berms are vegetated	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
5	Storm water pond berms are stable (no erosion, tree roots or animal boroughs)	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
6	Infiltration basins/rain gardens have at least 70% plant growth	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
7	Infiltration basins/rain gardens are maintained regularly, and in the spring and fall	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
8	Infiltration basins/rain gardens drain down within 24 hours (<i>based on post-rain event observations</i>)	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	

Spills Program

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Written program is available for employees	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Employees know where written program is located	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
3	Written program is evaluated annually	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Employee Training

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
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1	New employees are trained on SWPPP	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Annual or more frequent training provided to employees on SWPPP	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

	Recommendations/Correction	Completed On (Date)	Initials
1			
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STORM WATER POLLUTION PREVENTION PLAN (SWPPP) INSPECTION FORM FOR MUNICIPAL FACILITIES

Site:	Village of Mukwonago DPW Shop and Yard
Location:	630 CTH NN East Mukwonago, WI 53149
Inspector/Title:	Mike Jambretz / Crewperson
Date:	9/1/17
Last Inspection (Date):	6/15/17

Storm Water Pollution Prevention Plan

Has a storm water pollution prevention plan been developed for this site? Yes No

Title of Plan: Village of Mukwonago SWPPP for Municipal Facilities

Date of Plan: April 2016

Does the SWPP include a site map, list of pollutant sources, pollutant control practices to be inspected, and maintenance procedures? Yes No

(Indicate any items that are *not* included):

Vehicle Maintenance, Washing and Fueling

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Vehicle maintenance area drains to sanitary sewer system	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Vehicle maintenance area has oil-grease separator in floor drains	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
3	Floor drains are clean	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
4	Vehicle washing completed inside building	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
5	Vehicle washing drains to sanitary system	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
6	Vehicle fueling center has canopy/cover	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
7	Vehicle fueling center has clearly labeled spill kit nearby	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
8	Vehicle fueling center has oil-grease separators in nearby storm drains	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	

Hazardous Waste Management

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Hazardous materials and containers are stored indoors	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Containers of hazardous materials are in good condition	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Waste Management

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Dumpsters are covered	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Full dumpsters are hauled out on a regular basis	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
3	Piles of miscellaneous debris are sorted and disposed of on a regular basis	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
4	Street sweepings are covered	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
5	Street sweepings are stored in containers or have barriers or perimeter controls to minimize runoff impacts	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Material Storage

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Runoff from bulk storage is contained on low side by barriers, bays or other perimeter controls	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Bulk storage piles are stabilized/vegetated	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
3	Materials stored under cover/inside buildings	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
4	Area near salt shed is clear of excess/spilled/tracked salt	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

5	Excess/spilled/tracked salt is swept up and added to bulk salt pile	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
6	Underground runoff containment is emptied on a regular basis	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Old salt/sand shed cleaned as needed

Runoff Controls

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Grass filter strips have at least 70% uniform vegetation growth	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
2	Grass filter strips typically have 6 inches or more of vegetation	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
3	Storm water pond inlets/outlets are stable	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
4	Storm water berms are vegetated	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
5	Storm water pond berms are stable (no erosion, tree roots or animal boroughs)	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
6	Infiltration basins/rain gardens have at least 70% plant growth	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
7	Infiltration basins/rain gardens are maintained regularly, and in the spring and fall	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
8	Infiltration basins/rain gardens drain down within 24 hours (<i>based on post-rain event observations</i>)	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	

Spills Program

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Written program is available for employees	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Employees know where written program is located	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
3	Written program is evaluated annually	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Employee Training

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
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1	New employees are trained on SWPPP	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Annual or more frequent training provided to employees on SWPPP	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

	Recommendations/Correction	Completed On (Date)	Initials
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STORM WATER POLLUTION PREVENTION PLAN (SWPPP) INSPECTION FORM FOR MUNICIPAL FACILITIES

Site:	Village of Mukwonago DPW Shop and Yard
Location:	630 CTH NN East Mukwonago, WI 53149
Inspector/Title:	Mike Jambretz / Crewperson
Date:	12/1/17
Last Inspection (Date):	09/1/17

Storm Water Pollution Prevention Plan

Has a storm water pollution prevention plan been developed for this site? Yes No

Title of Plan: Village of Mukwonago SWPPP for Municipal Facilities

Date of Plan: April 2016

Does the SWPP include a site map, list of pollutant sources, pollutant control practices to be inspected, and maintenance procedures? Yes No

(Indicate any items that are *not* included):

Vehicle Maintenance, Washing and Fueling

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Vehicle maintenance area drains to sanitary sewer system	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Vehicle maintenance area has oil-grease separator in floor drains	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
3	Floor drains are clean	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
4	Vehicle washing completed inside building	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
5	Vehicle washing drains to sanitary system	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
6	Vehicle fueling center has canopy/cover	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
7	Vehicle fueling center has clearly labeled spill kit nearby	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
8	Vehicle fueling center has oil-grease separators in nearby storm drains	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	

Hazardous Waste Management

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Hazardous materials and containers are stored indoors	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Containers of hazardous materials are in good condition	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Waste Management

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Dumpsters are covered	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Full dumpsters are hauled out on a regular basis	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
3	Piles of miscellaneous debris are sorted and disposed of on a regular basis	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
4	Street sweepings are covered	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
5	Street sweepings are stored in containers or have barriers or perimeter controls to minimize runoff impacts	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Material Storage

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Runoff from bulk storage is contained on low side by barriers, bays or other perimeter controls	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Bulk storage piles are stabilized/vegetated	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
3	Materials stored under cover/inside buildings	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
4	Area near salt shed is clear of excess/spilled/tracked salt	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

5	Excess/spilled/tracked salt is swept up and added to bulk salt pile	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
6	Underground runoff containment is emptied on a regular basis	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Old salt/sand shed cleaned as needed

Runoff Controls

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Grass filter strips have at least 70% uniform vegetation growth	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
2	Grass filter strips typically have 6 inches or more of vegetation	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
3	Storm water pond inlets/outlets are stable	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
4	Storm water berms are vegetated	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
5	Storm water pond berms are stable (no erosion, tree roots or animal boroughs)	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
6	Infiltration basins/rain gardens have at least 70% plant growth	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
7	Infiltration basins/rain gardens are maintained regularly, and in the spring and fall	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
8	Infiltration basins/rain gardens drain down within 24 hours (<i>based on post-rain event observations</i>)	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	

Spills Program

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
1	Written program is available for employees	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Employees know where written program is located	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
3	Written program is evaluated annually	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Employee Training

	Activity/Practice	Inspected?	Activity/ Practice Adequate?	Corrective Action Needed & Notes
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1	New employees are trained on SWPPP	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
2	Annual or more frequent training provided to employees on SWPPP	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

	Recommendations/Correction	Completed On (Date)	Initials
1			
2			
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ILLICIT DISCHARGE FIELD SCREENING SHEET

SECTION 1: BACKGROUND DATA

Subwatershed: Mukwonago	Outfall ID: ST363008
Today's date:	Time (Military): 9/18/2017
Investigators: Ron Biltner & Justin Noe	Form completed by: Justin
Temperature (°F): 76	Rainfall (in.): Last 24 hours: 0.0 Last 48 hours: 0.0
Nearest Intersection / Location: West termini of Dewey Dr.	
Photo #s:	Land use in drainage area: Industrial
Notes (e.g., origin of outfall, if known):	

SECTION 2: OUTFALL DESCRIPTION

Location	Material	Shape	Dimensions (in.)	Submerged
<input checked="" type="checkbox"/> Closed Pipe <input type="checkbox"/> Open Drainage	Concrete	Round	48	No
Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>If No, Skip to Section 5</i>			
Flow Description	<input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

SECTION 3: QUANTITATIVE CHARACTERIZATION

Flow Depth (ft)	Flow Width (ft)	Measured Length (ft)	Time of Travel (sec)	Volume (cu ft)	Time To Fill (sec)	Temperature (F)	pH	Ammonia (PPM)
						65	7.0	0.0

SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY

Is Any Physical Indicator Present in the flow? YES NO

SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING OUTFALL

Are Any Physical Indicators that are not related to flow present? YES NO

INDICATOR	DESCRIPTION	INDICATOR	DESCRIPTION
<input type="checkbox"/> Odor	<input type="checkbox"/> Sewage <input type="checkbox"/> Rancid/Sour <input type="checkbox"/> Petroleum/Gas <input type="checkbox"/> Sulfide <input type="checkbox"/> Other: _____	<input type="checkbox"/> Outfall Damage	<input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Peeling Paint
<input type="checkbox"/> Color	<input type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other: _____	<input type="checkbox"/> Deposits/Stains	<input type="checkbox"/> Oily <input type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other: _____
<input type="checkbox"/> Turbidity	<input type="checkbox"/> 1 - Slight Cloudiness <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque	<input type="checkbox"/> Abnormal Vegetation	<input type="checkbox"/> Excessive <input type="checkbox"/> Inhibited
<input type="checkbox"/> Floatables	<input type="checkbox"/> Sewage (Toilet Paper, Etc.) <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (Oil Sheen) <input type="checkbox"/> Other: _____	<input type="checkbox"/> Poor Pool Quality	<input type="checkbox"/> Odors <input type="checkbox"/> Suds <input type="checkbox"/> Floatables <input type="checkbox"/> Yellow <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other: _____

SECTION 6: DATA COLLECTION

1. Sample for the lab?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow <input type="checkbox"/> Pool
3. Samples Taken:	<input checked="" type="checkbox"/> Copper (mg/l) 0.00 <input checked="" type="checkbox"/> Phenols Chemical <input type="checkbox"/> Surfactants <input checked="" type="checkbox"/> Detergents (mg/l) 0.00 <input type="checkbox"/> Potassium (mg/l) <input type="checkbox"/> Ecol <input checked="" type="checkbox"/> Chlorine 0.00 <input type="checkbox"/> Coliform

SECTION 7: COMMENTS OR OTHER CONCERNS (e.g., trash or needed infrastructure repairs)?



ILLICIT DISCHARGE FIELD SCREENING SHEET

SECTION 1: BACKGROUND DATA

Subwatershed: Mukwonago		Outfall ID: ST272006	
Today's date:		Time (Military): 2/15/2018	
Investigators: Ron Bittner		Form completed by: Ron	
Temperature (°F): 73	Rainfall (in.): Last 24 hours: 0.0 Last 48 hours: 0.0		
Nearest Intersection / Location: 517 Valhalla Dr.			
Photo #s:		Land use in drainage area: Single Family	
Notes (e.g., origin of outfall, if known):			

SECTION 2: OUTFALL DESCRIPTION

Location	Material	Shape	Dimensions (in.)	Submerged
<input checked="" type="checkbox"/> Closed Pipe <input type="checkbox"/> Open Drainage	Concrete	Round	42	No
Flow Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If No, Skip to Section 5</i>			
Flow Description	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

SECTION 3: QUANTITATIVE CHARACTERIZATION

Flow Depth (ft)	Flow Width (ft)	Measured Length (ft)	Time of Travel (sec)	Volume (cu ft)	Time To Fill (sec)	Temperature (F)	pH	Ammonia (PPM)

SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY	SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING OUTFALL		
Is Any Physical Indicator Present in the flow? <input type="checkbox"/> YES <input type="checkbox"/> NO	Are Any Physical Indicators that are not related to flow present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
INDICATOR	DESCRIPTION	INDICATOR	DESCRIPTION
<input type="checkbox"/> Odor	<input type="checkbox"/> Sewage <input type="checkbox"/> Rancid/Sour <input type="checkbox"/> Petroleum/Gas <input type="checkbox"/> Sulfide <input type="checkbox"/> Other : _____	<input type="checkbox"/> Outfall Damage	<input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Peeling Paint
<input type="checkbox"/> Color	<input type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other: _____	<input type="checkbox"/> Deposits/Stains	<input type="checkbox"/> Oily <input type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other: _____
<input type="checkbox"/> Turbidity	<input type="checkbox"/> 1 - Slight Cloudiness <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque	<input type="checkbox"/> Abnormal Vegetation	<input type="checkbox"/> Excessive <input type="checkbox"/> Inhibited
<input type="checkbox"/> Floatables	<input type="checkbox"/> Sewage (Toilet Paper, Etc.) <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (Oil Sheen) <input type="checkbox"/> Other : _____	<input type="checkbox"/> Poor Pool Quality	<input type="checkbox"/> Odors <input type="checkbox"/> Suds <input type="checkbox"/> Floatables <input type="checkbox"/> Yellow <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other: _____

SECTION 6: DATA COLLECTION

1. Sample for the lab?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow <input type="checkbox"/> Pool
3. Samples Taken:	<input type="checkbox"/> Copper (mg/l) <input type="checkbox"/> Phenols <input type="checkbox"/> Surfactants <input type="checkbox"/> Detergents (mg/l) <input type="checkbox"/> Potassium (mg/l) <input type="checkbox"/> Ecoli <input type="checkbox"/> Chlorine <input type="checkbox"/> Coliform

SECTION 7: COMMENTS OR OTHER CONCERNS (e.g., trash or needed infrastructure repairs)?

2017 Inspection Notes

2017 was a follow up inspection from a high ammonia reading from 2016. No flow was observed from outfall ST272006 or 4 in PVC pipe in the CB located at 520 Brockway Dr.

2018 Inspection Notes

Original Ammonia test sample from inlet to storm structure #5 a pond located in Minors 2 subdivision on 11/7/16. Two tests were run on this sample. The first reading was 0.157, the second was 0.139.



**VILLAGE OF MUKWONAGO
ILLICIT DISCHARGE FIELD SCREENING SHEET**

2017 Inspection Notes

2017 was a follow up inspection from a high ammonia reading from 2016.

No flow was observed from outfall ST272006 or 4 in PVC pipe in the CB located at 520 Brockway Dr.

2016 Inspection Notes

Original Ammonia test sample from inlet to storm structure #5 a pond located in Minors 2 subdivision on 11/7/16. Two tests were run on this sample. The first reading was 0.157, the second was 0.139.

On 11/11/16 the flow was tracked to a CB approximately 600 FT. north of the out fall. A four inch PVC pipe extended into the CB with a constant trickle and a surge flow consistent with a sump pump discharge from 520 Brockway Dr... A ammonia sample directly from the of the pipe read 0.235

On 11/14/16 we tested a sample directly from the sump crock located at 520 Brockway Dr. with a reading of 0.223. The resident had a dehumidifier draining directly onto the crock. No other connections were noticed at that time.

Staff tried to contact the resident on various occasions in December, with no results. It appears the resident may have gone south for the season.

On 12/28/16 a sample was tested directly from the 4 inch PVC pipe in the catch basin.

Ammonia 0.259
Phenol 0.0
Copper 0.0
Ph 7.0
Detergent 0.0
Fluoride 0.2
Chlorine 0.0

Ammonia and Fluoride tests were conducted at the Village of Mukwonago WWTP.

ILLICIT DISCHARGE FIELD SCREENING SHEET

SECTION 1: BACKGROUND DATA

Subwatershed: Mukwonago River		Outfall ID: GSOF004	
Today's date:		Time (Military): 9/18/2017	
Investigators: Ron Bittner		Form completed by: Ron	
Temperature (°F): 76	Rainfall (in.): Last 24 hours: 0.0 Last 48 hours: 0.0		
Nearest Intersection / Location: North of Swan Dr. on Holz Parkway			
Photo #s:		Land use in drainage area: Industrial	
Notes (e.g., origin of outfall, if known):			

SECTION 2: OUTFALL DESCRIPTION

Location	Material	Shape	Dimensions (In.)	Submerged
<input type="checkbox"/> Closed Pipe <input checked="" type="checkbox"/> Open Drainage				No
Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>If No, Skip to Section 5</i>		
Flow Description	<input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

SECTION 3: QUANTITATIVE CHARACTERIZATION

Flow Depth (ft)	Flow Width (ft)	Measured Length (ft)	Time of Travel (sec)	Volume (cu ft)	Time To Fill (sec)	Temperature (F)	pH	Ammonia (PPM)
						65	7.0	0.0

SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY	SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING OUTFALL		
Is Any Physical Indicator Present in the flow? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Are Any Physical Indicators that are not related to flow present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
INDICATOR	DESCRIPTION	INDICATOR	DESCRIPTION
<input type="checkbox"/> Odor	<input type="checkbox"/> Sewage <input type="checkbox"/> Rancid/Sour <input type="checkbox"/> Petroleum/Gas <input type="checkbox"/> Sulfide <input type="checkbox"/> Other : _____	<input type="checkbox"/> Outfall Damage	<input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Peeling Paint
<input type="checkbox"/> Color	<input type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other: _____	<input type="checkbox"/> Deposits/Stains	<input type="checkbox"/> Oily <input type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other: _____
<input type="checkbox"/> Turbidity	<input type="checkbox"/> 1 - Slight Cloudiness <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque	<input checked="" type="checkbox"/> Abnormal Vegetation	<input type="checkbox"/> Excessive <input checked="" type="checkbox"/> Inhibited
<input type="checkbox"/> Floatables	<input type="checkbox"/> Sewage (Toilet Paper, Etc.) <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (Oil Sheen) <input type="checkbox"/> Other : _____	<input type="checkbox"/> Poor Pool Quality	<input type="checkbox"/> Odors <input type="checkbox"/> Suds <input type="checkbox"/> Floatables <input type="checkbox"/> Yellow <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other: _____

SECTION 6: DATA COLLECTION

1. Sample for the lab?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2. If yes, collected from:	<input checked="" type="checkbox"/> Flow <input type="checkbox"/> Pool
3. Samples Taken:	<input checked="" type="checkbox"/> Copper (mg/l) 0.00 <input checked="" type="checkbox"/> Phenols Chemical <input type="checkbox"/> Surfactants <input checked="" type="checkbox"/> Detergents (mg/l) 0.00 <input type="checkbox"/> Potassium (mg/l) <input type="checkbox"/> Ecoli <input checked="" type="checkbox"/> Chlorine 0.00 <input type="checkbox"/> Coliform

SECTION 7: COMMENTS OR OTHER CONCERNS (e.g., trash or needed infrastructure repairs)?



Outfall of culvert passing under road.

ILLICIT DISCHARGE FIELD SCREENING SHEET

SECTION 1: BACKGROUND DATA

Subwatershed: Mukwonago River		Outfall ID: ST252001	
Today's date:		Time (Military): 2/15/2018	
Investigators: Ron Bittner & Justin Noe		Form completed by: Justin	
Temperature (°F): 76	Rainfall (in.): Last 24 hours: 0.0 Last 48 hours: 0.0		
Nearest Intersection / Location: Perkins Dr. & Mckenzie Dr.			
Photo #s:		Land use in drainage area: Industrial, commercial, institutional & residential	
Notes (e.g., origin of outfall, if known):			

SECTION 2: OUTFALL DESCRIPTION

Location	Material	Shape	Dimensions (In.)	Submerged
<input checked="" type="checkbox"/> Closed Pipe <input type="checkbox"/> Open Drainage	Concrete	Elliptical	48	No
Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>If No, Skip to Section 5</i>			
Flow Description	<input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

SECTION 3: QUANTITATIVE CHARACTERIZATION

Flow Depth (ft)	Flow Width (ft)	Measured Length (ft)	Time of Travel (sec)	Volume (cu ft)	Time To Fill (sec)	Temperature (F)	pH	Ammonia (PPM)
						68	7.0	0.1

SECTION 4: PHYSICAL INDICATORS FOR FLOWING OUTFALLS ONLY	SECTION 5: PHYSICAL INDICATORS FOR BOTH FLOWING AND NON-FLOWING OUTFALL
Is Any Physical Indicator Present in the flow? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Are Any Physical Indicators that are not related to flow present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
INDICATOR	INDICATOR
DESCRIPTION	DESCRIPTION
<input type="checkbox"/> Odor <input type="checkbox"/> Sewage <input type="checkbox"/> Rancid/Sour <input type="checkbox"/> Petroleum/Gas <input type="checkbox"/> Sulfide <input type="checkbox"/> Other : _____	<input type="checkbox"/> Outfall Damage <input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Peeling Paint
<input type="checkbox"/> Color <input type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other: _____	<input type="checkbox"/> Deposits/Stains <input type="checkbox"/> Oily <input type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other: _____
<input type="checkbox"/> Turbidity <input type="checkbox"/> 1 - Slight Cloudiness <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque	<input checked="" type="checkbox"/> Abnormal Vegetation <input type="checkbox"/> Excessive <input checked="" type="checkbox"/> Inhibited
<input type="checkbox"/> Floatables <input type="checkbox"/> Sewage (Toilet Paper, Etc.) <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (Oil Sheen) <input type="checkbox"/> Other : _____	<input type="checkbox"/> Poor Pool Quality <input type="checkbox"/> Odors <input type="checkbox"/> Suds <input type="checkbox"/> Floatables <input type="checkbox"/> Yellow <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other: _____

SECTION 6: DATA COLLECTION

1. Sample for the lab?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
2. If yes, collected from:	<input type="checkbox"/> Flow	<input type="checkbox"/> Pool	
3. Samples Taken:	<input checked="" type="checkbox"/> Copper (mg/l) 0.00	<input checked="" type="checkbox"/> Phenols Chemical	<input type="checkbox"/> Surfactants
	<input checked="" type="checkbox"/> Potassium (mg/l)	<input type="checkbox"/> Ecoli	<input checked="" type="checkbox"/> Detergents (mg/l) 0.00
	<input checked="" type="checkbox"/> Chlorine 0.00	<input type="checkbox"/> Coliform	

SECTION 7: COMMENTS OR OTHER CONCERNS (e.g., trash or needed infrastructure repairs)?



Outfall of culvert passing under Holz Pkwy...

STORMWATER POND INSPECTION

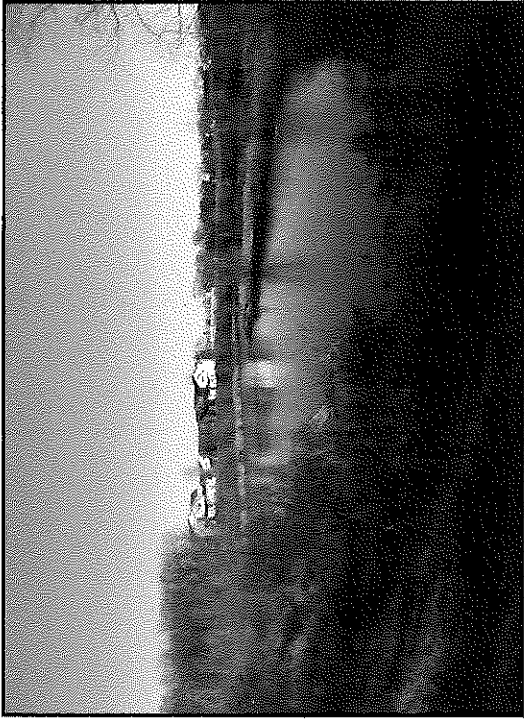
Pond Information							
Pond ID:	0005	Pond Type:	Wet Pond				
Location:	East Veterans Way, West of Hawks Ridge Condos						
Subdivision:	Village Owned	Watershed:	Fox				
Capacity:		Acres:					
Overflow Elev:		100 Year Elev:					
Year Constructed:		Date Input:					
Water Quality:		Private:					
Inspection Details							
Inspector Name(s):	Ron Bittner						
Inspection Date:	12/6/2017	Start Time:	13:00	End Time:	15:00		
Weather Condition:	Sunny 32 F			Last Rainfall Date:	12/4/2017		
Issue	Checked			Maintenance Needed			Comments
	Y	N	N/A	Y	N	N/A	
Dry Pond							
1. Standing water or wet spots?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Sediment or trash accumulation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Low flow channels unobstructed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Wet Pond							
1. Removal of floating debris required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Visible oil/chemical presence?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Evidence of wave action?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Safety shelf erosion or failure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Infiltration Basin							
1. Standing water or wet spots?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Sediment or trash accumulation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Under drain functioning?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

STORMWATER POND INSPECTION

Issue	Checked			Maintenance Needed			Comments
	Y	N	N/A	Y	N	N/A	
Vegetation							
1. Adequate vegetation cover?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Appropriate vegetation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Presence of invasive or undesirable vegetation/woody growth?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Woody vegetation needs to be removed from berm and pond perimeter.
4. Excessive nuisance aquatic vegetation present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Sediment Forebays							
1. Is sediment accumulation >50%? If yes, then maintenance is needed immediately.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Evidence of excessive velocity/scour?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Maintenance access clear of obstructions?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Removal of woody vegetation
4. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Embankment & Emergency Spillway							
1. Is the spillway level?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Adequate Freeboard? (min 1' from top of bank to highest outlet)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Embankment erosion evident?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Cracking, bulging or sliding of embankment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Evidence of animal burrows?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Animal burrows visible in seperallon berm to the main pond. Issue will be addressed in spring
6. Seepage evident on exterior face of embankment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7. Vertical & horizontal alignment of top of dam as per plans?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. Emergency spillway clear of obstructions & debris?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remove woody vegetation
9. Maintenance access clear of obstruction?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
10. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

STORMWATER POND INSPECTION

Issue	Checked			Maintenance Needed			Comments
	Y	N	N/A	Y	N	N/A	
Riser & Outfall Spillway							
1. Low flow orifice obstructed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Low flow trash rack debris/corrosion?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Weir trash rack debris/corrosion?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Excessive sediment accumulation inside the riser?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Sediment accumulation in outlet pipe?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. Outfall channels functioning?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Under drain functioning?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. Slope protection or rip-rap failures?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Other							
1. Encroachments on pond or easement area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Complaints from residents?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Odor?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Mowing required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	add to the mowing schedule starting 2018
5. Graffiti removal needed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. Insects in excess?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Public hazards?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Summary:	Woody vegetation needs attention. Due to pond design, mechanical removal is limited requiring hand work.						
Inspector Remarks:	The village engineer is working on a construction grant to increase pond capacity and address issues raised by the state from the current outfall structure.						



2/14/2018 12:00:00 AM - A View of the Pond



1/1/1900 12:00:00 AM -



1/1/1900 12:00:00 AM - Emergency spillway on the east side of the pond



1/1/1900 12:00:00 AM - Outfall on the east side of the pond



1/1/1900 12:00:00 AM - Inlet on the southwest side of the pond



12/16/2017 12:00:00 AM - Animal burrows on the forebay berm



12/16/2017 12:00:00 AM - Inlet on the east end of the pond

STORMWATER POND INSPECTION

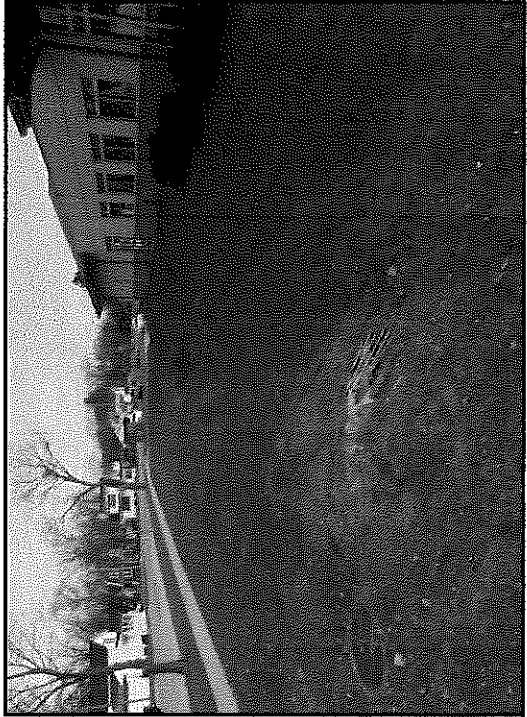
Pond Information							
Pond ID:	MV 0063	Pond Type:	Infiltration Basin				
Location:							
Subdivision:		Watershed:	Mukwonago				
Capacity:		Acres:					
Overflow Elev:		100 Year Elev:					
Year Constructed:		Date Input:					
Water Quality:		Private:					
Inspection Details							
Inspector Name(s):	Ron Bittner						
Inspection Date:	12/1/2017	Start Time:	13:13	End Time:	13:17		
Weather Condition:	Cloudy 48F			Last Rainfall Date:	11/18/2017		
Issue	Checked			Maintenance Needed			Comments
	Y	N	N/A	Y	N	N/A	
Dry Pond							
1. Standing water or wet spots?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Sediment or trash accumulation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Low flow channels unobstructed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Wet Pond							
1. Removal of floating debris required?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Visible oil/chemical presence?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Evidence of wave action?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Safety shelf erosion or failure?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Infiltration Basin							
1. Standing water or wet spots?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Sediment or trash accumulation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Under drain functioning?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

STORMWATER POND INSPECTION

Issue	Checked			Maintenance Needed			Comments
	Y	N	N/A	Y	N	N/A	
Vegetation							
1. Adequate vegetation cover?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Appropriate vegetation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Replanting of native speices required
3. Presence of invasive or undesirable vegetation/woody growth?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Excessive nuisance aquatic vegetation present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Sediment Forebays							
1. Is sediment accumulation >50%? If yes, then maintenance is needed immediately.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Evidence of excessive velocity/scour?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Maintenance access clear of obstructions?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Embankment & Emergency Spillway							
1. Is the spillway level?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Adequate Freeboard? (min 1' from top of bank to highest outlet)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Embankment erosion evident?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Cracking, bulging or sliding of embankment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Evidence of animal burrows?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. Seepage evident on exterior face of embankment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Vertical & horizontal alignment of top of dam as per plans?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. Emergency spillway clear of obstructions & debris?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9. Maintenance access clear of obstruction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

STORMWATER POND INSPECTION

Issue	Checked			Maintenance Needed			Comments
	Y	N	N/A	Y	N	N/A	
Riser & Outfall Spillway							
1. Low flow orifice obstructed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Low flow trash rack debris/corrosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Weir trash rack debris/corrosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Excessive sediment accumulation inside the riser?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Sediment accumulation in outlet pipe?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. Outfall channels functioning?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7. Under drain functioning?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. Slope protection or rip-rap failures?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Other							
1. Encroachments on pond or easement area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Complaints from residents?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Odor?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Mowing required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Graffiti removal needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. Insects in excess?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Public hazards?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Summary:							
Inspector Remarks:							



1/1/1900 12:00:00 AM - From outfall structure lookig east

STORMWATER POND INSPECTION

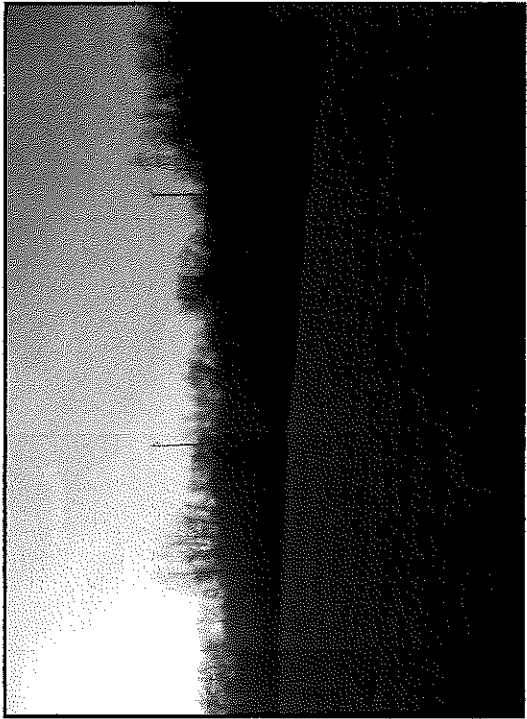
Pond Information							
Pond ID:	MV 0054	Pond Type:	Wet Pond				
Location:	Miniwaukan Park West						
Subdivision:		Watershed:	Mukwonago				
Capacity:		Acres:					
Overflow Elev:		100 Year Elev:					
Year Constructed:		Date Input:					
Water Quality:		Private:					
Inspection Details							
Inspector Name(s):	Ron Bittner, Mike jambretz						
Inspection Date:	11/14/2017	Start Time:	07:45	End Time:	08:00		
Weather Condition:	Foggy 33 degrees			Last Rainfall Date:	1/1/1900		
Issue	Checked			Maintenance Needed			Comments
	Y	N	N/A	Y	N	N/A	
Dry Pond							
1. Standing water or wet spots?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Sediment or trash accumulation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Low flow channels unobstructed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Wet Pond							
1. Removal of floating debris required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Visible oil/chemical presence?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Evidence of wave action?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Safety shelf erosion or failure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Infiltration Basin							
1. Standing water or wet spots?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Sediment or trash accumulation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Under drain functioning?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

STORMWATER POND INSPECTION

Issue	Checked			Maintenance Needed			Comments
	Y	N	N/A	Y	N	N/A	
Vegetation							
1. Adequate vegetation cover?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Appropriate vegetation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Presence of invasive or undesirable vegetation/woody growth?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	woody vegetation needs to be removed
4. Excessive nuisance aquatic vegetation present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Sediment Forebays							
1. Is sediment accumulation >50%? If yes, then maintenance is needed immediately.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Evidence of excessive velocity/scour?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Maintenance access clear of obstructions?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Embankment & Emergency Spillway							
1. Is the spillway level?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Adequate Freeboard? (min 1' from top of bank to highest outlet)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Embankment erosion evident?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Cracking, bulging or sliding of embankment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Evidence of animal burrows?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. Seepage evident on exterior face of embankment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Vertical & horizontal alignment of top of dam as per plans?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. Emergency spillway clear of obstructions & debris?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9. Maintenance access clear of obstruction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

STORMWATER POND INSPECTION

Issue	Checked			Maintenance Needed			Comments
	Y	N	N/A	Y	N	N/A	
Riser & Outfall Spillway							
1. Low flow orifice obstructed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Low flow trash rack debris/corrosion?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Weir trash rack debris/corrosion?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Excessive sediment accumulation inside the riser?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Sediment accumulation in outlet pipe?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. Outfall channels functioning?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Under drain functioning?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. Slope protection or rip-rap failures?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Other							
1. Encroachments on pond or easement area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Complaints from residents?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Odor?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Mowing required?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Graffiti removal needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. Insects in excess?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Public hazards?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Summary:							
Inspector Remarks:							



11/15/2017 12:00:00 AM - View of pond from the north side

STORMWATER POND INSPECTION

Pond Information							
Pond ID:	MV 0053	Pond Type:	Wet Pond				
Location:	Miniwaukan Park Middle						
Subdivision:		Watershed:	Mukwonago				
Capacity:		Acres:					
Overflow Elev:		100 Year Elev:					
Year Constructed:		Date Input:					
Water Quality:		Private:					
Inspection Details							
Inspector Name(s):	Ron Bittner, Mike Jambretz						
Inspection Date:	11/14/2017	Start Time:	07:39	End Time:	07:45		
Weather Condition:	Foggy 33F			Last Rainfall Date:	11/12/2017		
Issue	Checked			Maintenance Needed			Comments
	Y	N	N/A	Y	N	N/A	
Dry Pond							
1. Standing water or wet spots?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Sediment or trash accumulation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Low flow channels unobstructed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Wet Pond							
1. Removal of floating debris required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Visible oil/chemical presence?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Evidence of wave action?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Safety shelf erosion or failure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Infiltration Basin							
1. Standing water or wet spots?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Sediment or trash accumulation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Under drain functioning?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

STORMWATER POND INSPECTION

Issue	Checked			Maintenance Needed			Comments
	Y	N	N/A	Y	N	N/A	
Vegetation							
1. Adequate vegetation cover?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Appropriate vegetation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Presence of invasive or undesirable vegetation/woody growth?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Removal of woody vegetation required
4. Excessive nuisance aquatic vegetation present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Sediment Forebays							
1. Is sediment accumulation >50%? If yes, then maintenance is needed immediately.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Evidence of excessive velocity/scour?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Maintenance access clear of obstructions?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Embankment & Emergency Spillway							
1. Is the spillway level?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Adequate Freeboard? (min 1' from top of bank to highest outlet)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Embankment erosion evident?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Cracking, bulging or sliding of embankment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Evidence of animal burrows?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. Seepage evident on exterior face of embankment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Vertical & horizontal alignment of top of dam as per plans?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. Emergency spillway clear of obstructions & debris?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9. Maintenance access clear of obstruction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

STORMWATER POND INSPECTION

Issue	Checked			Maintenance Needed			Comments
	Y	N	N/A	Y	N	N/A	
Riser & Outfall Spillway							
1. Low flow orifice obstructed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Low flow trash rack debris/corrosion?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Weir trash rack debris/corrosion?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Excessive sediment accumulation inside the riser?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Sediment accumulation in outlet pipe?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. Outfall channels functioning?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Under drain functioning?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. Slope protection or rip-rap failures?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Other							
1. Encroachments on pond or easement area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Complaints from residents?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Odor?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Mowing required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Graffiti removal needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. Insects in excess?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Public hazards?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Summary:							
Inspector Remarks:							



1/1/1900 12:00:00 AM - Inlet into pond

STORMWATER POND INSPECTION

Pond Information							
Pond ID:	MV 0052	Pond Type:	Wet Pond				
Location:	Miniwauken Park East						
Subdivision:		Watershed:	Mukwonago				
Capacity:		Acres:					
Overflow Elev:		100 Year Elev:					
Year Constructed:		Date Input:					
Water Quality:		Private:					
Inspection Details							
Inspector Name(s):	Ron Bittner, Mike Jambretz						
Inspection Date:	11/14/2017	Start Time:	07:28	End Time:	07:35		
Weather Condition:	Foggy 35F			Last Rainfall Date:	11/12/2017		
Issue	Checked			Maintenance Needed			Comments
	Y	N	N/A	Y	N	N/A	
Dry Pond							
1. Standing water or wet spots?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Sediment or trash accumulation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Low flow channels unobstructed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Wet Pond							
1. Removal of floating debris required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Visible oil/chemical presence?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Evidence of wave action?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Safety shelf erosion or failure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Infiltration Basin							
1. Standing water or wet spots?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Sediment or trash accumulation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Under drain functioning?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

STORMWATER POND INSPECTION

Issue	Checked			Maintenance Needed			Comments
	Y	N	N/A	Y	N	N/A	
Vegetation							
1. Adequate vegetation cover?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Appropriate vegetation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Presence of invasive or undesirable vegetation/woody growth?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Excessive nuisance aquatic vegetation present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cattails near outfall structure need to be removed
5. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Sediment Forebays							
1. Is sediment accumulation >50%? If yes, then maintenance is needed immediately.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Evidence of excessive velocity/scour?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Maintenance access clear of obstructions?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Embankment & Emergency Spillway							
1. Is the spillway level?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Adequate Freeboard? (min 1' from top of bank to highest outlet)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Embankment erosion evident?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Cracking, bulging or sliding of embankment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Evidence of animal burrows?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. Seepage evident on exterior face of embankment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7. Vertical & horizontal alignment of top of dam as per plans?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8. Emergency spillway clear of obstructions & debris?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9. Maintenance access clear of obstruction?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
10. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

STORMWATER POND INSPECTION

Issue	Checked			Maintenance Needed			Comments
	Y	N	N/A	Y	N	N/A	
Riser & Outfall Spillway							
1. Low flow orifice obstructed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Low flow trash rack debris/corrosion?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Weir trash rack debris/corrosion?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Excessive sediment accumulation inside the riser?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Sediment accumulation in outlet pipe?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. Outfall channels functioning?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Under drain functioning?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. Slope protection or rip-rap failures?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Other							
1. Encroachments on pond or easement area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Complaints from residents?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Odor?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Mowing required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Graffiti removal needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. Insects in excess?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Public hazards?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Summary:							
Inspector Remarks:							



1/1/1900 12:00:00 AM - West end by outfall structure looking east

STORMWATER POND INSPECTION

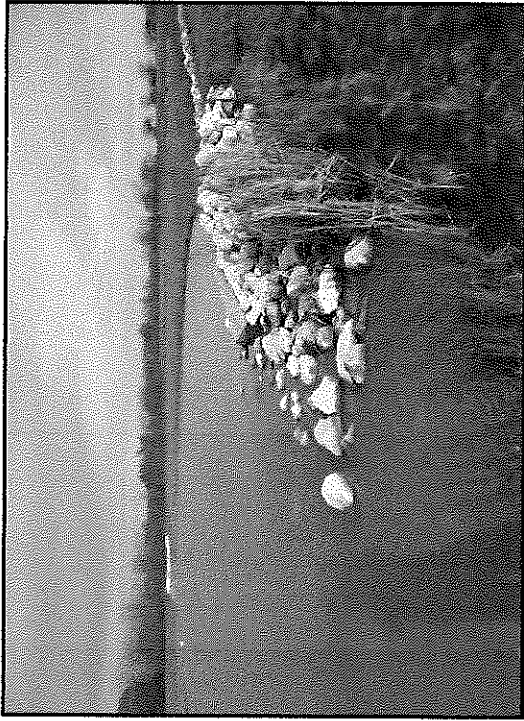
Pond Information							
Pond ID:	VM 0034	Pond Type:	Wet Pond				
Location:	Dewey Drive						
Subdivision:	Dewey Dr. Industrial Park	Watershed:					
Capacity:		Acres:					
Overflow Elev:		100 Year Elev:					
Year Constructed:		Date Input:					
Water Quality:		Private:					
Inspection Details							
Inspector Name(s):	Ron Bittner						
Inspection Date:	12/1/2017	Start Time:	13:50	End Time:	14:20		
Weather Condition:	Cloudy 48F			Last Rainfall Date:	11/18/2017		
Issue	Checked			Maintenance Needed			Comments
	Y	N	N/A	Y	N	N/A	
Dry Pond							
1. Standing water or wet spots?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Sediment or trash accumulation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Low flow channels unobstructed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Wet Pond							
1. Removal of floating debris required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Visible oil/chemical presence?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Evidence of wave action?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Safety shelf erosion or failure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Infiltration Basin							
1. Standing water or wet spots?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Sediment or trash accumulation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Under drain functioning?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

STORMWATER POND INSPECTION

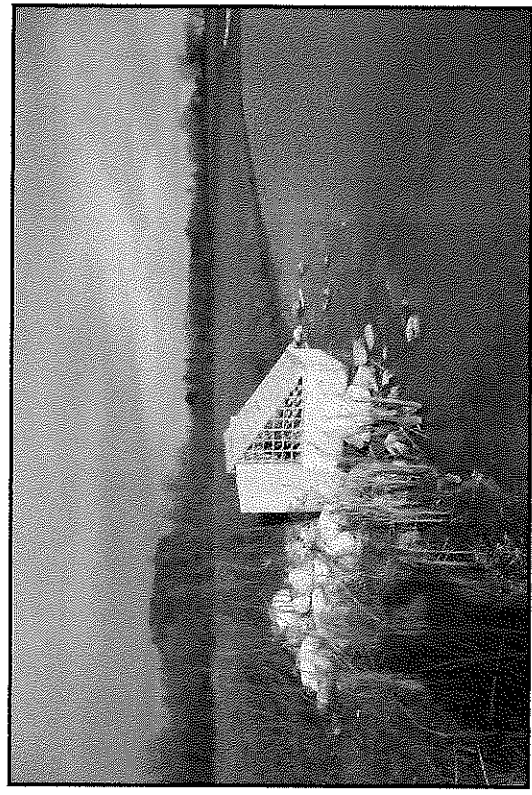
Issue	Checked			Maintenance Needed			Comments
	Y	N	N/A	Y	N	N/A	
Vegetation							
1. Adequate vegetation cover?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Appropriate vegetation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Presence of invasive or undesirable vegetation/woody growth?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Excessive nuisance aquatic vegetation present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Sediment Forebays							
1. Is sediment accumulation >50%? If yes, then maintenance is needed immediately.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Evidence of excessive velocity/scour?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Maintenance access clear of obstructions?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Embankment & Emergency Spillway							
1. Is the spillway level?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Adequate Freeboard? (min 1' from top of bank to highest outlet)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Embankment erosion evident?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3 Small areas < 25 SQ FT
4. Cracking, bulging or sliding of embankment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Evidence of animal burrows?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. Seepage evident on exterior face of embankment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7. Vertical & horizontal alignment of top of dam as per plans?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8. Emergency spillway clear of obstructions & debris?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9. Maintenance access clear of obstruction?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
10. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

STORMWATER POND INSPECTION

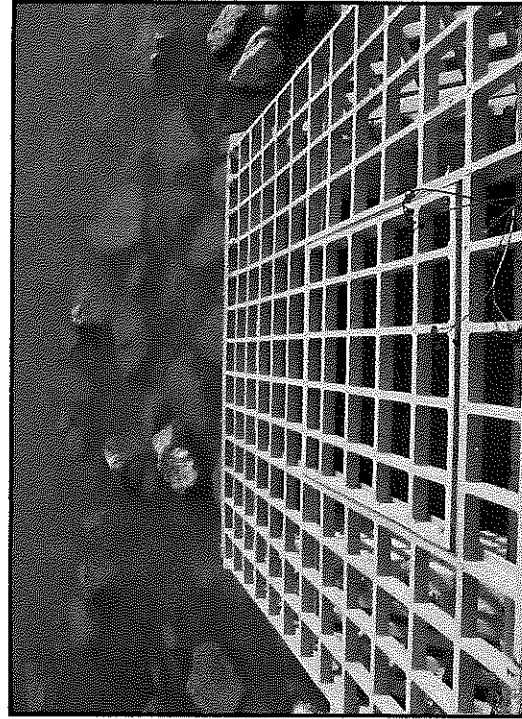
Issue	Checked			Maintenance Needed			Comments
	Y	N	N/A	Y	N	N/A	
Riser & Outfall Spillway							
1. Low flow orifice obstructed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Low flow trash rack debris/corrosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Weir trash rack debris/corrosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Excessive sediment accumulation inside the riser?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Sediment accumulation in outlet pipe?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. Outfall channels functioning?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7. Under drain functioning?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. Slope protection or rip-rap failures?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Other							
1. Encroachments on pond or easement area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Complaints from residents?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Odor?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Mowing required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Graffiti removal needed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. Insects in excess?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Public hazards?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. Other?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Summary:							
Inspector Remarks:							



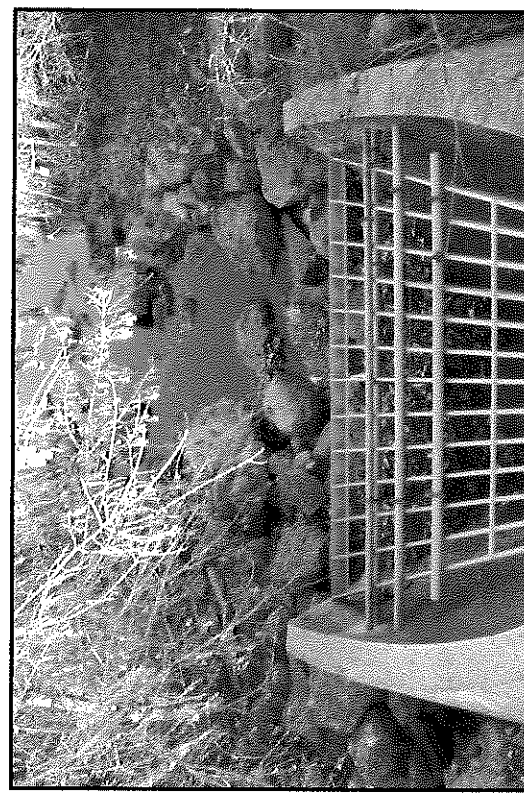
1/1/1900 12:00:00 AM -



1/1/1900 12:00:00 AM - Outfall structure



1/1/1900 12:00:00 AM - Outfall structure



1/1/1900 12:00:00 AM - Outfall

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

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

Reporting Information

Submittal Type: Annual Report

Project Name:

County: Waukesha

Municipality: Mukwonago, Village

Facility Number: 35717

Reporting Year: 2017

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]
- Attach the following items as appropriate using the attachments tab above
 - Construction Site Pollution Control Annual Report Summary
 - Illicit Discharge Detection and Elimination Annual Report Summary
 - Leaf and Yard Waste Management
 - Municipal Cooperation Attachment
 - Municipal Facility Inspections
 - Pollution Prevention Annual Report Summary
 - Post-Construction Storm Water Management Annual Report Summary
 - Public Education and Outreach Annual Report Summary
 - Public Involvement and Participation Annual Report Summary
 - Storm Water Consortium/Group Report
 - Storm Sewer Map Annual Report Attachment
 - Storm Water Quality Management Annual Report Attachment
 - TMDL Attachment
 - Winter Road Maintenance
 - Other Annual Report Attachment
- Complete all required forms and upload required attachments
- 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: Mukwonago, Village
Facility ID # or (FIN): 35717
Updated Information: Check to update mailing address information
Mailing Address: P.O. Box 206
Mailing Address 2:
City: Mukwonago
State: Wisconsin
Zip Code: 53149 xxxxx or xxxxx-xxxx

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

Yes No Unsure

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

Yes No Unsure

Primary Municipal Contact Person (Authorized Representative for MS4 Permit)

Select to **create new** primary contact

First Name: Ron
Last Name: Bittner
 Select to **update** current contact information
Title: PW Director
Mailing Address: P.O. Box 206
Mailing Address 2:
City: Mukwonago
State: WI
Zip Code: 53149 xxxxx or xxxxx-xxxx
Phone Number: 262-363-6447 Ext: xxx-xxx-xxxx
Email: rbittner@villageofmukwonago.com

Additional Contacts Information (Optional)

Individual with responsibility for:
(Check all that apply)

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

First Name:

Last Name:

Title:

Mailing Address:

Mailing Address 2:

City:

State:

Zip Code: XXXXX or XXXXX-XXXX

Phone Number: **Ext:** XXX-XXX-XXXX

Email:

Minimum Control Measures- Section 1 : Complete**1. Public Education and Outreach**

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

Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
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Topic: Detection and elimination of illicit discharges

<u>Website</u>	<u>1 - 9</u>	<input type="text"/>	<input checked="" type="radio"/> Yes <input type="radio"/> No
<u>Website</u>	<u>1 - 9</u>	<input type="text"/>	<input type="radio"/> Yes <input checked="" type="radio"/> No
<u>Direct one-on-one communication</u>	<u>1 - 9</u>	<input type="text"/>	<input type="radio"/> Yes <input checked="" type="radio"/> No

Topic: Management of materials that may cause storm water pollution from automobiles, pet waste, household hazardous waste and household practices

<u>Passive print media (brochures at front desk, posters, etc.)</u>	<u>Select...</u>	<input type="text"/>	<input checked="" type="radio"/> Yes <input type="radio"/> No
<u>Website</u>	<u>1 - 9</u>	<input type="text"/>	<input checked="" type="radio"/> Yes <input type="radio"/> No
<u>Direct one-on-one communication</u>	<u>1 - 9</u>	<input type="text"/>	<input type="radio"/> Yes <input checked="" type="radio"/> No
<u>Signage</u>	<u>1 - 9</u>	<input type="text"/>	<input type="radio"/> Yes <input checked="" type="radio"/> No
<u>Informational booth at event</u>	<u>1 - 9</u>	<input type="text"/>	<input checked="" type="radio"/> Yes <input type="radio"/> No
<u>Government event (public hearing, council meeting, etc.)</u>	<u>1 - 9</u>	<input type="text"/>	<input type="radio"/> Yes <input checked="" type="radio"/> No
<u>Other</u>	<u>1 - 9</u>	<input type="text"/>	<input checked="" type="radio"/> Yes <input type="radio"/> No

Topic: Beneficial onsite reuse of leaves and grass clippings/proper use of lawn and garden fertilizers and pesticides

<u>Website</u>	<u>1 - 9</u>	<input type="text"/>	<input checked="" type="radio"/> Yes <input type="radio"/> No
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Topic: Management of stream banks and shorelines by riparian landowners to minimize erosion and restore and enhance the ecological value of waterways

<u>Did not focus on this topic this reporting year</u>	<u>Select...</u>	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
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Topic: Infiltration of residential storm water runoff from rooftop downspouts, driveways and sidewalks

<u>Website</u>	<u>1 - 9</u>	<input type="text"/>	<input checked="" type="radio"/> Yes <input type="radio"/> No
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Department and Development meetings.

Appropriate Staff

The Village engaged in a storm water training series provided by the Village's engineering firm. The program will conclude in 2018.

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

Mechanism	Quantity (optional)	Est. People Reached (optional)	Regional Effort? (optional)
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Topic: Storm Water Management Plan and/or updates

Website	1 - 9	<input type="text"/>	<input checked="" type="radio"/> Yes <input type="radio"/> No
Government Event (Public Hearing, Council Meeting, etc)	1 - 9	<input type="text"/>	<input type="radio"/> Yes <input checked="" type="radio"/> No
Website	1 - 9	<input type="text"/>	<input type="radio"/> Yes <input checked="" type="radio"/> No

Topic: Storm water related ordinance and/or updates

Website	1 - 9	<input type="text"/>	<input type="radio"/> Yes <input checked="" type="radio"/> No
Government Event (Public Hearing, Council Meeting, etc)	1 - 9	<input type="text"/>	<input type="radio"/> Yes <input checked="" type="radio"/> No

Topic: MS4 Annual Report

Website	1 - 9	<input type="text"/>	<input type="radio"/> Yes <input checked="" type="radio"/> No
Government Event (Public Hearing, Council Meeting, etc)	1 - 9	<input type="text"/>	<input type="radio"/> Yes <input checked="" type="radio"/> No

Topic: Volunteer Opportunities

Clean-up events	1 - 9	<input type="text"/>	<input type="radio"/> Yes <input checked="" type="radio"/> No
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Topic: Other (describe) :

Select...	Select...	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
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c. Any other Public Involvement and Participation program information for inclusion in the Annual Report may be added here or attached on the attachments page

Minimum Control Measures - Section 3 : Complete**3. Illicit Discharge Detection and Elimination**

- a. How many total outfalls does the municipality have? Unsure
- b. How many outfalls did the municipality evaluate as part of their routine ongoing field screening program? Unsure
- c. How many were confirmed illicit discharges? Unsure
- d. How many illicit discharge complaints did the municipality receive? Unsure
- e. How many were confirmed illicit discharges? Unsure
- f. How many of the identified Illicit discharges did the municipality eliminate in the reporting year? Unsure
- g. How many of the following enforcement mechanisms did the municipality use to enforce its illicit discharge ordinance? Unsure
- Verbal Warning
- Written Warning (including email)
- Notice of Violation
- Civil Penalty/ Citation
- h. Any other Illicit Discharge Detection and Elimination program information for inclusion in the Annual Report may be added here or attached on the attachments page.

Reports for outfalls exhibiting flows are attached.

Minimum Control Measures - Section 4 : Complete**4. Construction Site Pollutant Control**

- a. How many total construction sites were active at any point in the reporting year? Unsure
- b. How many construction sites did the municipality issue permits for in the reporting year? Unsure
- c. Do the above numbers include sites <1 acre? Yes No Unsure
- d. How many erosion control inspections did the municipality complete in the reporting year? Unsure
- e. What types of enforcement actions does the municipality have available to compel compliance with the regulatory mechanism? Check all that apply and enter the number of each used in the reporting year. Unsure
- Verbal Warning
- Written Warning (including email)
- Notice of Violation

Civil Penalty/ Citation

2

Stop Work Order

0

Forfeiture of Deposit

1

No Authority

0

Other - Describe below

f. Any other Construction Site Pollutant Control program information for inclusion in the Annual Report may be added here or attached on the attachments page.

Minimum Control Measures - Section 5 : Complete

5. Post-Construction Storm Water Management

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

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

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

Verbal Warning

Written Warning (including email)

Notice of Violation

Civil Penalty/ Citation

Forfeiture of Deposit

Complete maintenance

Bill responsible part

No Authority

Other - Describe below

d. Any other Post-Construction Storm Water Management program information for inclusion in the Annual Report may be added here or attached on the attachments page.

Minimum Control Measures - Section 6 : Complete**6. Pollution Prevention****Storm Water Management Facility Inspections (ponds, biofilters, etc.)** Not Applicable

- a. Enter the total number of municipally owned or operated structural storm water facilities? Unsure
- b. How many new municipally owned storm water facilities were installed in the reporting year? Unsure
- c. How many municipally owned storm water devices were inspected in the reporting year? Unsure
- d. How many of these facilities required maintenance? Unsure
If so, attach report on attachments page.

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

- e. How many inspections of municipal properties been conducted in the reporting year? Unsure
- f. Have amendments to the SWPPPs been made? Yes No Unsure

Collection Services - Street Sweeping / Cleaning Program Not Applicable

- g. Did the municipality conduct street sweeping/cleaning during the reporting year?
 Yes No Unsure
- h. If known, how many tons of material was removed? Unsure
- i. If street cleaning is identified as a storm water best management practice in the pollutant loading analysis, was street cleaning completed at the assumed frequency?
 Yes
 No - Explain _____
 Not Applicable
 Unsure

Collection Services - Catch Basin Sump Cleaning Program Not Applicable

- j. Did the municipality conduct catch basin sump cleaning during the reporting year?
 Yes No Unsure
- k. How many catch basin sumps were cleaned in the reporting year? Unsure
- l. If known, how many tons of material was removed? Unsure
- m. If catch basin sump cleaning is identified as a storm water best management practice in the pollutant loading analysis, was cleaning completed at the assumed frequency?
 Yes
 No - Explain _____

Not Applicable

Unsure

Collection Services - Leaf Collection Program Not Applicable

n. Does the municipality conduct curbside leaf collection? Yes No Unsure

o. Does the municipality notify homeowners about pickup? Yes No Unsure

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

Pile on terrace Pile in street Bags on terrace Unsure

Other - Describe

p. What is the frequency of collection?

5 times annually

q. Is collection followed by street sweeping/cleaning? Yes No Unsure

Winter Road Management Not Applicable

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

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

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

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

Oct Nov Dec Jan Feb March*

Liquids (gallons) (ex. brine)

Oct Nov Dec Jan Feb March*

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

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

If yes, describe what training was provided:

APWA Winter Maintenance Supervisor Workshop

When:

How many attended:

Internal (Staff) Education & Communication

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

If yes, describe what training was provided

When:

How many attended:

Additional Pollution Prevention Information

w. Any other Pollution Prevention program information for inclusion in the Annual Report may be

added here or attached on the attachments page.

No feeding of wildlife in Village of Mukwonago Parks ordinance.

A copy is included with the report.

The Village updated the Storm Water Ordinance in March of 2017. A copy of the final draft was included in last years annual report.

There is a link to the current ordinance on the Village website, www.villageofmukwonago.com under Storm Water.

Form 3400-224 (09/17)

Minimum Control Measures - Section 7 : Complete

7. Storm Sewer System Map

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

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

- Storm water treatment facilities
- Storm pipes
- Vegetated swales
- Outfalls
- Other - Describe below

b. Any other Storm Sewer System Map information for inclusion in the Annual Report may be added here or attached on the attachments page.

The Village implemented GIS tools for document storage in January ,2018

Final Evaluation - Complete**Fiscal Analysis**

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

Annual Expenditure Reporting Year	Budget Reporting Year	Budget Upcoming Year	Source of Funds
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Element: Public Education and Outreach

1920	1917	1917	<u>General revenue fund</u>
87	90	90	<u>Storm water utility</u>

Element: Public Involvement and Participation

456	460	460	<u>General revenue fund</u>
44	45	45	<u>Storm water utility</u>

Element: Illicit Discharge Detection and Elimination

913	913	913	<u>General revenue fund</u>
87	87	87	<u>Storm water utility</u>

Element: Construction Site Pollutant Control

3500	3500	3500	<u>Permit fee and/or deposit/escrow</u>
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Element: Post-Construction Storm Water Management

1643	2000	2000	<u>General revenue fund</u>
157	250	250	<u>Storm water utility</u>

Element: Pollution Prevention

17147	12750	21500	<u>General revenue fund</u>
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Element: Storm Water Quality Management

17440	7900	7900	<u>General revenue fund</u>
1618	1150	1150	<u>Storm water utility</u>

Element: Storm Sewer System Map

4153	4565	4565	<u>General revenue fund</u>
412	435	435	<u>Storm water utility</u>

Other (describe)

			Select...
--	--	--	-----------

Water Quality

a: Were there any known water quality improvements or degradation in the receiving waters to which the municipality's storm sewer system directly discharges to?

Yes No Unsure If Yes, explain below:

b: 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

c: Has the municipality evaluated their storm water practices to reduce the pollutants of concern?

Yes No Unsure

Additional Information

Based on the municipality's storm water program evaluation in Part II, describe any proposed changes to the municipality's storm water program.

Requests for Assistance on Improving Permit Programs

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

Please select all that apply:

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

Required Attachments and Supplemental Information

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

Upload Required Attachments (15 MB per file limit) - [Help reduce file size and trouble shoot file uploads](#)

*Required Item

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

Attach Documents

AR_WintRdMainFIN

 File Attachment

[2017-18WinterStreetMaintenance.pdf](#)

AR_MuniFacInspFIN

 File Attachment


[2017DPWYardInspections.pdf](#)

AR_LeafYardMgmtFIN

 File Attachment

[2017YardWasteCollectionInformation.pdf](#)

AR_EOFIN

 File Attachment

[2017AnnualSummeryReport.pdf](#)

AR_OtherFIN

 File Attachment

[2017StreetSweeping.pdf](#)

AR_OtherFIN

 File Attachment

[2017IllicitDischargeInspections.pdf](#)

AR_OtherFIN

 File Attachment

[2017VillageOwnedPondInspections.pdf](#)

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

Sign and Submit Your Application

Steps to Complete the signature process

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

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

Terms and Conditions

Certification: I hereby certify that I am an authorized representative of the municipality covered under Mukwonago, Village MS4 Permit for which this annual report or other compliance document is being submitted, and that the information contained in this submittal and all attachments were gathered and prepared under my direction or supervision. Based on my inquiry of the person or persons under my direction or supervision involved in the preparation of this document, to the best of my knowledge, the information is true, accurate, and complete. I further certify that the municipality's governing body or delegated representatives have reviewed or been apprised of the contents of this annual report. I understand that Wisconsin law provides severe penalties for submitting false information.

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

- Authorized municipal contact using WAMS ID.
- Delegation of Signature Authority (Form 3500-123) for agent signing on the behalf of the authorized municipal contact.
- Agent seeking to share this item with authorized municipal contact (authorized municipal contact must get WAMS id and complete signature).

Authorized Signature.

I accept the above terms and conditions.

Signed by : i:0#.f|wamsmembership|rrb727 on 2018-03-28T14:00:18

You have already signed and submitted this application to the DNR. Please [contact the Wisconsin DNR](#) for assistance.

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