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March 27, 2012

Mr. Bryan D. Hartsook
Water Resources Engineer
Waukesha Service Center
Wisconsin Department of Natural Resources
141 NW Barstow Street, Room 180
Waukesha, WI 53188

Re: Village of Mukwonago
WPDES Storm Water Permit – Annual Report

Dear Bryan:

Enclosed please find a completed copy of the 2011 Annual Report, as required under the Village's WPDES Storm Water Permit.

Please contact me if you have any questions or comments.

Very truly yours,

RUEKERT/MIELKE

Christopher M. Genellie, P.E.
Associate/Senior Project Manager

CMG:srs
Enclosure(s)
cc: Paul J. Moderacki, Village of Mukwonago (w/enclosure)
Joseph Hankovich, Village of Mukwonago
Thomas R. Brandemuehl, Village of Mukwonago
Kurt A. Peot, P.E., Ruekert/Mielke
File

~1292171 NR-216 Storm water permit > 2011 Activities > WDNR-Hartsook-20120327-WPDES Storm Water Annual Report.doc~

W233 N2080 Ridgeview Parkway • Waukesha, Wisconsin 53188-1020
(262) 542-5733 • Fax: (262) 542-5631 • www.ruekert-mielke.com

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State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Annual Report under MS4 General Permit No. WI-S050075-1

Form 3400-195 (R 01/12)

Due by March 31, 2012

Notice: Pursuant to s. NR 216.07(8), Wis. Adm. Code, an owner or operator of a Municipal Separate Storm Sewer System (MS4) is required to submit an annual report to the Department of Natural Resources (DNR) by March 31 of each year to report on activities for the previous calendar year. This form is being provided by the DNR for the user's convenience. Personal information collected will be used for administrative purposes and may be provided to the extent required by Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].

This form is for reporting on activities undertaken in calendar year 2011.

Instructions: Complete each section of the form that follows. If additional space is needed to respond to a question, attach additional pages. Provide descriptions that explain the program actions taken to comply with the general permit. Complete and submit the annual report by March 31, 2012, to the appropriate address indicated on the last page of this form.

SECTION I. Municipal Information

Name of Municipality		Facility ID No. (FIN)	
Village of Mukwonago		35717	
Mailing Address	**City**	**State**	**Postal Code**
440 River Crest Court	Mukwonago	WI	53149
County(s) in which Municipality is located	**Type of Municipality: (check one)**		
Waukesha	☐ County ☐ City ☒ Village ☐ Town ☐ Other (specify)		

SECTION II. Municipal Contact Information

Name of Municipal Contact Person		Title	
Mr. Thomas R. Brandemuehl		Public Works Supervisor	
Mailing Address	**City**	**State**	**Postal Code**
440 River Crest Court	Mukwonago	WI	53149
E-mail Address	**Telephone No. (include area code)**	**Fax No. (include area code)**	
tbrandemuehl@villageofmukwonago.com	262-363-6447	262-363-7197	

SECTION III. Certification

I hereby certify that I am an authorized representative of the municipality covered under MS4 General Permit No. WI-S050075-1 for which this annual report is being submitted and that the information contained in this document and all attachments were gathered and prepared under my direction or supervision. Based on my inquiry of the person or persons under my direction or supervision involved in the preparation of this document, to the best of my knowledge, the information is true, accurate, and complete. I further certify that the municipality's governing body or delegated representatives have reviewed or been apprised of the contents of this annual report. I understand that Wisconsin law provides severe penalties for submitting false information.

Authorized Representative Printed Name	Authorized Representative Title	
Mr. Thomas R. Brandemuehl	Public Works Supervisor	
Authorized Representative Signature	**Date Signed**	
Thomas R Brandemuehl	3-27-12	
E-mail Address	**Telephone No. (include area code)**	**Fax No. (include area code)**
tbrandemuehl@villageofmukwonago.com	262-363-6447	262-363-7197

From: 2623637197 Page: 1/1 Date: 3/27/2012 9:01:56 AM
FROM :Mukwonago Dpw| Department FAX NO. :2623637197 Mar. 27 2012 09:02AM P1

SECTION IV. General Information

a. Describe what efforts the municipality has undertaken to invite the municipal governing body, interest groups, and the general public to review and comment on the annual report.

The annual report and MS4/WPDES permit have been discussed at several recent staff and Public Works meetings, most recently in March of 2012, immediately prior to preparation of this report. The Village also maintains a robust storm water management section on their website, encouraging comments from the public.

b. Describe how elected and municipal officials and appropriate staff have been kept apprised of the municipal storm water discharge permit and its requirements.

Village officials rely on staff to keep them informed of the MS4 permit requirements. High level Village staff members have been involved in discussions with the DNR (including multiple meetings with the DNR in 2010) and also with the Public Works Committee.

In addition, the Village Staff and Officials have been updated and educated through the Village's Silver Water Star Community Status and along with the Maintenance and Operational activities associated with the Mukwonago Dam and the erosion control enforcement activities at Banker Wire development. See also seminars attended as detailed below under Section V Pollution Prevention.

c. Has the municipality prepared its own municipal-wide storm water management plan? ☒ Yes ☐ No

If yes, title and date of storm water management plan:
Storm Water Management System Plan, August 2009

d. Has the municipality entered into a written agreement with another municipality or a contract with another entity to perform one or more of the conditions of the general permit as provided under Section 2.10 of the general permit? ☒ Yes ☐ No

If yes, describe these cooperative efforts:
The Village has joined Waukesha County's Public Information and Education program in March of 2008. It is the Village's intent that this agreement, augmented with activities from Village Staff, will cover the public education and outreach (Section 2.1) and public involvement and participation (Section 2.2) sections of the Village's WPDES permit. A copy of this agreement has previously been supplied to the Department and is available upon request.

e. Does the municipality have an internet website? ☒ Yes ☐ No

If yes, provide web address:
www.villageofmukwonago.com

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

If yes, provide web address:
http://www.villageofmukwonago.com/storm_water.htm

http://www.villageofmukwonago.com/dpw.htm

http://www.villageofmukwonago.com/refuse_collection.htm

http://www.villageofmukwonago.com/ordinance%20816.pdf

SECTION V. Permit Conditions

a. Minimum Control Measures: For each of the permit conditions listed below, provide a description of the status of implementation of program elements, the status of meeting measurable goals, and compliance with permit schedule in section 3 of the MS4 general permit. Provide an evaluation of program compliance with the general permit, the appropriateness of identified best management practices, and progress towards achieving identified measurable goals. Be specific in describing the actions that have been taken during the reporting year to implement each permit condition and whether measurable goals have been met, including any data collected to document a measurable goal. Also, explain the reasons for any variations from the compliance schedule in the MS4 general permit.

- Public Education and Outreach

The Village joined the Waukesha County Information and Education program in March 2008. The Village has worked with the County on the 2011 activities and helped to develop the ongoing work plan. At the same time, the Village has expanded the specific storm water section of their website to now include information for developers, newsletters, waste removal and storm drain stenciling information, the WPDES permit, the Village's storm water plan and much more information. The pet waste brochure is also currently handed out with all new dog license applications. The Brouchue is also on the Village's website. In 2011, the Village continued to make the monthly newsletters available to visitors at Village Hall and hosted the Waukesha County display at the Farmers Market in Summer. A detailed list of activities completed in 2011 as part of the Waukesha County program is available upon request.

In 2012, the Village will continue to add to the storm water section on their website and will work with the County to again host the storm water display at a community event.

In addition, the Village plans to purchase and install pet waste bag/clean-up stations for both Field Park and Miniwauken Park.

- Public Involvement and Participation

The Village joined the Waukesha County Information and Education program as outlined in the March 2008 agreement. Although no catch basin stenciling was completed in the Village in 2011, Village staff continue to work with the County on the ongoing stenciling program and will promote these activities in 2012. The yard waste and stenciling handouts were also made available at Village Hall to interested persons.

- Illicit Discharge Detection and Elimination

The Village's updated illicit discharge detection and elimination ordinance was approved by the Village Board on January 6, 2009. This ordinance was modeled after Waukesha County's ordinance and is available, along with the Village's illicit discharge response and enforcement procedure, on the Village's website.

The third round of field screening was completed by Village Staff in September of 2011. The results of these inspections are included with this report. For their ongoing program, the Village intends to complete annual inspections of all major outfalls. Minor outfalls will be inspected throughout the year as part of the Village's standard maintenance operations.

- Construction Site Pollutant Control

The Village's updated erosion control and storm water management ordinance was approved by the Village Board on January 6, 2009 and is available on the Village's website, along with the Village's updated erosion control enforcement procedure and flow chart. For all sites that obtained one or two family home building permits, Village Staff completed erosion control inspections throughout the construction process. Corrective measures were requested immediately during inspection and repairs were completed within 24 hours. Although the Village did not have erosion control authority on commercial buildings, staff also inspected applicable commercial sites as appropriate. Village Staff also completed construction site erosion control inspections

at Black Bear Development, the School District Administration Building (at the middle school), Schmidt and Bartelt Funeral Home, YMCA, and Banker Wire expansion. Compliance actions were taken at the Banker Wire site. DNR staff assisted Village staff and Banker Wire contractors to review and alter the plan, suggest revisions to the sequence and develop a compliance schedule. The Frequency of the erosion control inspections performed by the Village were increased from once per month to weekly, inorder to monitor progress and compliance.

- Post-Construction Storm Water Management

The Village's updated erosion control and storm water management ordinance was approved by the Village Board on January 6, 2009 and is available on the Village's website. Although no formal inspections were completed in 2011, the Village completed informal inspections at each major storm water facility prior to each major forecasted storm. The Village will monitor the frequency of any formal inspections and enforcement activities in 2012 for reporting on subsequent annual reports. The VIllage is also in the process of determining which storm water facilities have signed maintenance agreements. Once known, agreements will be pursued for those facilities which currently do not have them.

- Pollution Prevention

The Village's pollution prevention plan was previously submitted to the Department. The Village used approximately 750 tons of de-icing salt and no sand in 2011. The Village filled out the attached log sheets during each storm event in 2011 to begin tracking de-icing material application rates. The Village also continued their ongoing street sweeping program in 2011.

Village Staff attended the following training sessions in 2011: Annual Waukesha County Storm Water BMP Workshop (March, 2011); Sustainability Seminar (March 17, 2011 - Village Engineer); DNR Water Quality Trading Forum (August 10, 2011 - Village Engineer); Water Quality Agricultural Impact Forum (September 16, 2011 - Village Engineer); WAFSCM Annual Storm Water Conference in Wisconsin Dells (November 3, 2011 - Village Engineer); TMDL forums (Presented by DNR and Sweetwater) (November 14, 2011 - Village Engineer); Presentation on the Facilitation of the Waukesha County Storm Water Program (January 12, 2012 - Village Board).

b. Storm Water Quality Management: Has the municipality completed a pollutant-loading analysis to assess compliance with the 20% TSS reduction developed urban area performance standard? ☒ Yes ☐ No

If yes, provide the following: Model used SLAMM Version 9.3 Reduction (%) 24.6

If no, include a description of any actions the municipality has undertaken during 2011 to help achieve the 20% standard.

Has the municipality completed an evaluation of all municipal owned or operated structural flood control facilities to determine the feasibility of retrofitting to increase TSS removal? ☒ Yes ☐ No If yes, describe:

The only Village-owned storm water facilities are located in the Gateway District and along CTH "NN", east of STH "83". The Gateway facility is a wet pond, currently being maintained and performing with a high TSS removal. The CTH "NN" facility is recommended to be retrofit to improve TSS performance (see August 2009 storm water plan).

c. Best Management Practices Maintenance: Does the municipality have a maintenance program for installed storm water best management practices? ☒ Yes ☐ No

If yes, describe the maintenance program. If available, attach any additional information on the maintenance program.

Maintenance plans and agreements are prepared for new facilities. These plans and agreements are recorded at the County. The Agreements give the Village the ability to inspect and if needed require the owner to make repairs. Should the owner fail in making repairs the agreements allow the Village to have the repairs made and charge the owner for costs incurred.

d. Storm Sewer System Map: Describe any changes or updates to the storm sewer system map made in the reporting year. Provide an updated map if any changes occurred during the reporting year. No changes to the Villages Storm Sewer System were made in 2011.

SECTION VI. Fiscal Analysis

a. Provide a fiscal analysis that includes the annual expenditures for 2011, and the budget for 2011 and 2012. A table to document fiscal information is provided on page 6.

b. What financing/fiscal strategy has the municipality implemented to finance the requirements of the general permit?
☒ Storm water utility ☒ General fund ☐ Other _____

c. Are adequate revenues being generated to implement your storm water management program to meet the permit requirements? ☒ Yes ☐ No

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

The storm water program is currently funded through a storm water utility in the Gateway District and the general fund for the remainder of the Village. In 2009/2010, the Village completed a storm water utility feasibility study and discussed creation of a Village-wide utility. Based on resident reactions, the utility was tabled for later discussion.

SECTION VII. Inspections and Enforcement Actions

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

a. As of the date of this annual report, has the municipality adopted a construction site pollutant control ordinance in accordance with subsection 2.4.1 of the general permit? ☒ Yes ☐ No If yes, attach copy or provide web link to ordinance:

http://www.villageofmukwonago.com/Storm%20Water%20Ordinance.pdf

b. As of the date of this annual report, has the municipality adopted a post-construction storm water management ordinance in accordance with subsection 2.5.1 of the general permit? ☒ Yes ☐ No If yes, attach copy or provide web link to ordinance:

http://www.villageofmukwonago.com/Storm%20Water%20Ordinance.pdf

c. As of the date of this annual report, has the municipality adopted an illicit discharge detection and elimination ordinance in accordance with subsection 2.3.1 of the general permit? ☒ Yes ☐ No If yes, attach copy or provide web link to ordinance:

http://www.villageofmukwonago.com/Storm%20Water%20Ordinance.pdf

d. As of the date of this annual report, has the municipality adopted any other ordinances it has deemed necessary to implement a program under the general permit (e.g., pet waste ordinance, leaf management/yard waste ordinance, parking restrictions for street cleaning, etc.)? ☒ Yes ☐ No If yes, attach copy or provide web link to ordinance:

Section 34-32 Public Nuisances; Section 66-78 Management of Waste Oil and Waste;
http://www.villageofmukwonago.com/chapter_34.htm#Sec._34-32
http://www.villageofmukwonago.com/chapter_66.htm#Sec._66-78

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

The Village inspected 8 individual single family home construction sites. The Village also inspected the construction sites as detailed above (YMCA, Schmidt Bartelt Funeral Home, Black Bear Subdivision, Banker Wire expansion during construction. reports and photos can be made available upon request.

SECTION VIII. Water Quality Concerns

a. Does any part of the MS4 discharge to an outstanding resource water (ORW) or exceptional resource water (ERW) listed under s. NR 102.10 or 102.11, Wis. Adm. Code? (A list of ORWs and ERWs may be found on the Department's Internet site at: http://dnr.wi.gov/org/water/wm/wqs/orwerw/) ☒ Yes ☐ No If yes, list:
Mukwonago River

b. Does any part of the MS4 discharge to an impaired waterbody listed in accordance with section 303(d)(1) of the federal Clean Water Act, 33 USC § 1313(d)(1)(C)? (A list of the most current Wisconsin impaired waterbodies may be found on the Department's Internet site at: http://dnr.wi.gov/org/water/wm/wqs/303d/303d.html) ☒ Yes ☐ No If yes, complete the following:

- Impaired waterbody to which the MS4 discharges:

Fox River

- Description of actions municipality has taken to comply with section 1.5.2 of the MS4 general permit for discharges of pollutant(s) of concern to an impaired waterbody:

The Fox River is impaired primarily due to excess sediment, phosphorus, and PCB's within the waterway. The recommendations found within the Village's storm water management study, along with the information and education and pollution prevention programs will help reduce sediment and phosphorus loadings.

c. Identify any known water quality improvements in the receiving water to which the MS4 discharges during the reporting period.

None known

d. Identify any known water quality degradation in the receiving water to which the MS4 discharges during the reporting period and what actions are being taken to improve the water quality in the receiving water.

None Known

SECTION IX. Proposed Program Changes

a. Describe any proposed changes to the storm water management program being contemplated by the municipality for 2012 and the schedule for implementing those changes. Proposed program changes must be consistent with the requirements of the general permit.

No changes are proposed.

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

Program Element	Annual Expenditure	Budget		Source of Funds
	2011	2011	2012	
Public Education and Outreach				
Public Involvement and Participation				
Illicit Discharge Detection and Elimination				
Construction Site Pollutant Control				
Post-Construction Storm Water Management				
Pollution Prevention				
Storm Water Quality Management (including pollutant-loading analysis)				
Storm Sewer System Map				
Other				

NORTHERN REGION COUNTIES		
Ashland	Langlade	DNR Service Center
Barron	Lincoln	1701 N. 4th Street
Bayfield	Oneida	Superior, WI 54880
Burnett	Polk	Phone: (715) 392-7988
Douglas	Price	
Florence	Rusk	
Forest	Sawyer	
Iron	Taylor	
	Vilas	
	Washburn	

WEST CENTRAL REGION COUNTIES		
Adams	Marathon	DNR Service Center
Buffalo	Monroe	5301 Rib Mountain Rd.
Clark	Portage	Wausau, WI 54401
Crawford	Trempealeau	Phone: (715) 359-4522
Jackson	Vernon	
Juneau	Wood	
La Crosse		
Chippewa	Pepin	DNR Service Center
Dunn	Pierce	890 Spruce St.
Eau Claire	St. Croix	Baldwin, WI 54002
		Phone: (715) 684-2914

NORTHEAST REGION COUNTIES		
Brown	Marquette	DNR Northeast Region
Calumet	Menominee	2984 Shawano Ave.
Door	Oconto	Green Bay, WI 54313
Fond du Lac	Outagamie	Phone: (920) 662-5100
Green Lake	Shawano	
Kewaunee	Waupaca	
Manitowoc	Waushara	
Marinette	Winnebago	

SOUTH CENTRAL REGION COUNTIES		
Columbia	Jefferson	DNR South Central Region
Dane	LaFayette	3911 Fish Hatchery Rd.
Dodge	Richland	Fitchburg, WI 53711
Grant	Rock	Phone: (608) 275-3266
Green	Sauk	
Iowa		

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

Village of Mukwonago Budget items

	2011 Budget	2012 budget
Storm Water Compliance	$32,350	$27,350
Lake Protection & Flood Protection/ Dam O&M	$19,871	$ 9,874
Storm Sewer	$15,145	$15,090
Street Cleaning	$10,969	$10,878
Snow and Ice Control	$159,775	$157,884
Tree and Bruch Control	$ 6,072	$ 6,007

Village of Mukwonago (7122)

Labor Distribution (Summary)

Pay Dates: 01/01/2011-12/31/2011

LD Department Name	LD Total Earning	LD Total Gross	LD Total Deductions (EE)	LD Total Deductions (ER)	LD Total Taxes (EE)	LD Total Taxes (ER)
	-	-	-	-	-	-
5254Dams	$4,274.84	$4,274.84	$474.01	$1,722.91	$961.73	$314.68
5323Garage	$11,105.57	$11,105.57	$1,385.33	$3,948.16	$2,438.96	$823.09
5324Machinery & Equipment	$22,376.10	$22,376.10	$4,911.02	$9,628.32	$4,718.30	$1,648.75
5341Streets & Alleys	$12,449.41	$12,449.41	$1,144.39	$5,269.56	$2,580.38	$916.63
5343Curb Gutters & Sidewalks	$341.04	$341.04	$32.58	$189.76	$67.41	$24.86
5344Storm Sewer	$23,870.97	$23,870.97	$2,006.17	$7,929.84	$5,295.84	$1,777.18
5345Street Cleaning	$8,814.09	$8,814.09	$906.89	$3,948.04	$1,719.19	$648.70
5221Fire Administration	$263,946.28	$264,031.72	$22,246.67	$104,861.60	$60,515.80	$19,573.55
5222Fire Suppression	$59,881.53	$59,881.53	$92.34	$4,318.14	$9,713.72	$4,581.08
440Library	-	-	-	-	-	-
6920Administrative & General	$95,332.28	$95,359.28	$10,234.94	$25,182.68	$24,902.79	$7,121.14
8400Administrative & General	$165,297.95	$165,528.92	$9,746.56	$45,901.40	$37,682.39	$12,422.61
5511Library Services	$394,553.45	$394,567.85	$42,203.51	$131,156.62	$63,299.23	$28,797.68
5160Village Hall	$2,500.98	$2,500.98	$285.35	$1,151.94	$554.78	$182.47
5300DPW General Administration	$160,763.64	$161,094.43	$19,873.03	$75,393.55	$34,611.95	$11,819.35
5346Bridges & Culverts	$24.36	$24.36	$2.82	$14.11	$5.52	$1.75
5347Snow & Ice Control	$6,908.59	$6,908.59	$727.84	$2,993.06	$1,481.52	$506.87
5348Streets Sign & Markings	$4,272.00	$4,272.00	$430.37	$1,861.30	$882.19	$313.54
5349Tree & Brush Control	$7,654.11	$7,654.11	$727.21	$3,723.38	$1,582.60	$558.98
5362Garbage Collection	$5,500.63	$5,500.63	$519.42	$2,438.66	$1,141.25	$403.87
5521Parks	$49,327.92	$49,327.92	$4,617.37	$21,169.73	$10,192.60	$3,629.98
5522Celebrations	$2,545.97	$2,545.97	$325.91	$1,114.43	$523.12	$185.68
5223Fire Training	$25,648.71	$25,648.71	$235.90	$943.10	$3,730.94	$1,962.16
5231Ambulance	$98,665.17	$98,665.17	$4,678.95	$12,842.16	$17,513.46	$7,491.80
5232Ambulance Training	$6,733.45	$6,733.45	$59.17	$293.01	$960.10	$514.97
5140Adminsitrative & General	$29,136.70	$29,136.70	$3,483.85	$9,681.00	$6,572.34	$2,153.10
5140Aministrative & General	$4,227.98	$4,227.98	$463.10	$1,066.47	$885.85	$317.38
6100Source of Supply Operations	$73.08	$73.08	$4.63	$38.45	$14.71	$5.36
6110Source of Supply Maintenance	$73.08	$73.08	$4.66	$38.41	$14.73	$5.34
6200Pumping Operations	$9,317.19	$9,317.19	$1,108.65	$2,751.78	$2,296.96	$689.68
6210Pumping Maintenance	$3,334.55	$3,334.55	$458.22	$892.92	$837.41	$246.62
6300Water Treatment Operations	$8,615.24	$8,615.24	$1,045.27	$2,359.80	$2,171.14	$638.20
6310Water Treatment Maintenance	$6,627.73	$6,627.73	$841.90	$1,430.60	$1,712.19	$494.05
6450T&D-Distr Psrvr/Stndpipe	$710.15	$710.15	$91.69	$193.42	$182.61	$52.35
6451T&D-Mains Maintenance	$3,784.96	$3,784.96	$664.63	$1,098.16	$936.61	$279.83
6452T&D-Services Maintenance	$6,227.32	$6,227.32	$1,039.04	$1,913.82	$1,561.26	$461.17
6453T&D-Meters Maintenance	$14,865.35	$14,865.35	$2,240.16	$3,864.65	$3,713.94	$1,098.15
6454T&D-Hydrants Maintenance	$12,695.07	$12,695.07	$2,092.59	$3,209.02	$3,156.23	$938.77
6902Accounting & Collecting	$22,683.81	$22,683.81	$2,670.44	$8,749.85	$4,478.45	$1,676.15
8020Lift Stations/Pumping	$5,019.90	$5,019.90	$535.93	$2,324.69	$1,090.20	$369.53
8010WWTP-Treatment/Disposal	$79,119.12	$79,119.12	$9,205.70	$34,151.01	$17,142.34	$5,834.56
8030Wastewater Collection	$14,771.90	$14,771.90	$2,225.36	$4,828.50	$3,266.29	$1,096.17
8300Accounting & Collecting	$16,066.77	$16,066.77	$2,176.65	$6,178.20	$3,131.81	$1,184.36

Filtered By: Pay Dates: 01/01/2011-12/31/2011; Employee Filter: All Employees; Options: Show Only Finalized Payrolls

Payroll Data Services - Hartland
P: 262-563-5200, F: 262-369-2404
OrbitPayroll@PayrollData.com

Generated: 03/16/2012 01:03p
Generated By: DIAN PETE

Village of Mukwonago (7122)

Labor Distribution (Summary)

Pay Dates: 01/01/2011-12/31/2011

LD Department Name	LD Total Earning	LD Total Gross	LD Total Deductions (EE)	LD Total Deductions (ER)	LD Total Taxes (EE)	LD Total Taxes (ER)
5111Village Board	$25,320.00	$25,320.00	-	-	$3,160.50	$1,937.00
5120Municipal Court	$21,992.36	$21,992.36	-	-	$3,540.45	$1,682.46
5141Village Administration	$7,200.00	$7,200.00	-	-	$995.12	$550.80
5142Clerk-Teasurer	$223,118.84	$223,603.33	$24,935.82	$73,366.17	$48,248.67	$16,564.34
5144Elections	$2,846.05	$2,846.05	-	-	-	-
5153Assessment of Property	$2,267.95	$2,267.95	$177.41	$633.83	$554.22	$168.93
5241Building Inspector	$88,540.13	$88,681.70	$8,211.24	$36,548.69	$19,140.89	$6,538.82
5632Planning Department	$25,521.92	$25,521.92	$1,995.67	$8,205.81	$5,647.51	$1,903.44
5211Police Administration	$439,828.25	$440,617.80	$62,534.11	$236,491.96	$90,089.41	$31,923.05
5212Police Patrol	$665,146.20	$665,973.68	$53,347.72	$279,293.62	$152,187.32	$49,471.66
5213Crime Investigation	$118,126.65	$118,403.74	$8,315.86	$52,089.10	$21,994.68	$8,769.31
Report Total						
	$3,290,047.29	$3,293,256.07	$317,738.05	$1,239,395.39	$685,799.61	$243,271.95

VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 1: Background Data

Subwatershed:	Outfall ID: A
Today's date: 9-16-11	Time (Military): 08:06
Investigators: ROD BITTNER	Form completed by: ROD BITTNER
Temperature (°F): 47	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0
Nearest Intersection / Location: STATE HWY 83 + EAST WOLF RUN	
Camera:	Photo #s:

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Single Family
- ☒ Multi Family
- ☒ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ Closed Pipe	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 66"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
☐ In-Stream	(applicable when collecting samples)				
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☐ Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☒ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☒	☐ Brown ☐ Orange ☒ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☒ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☐ Yes	☒ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 1: Background Data

Subwatershed:	Outfall ID: B
Today's date: 9-16-11	Time (Military): 08:16
Investigators: Ron Bittner	Form completed by: Ron Bittner
Temperature (°F): 47	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0
Nearest Intersection / Location: East Wolf Run	
Camera:	Photo #s:

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Single Family
- ☐ Multi Family
- ☒ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ Closed Pipe	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☒ Eliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 36" x 60"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
☐ In-Stream	(applicable when collecting samples)				
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☐ Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☒ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☒	☐ Excessive ☒ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1.	Sample for the lab?	☐ Yes	☒ No
2.	If yes, collected from:	☐ Flow	☐ Pool
3.	Intermittent flow trap set?	☐ Yes	☒ No If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 1: Background Data

Subwatershed:	Outfall ID: C [illegible]
Today's date: 9-16-11	Time (Military): 08:24
Investigators: RON BETTNER	Form completed by: RON BETTNER
Temperature (°F): 47	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0
Nearest Intersection / Location: EAST WOLF RUN + WALMART	
Camera:	Photo #s:

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Single Family
- ☐ Multi Family
- ☒ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ Closed Pipe	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 64"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
☐ In-Stream	(applicable when collecting samples)				
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☐ Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

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Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☒ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☐ Yes	☒ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 1: Background Data

Subwatershed:	Outfall ID: D.
Today's date: 9-16-11	Time (Military): 08:28
Investigators: ROD BETTNER	Form completed by: ROD BETTNER.
Temperature (°F): 48	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0
Nearest Intersection / Location: EAST END OF EAST WOLFRUD	
Camera:	Photo #s:

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Single Family
- ☐ Multi Family
- ☒ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ Closed Pipe	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Eliptical ☒ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 48" x 36"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
☐ In-Stream	(applicable when collecting samples)				
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☐ Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☒ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☐ Yes	☒ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 1: Background Data

Subwatershed:	Outfall ID: E
Today's date: 9-16-11	Time (Military): 08:39
Investigators: ROB BITTNER	Form completed by: ROB BITTNER
Temperature (°F): 48	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0
Nearest Intersection / Location: EASTERN TRAIL + PERKINS AVE.	
Camera:	Photo #s:

Land Use in Drainage Area (Check all that apply):

- [x] Industrial
- [x] Single Family
- [ ] Multi Family
- [ ] Commercial
- [x] Open Space
- [ ] Institutional
- Other: _____
- Known Industries: _____

Notes (e.g.., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
[x] Closed Pipe	[ ] RCP [x] CMP [ ] PVC [ ] HDPE [ ] Steel [ ] Other: _____	[x] Circular [ ] Eliptical [ ] Box [ ] Other: _____	[ ] Single [x] Double [ ] Triple [ ] Other: _____	Diameter/Dimensions: 22 11	In Water: [x] No [ ] Partially [ ] Fully With Sediment: [ ] No [x] Partially [ ] Fully
[ ] Open drainage	[ ] Concrete [ ] Earthen [ ] rip-rap [ ] Other: _____	[ ] Trapezoid [ ] Parabolic [ ] Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
[ ] In-Stream	(applicable when collecting samples)				
Flow Present?	[ ] Yes [x] No *If No, Skip to Section 5*				
Flow Description (If present)	[ ] Trickle [ ] Moderate [ ] Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
[ ] Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
[ ] Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☒ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☐ Yes	☒ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 1: Background Data

Subwatershed:	Outfall ID: F
Today's date: 9-16-11	Time (Military): 08:45
Investigators: ROD BETTNER.	Form completed by: ROD BETTNER.
Temperature (°F): 48	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0
Nearest Intersection / Location: EASTERN TRAIL + MALLARD COURT	
Camera:	Photo #s:

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Single Family
- ☐ Multi Family
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ Closed Pipe	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 30"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap. ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
☐ In-Stream	(applicable when collecting samples)				
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☐ Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

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Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☒ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☐ Yes	☒ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

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Section 1: Background Data

Subwatershed:	Outfall ID: G
Today's date: 9-16-11	Time (Military): 08:52
Investigators: ROD BITTNER	Form completed by: ROD BITTNER
Temperature (°F): 48	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0
Nearest Intersection / Location: HOLZ PARKWAY + PERKINS DRIVE	
Camera:	Photo #s:

Land Use in Drainage Area (Check all that apply):

- [x] Industrial
- [ ] Single Family
- [ ] Multi Family
- [ ] Commercial
- [x] Open Space
- [ ] Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
[x] Closed Pipe	[ ] RCP [x] CMP [ ] PVC [ ] HDPE [ ] Steel [ ] Other: _____	[ ] Circular [x] Eliptical [ ] Box [ ] Other: _____	[ ] Single [ ] Double [x] Triple [ ] Other: _____	Diameter/Dimensions: 24" X 32"	In Water: [ ] No [x] Partially [ ] Fully With Sediment: [ ] No [x] Partially [ ] Fully
[ ] Open drainage	[ ] Concrete [ ] Earthen [ ] rip-rap [ ] Other: _____	[ ] Trapezoid [ ] Parabolic [ ] Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
[ ] In-Stream	(applicable when collecting samples)				
Flow Present?	[ ] Yes [x] No *If No, Skip to Section 5*				
Flow Description (If present)	[ ] Trickle [ ] Moderate [ ] Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
[ ] Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
[ ] Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

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Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☒ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☒	☐ Brown ☐ Orange ☒ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☒ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☐ Yes	☒ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 1: Background Data

Subwatershed:	Outfall ID: H
Today's date: 9-16-11	Time (Military): 09:05
Investigators: Ron Bittner	Form completed by: Ron Bittner.
Temperature (°F): 48	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0
Nearest Intersection / Location: Holz Parkway 200' South of Perkins.	
Camera:	Photo #s:

Land Use in Drainage Area (Check all that apply):

- [x] Industrial
- [x] Single Family
- [x] Multi Family
- [ ] Commercial
- [x] Open Space
- [ ] Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
[x] Closed Pipe	[ ] RCP [x] CMP [ ] PVC [ ] HDPE [ ] Steel [ ] Other: _____	[ ] Circular [x] Eliptical [ ] Box [ ] Other: _____	[ ] Single [ ] Double [x] Triple [ ] Other: _____	Diameter/Dimensions: 66" x 40"	In Water: [ ] No [x] Partially [ ] Fully With Sediment: [ ] No [x] Partially [ ] Fully
[ ] Open drainage	[ ] Concrete [ ] Earthen [ ] rip-rap [ ] Other: _____	[ ] Trapezoid [ ] Parabolic [ ] Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
[ ] In-Stream	(applicable when collecting samples)				
Flow Present?	[x] Yes [ ] No *If No, Skip to Section 5*				
Flow Description (If present)	[x] Trickle [ ] Moderate [ ] Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
[ ] Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
[ ] Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature		52.2	°F	Thermometer
pH		7.0	pH Units	Test strip/Probe
Ammonia		0	mg/L	Test strip

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☒ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☒	☐ Excessive ☒ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1.	Sample for the lab?	☐ Yes	☒ No	
2.	If yes, collected from:	☐ Flow	☐ Pool	
3.	Intermittent flow trap set?	☐ Yes	☒ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 1: Background Data

Subwatershed:	Outfall ID: I
Today's date: 9-16-11	Time (Military): 09:52
Investigators: Ron Bittner	Form completed by: Ron Bittner
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0
Nearest Intersection / Location: McKenzie Dr. + Perkins Dr.	
Camera:	Photo #s:

Land Use in Drainage Area (Check all that apply):

- [x] Industrial
- [x] Single Family
- [ ] Multi Family
- [ ] Commercial
- [ ] Open Space
- [x] Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
[x] Closed Pipe	[ ] RCP [x] CMP [ ] PVC [ ] HDPE [ ] Steel [ ] Other: _____	[ ] Circular [x] Eliptical [ ] Box [ ] Other: _____	[ ] Single [ ] Double [ ] Triple [x] Other: 4	Diameter/Dimensions: 20" x 30"	In Water: [ ] No [x] Partially [ ] Fully With Sediment: [ ] No [x] Partially [ ] Fully
[ ] Open drainage	[ ] Concrete [ ] Earthen [ ] rip-rap. [ ] Other: _____	[ ] Trapezoid [ ] Parabolic [ ] Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
[ ] In-Stream	(applicable when collecting samples)				
Flow Present?	[x] Yes [ ] No *If No, Skip to Section 5*				
Flow Description (If present)	[x] Trickle [ ] Moderate [ ] Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
[ ] Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
[ ] Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature		58.6	°F	Thermometer
pH		7.0	pH Units	Test strip/Probe
Ammonia		0.0	mg/L	Test strip

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Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☒ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☒	☐ Excessive ☒ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☒ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☐ Yes	☒ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 1: Background Data

Subwatershed:	Outfall ID: J
Today's date: 9-16-11	Time (Military): 10:07
Investigators: RON BITTNER	Form completed by: RON BITTNER
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0
Nearest Intersection / Location: CTY HWY ES (FOX STREET) + MCKENZIE DR.	
Camera:	Photo #s: (GREENRIDGE SHOPPING CTR)

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Single Family
- ☐ Multi Family
- ☒ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ Closed Pipe	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 42"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
☐ In-Stream	(applicable when collecting samples)				
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☐ Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

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Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☒ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☐ Yes	☒ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

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Section 1: Background Data

Subwatershed:	Outfall ID: K
Today's date: 9-16-11	Time (Military): 10:15
Investigators: ROD BITTNER	Form completed by: ROD BITTNER
Temperature (°F): 50	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0
Nearest Intersection / Location: CTY HWY NN 1000 FT EAST OF STATE HWY 83	
Camera:	Photo #s:

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Single Family
- ☒ Multi Family
- ☒ Commercial
- ☒ Open Space
- ☒ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ Closed Pipe	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 72"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
☐ In-Stream	(applicable when collecting samples)				
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☐ Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

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Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☒ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☒	☒ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	PAD ERODING
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☒ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☐ Yes	☒ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 1: Background Data

Subwatershed:	Outfall ID: L
Today's date: 9-16-11	Time (Military): 10:30
Investigators: RON BITTNER	Form completed by: RON BITTNER
Temperature (°F): 51	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0
Nearest Intersection / Location: CTY HWY NN + CTY HWY EE	
Camera:	Photo #s:

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Single Family
- ☐ Multi Family
- ☐ Commercial
- ☒ Open Space
- ☒ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ Closed Pipe	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☒ Other: 4	Diameter/Dimensions: 21"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
☐ In-Stream	(applicable when collecting samples)				
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☐ Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☒ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☐ Yes	☒ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 1: Background Data

Subwatershed:	Outfall ID: M
Today's date: 9-16-11	Time (Military): 10:37
Investigators: ROD BITTNER	Form completed by: ROD BITTNER
Temperature (°F): 53	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0
Nearest Intersection / Location: 734 PINEHURST DR.	
Camera:	Photo #s:

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Single Family
- ☐ Multi Family
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ Closed Pipe	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 36"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
☐ In-Stream	(applicable when collecting samples)				
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☐ Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☑ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☑ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☐ Yes	☑ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 1: Background Data

Subwatershed:	Outfall ID: N.
Today's date: 9-16-11	Time (Military): 10:50
Investigators: ROD BITTNER.	Form completed by: ROD BITTNER.
Temperature (°F): 53	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0
Nearest Intersection / Location: 517 VALHALLA DR.	
Camera:	Photo #s:

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Single Family
- ☐ Multi Family
- ☐ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ Closed Pipe	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 42"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap. ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
☐ In-Stream	(applicable when collecting samples)				
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☐Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☒ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☐ Yes	☒ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 1: Background Data

Subwatershed:	Outfall ID: 0
Today's date: 9-16-11	Time (Military): 11:00
Investigators: ROD BETTNER	Form completed by: ROD BETTNER
Temperature (°F): 53	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0
Nearest Intersection / Location: 511 EAGLE LAKE AVE	
Camera:	Photo #s:

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Single Family
- ☐ Multi Family
- ☒ Commercial
- ☒ Open Space
- ☒ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ Closed Pipe	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 36"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
☐ In-Stream	(applicable when collecting samples)				
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☐ Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☒ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☐ Yes	☒ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 1: Background Data

Subwatershed:	Outfall ID: P
Today's date: 9-16-11	Time (Military): 11:05
Investigators: RON BITTNER	Form completed by: RON BITTNER
Temperature (°F): 54	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0
Nearest Intersection / Location: WEST END OF WAHL AVE.	
Camera:	Photo #s:

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Single Family
- ☐ Multi Family
- ☒ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ Closed Pipe	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 48"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
☐ In-Stream	(applicable when collecting samples)				
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☐ Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☒ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☐ Yes	☒ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 1: Background Data

Subwatershed:	Outfall ID: Q
Today's date: 9-16-11	Time (Military): 11:15
Investigators: ROD BOTTNER	Form completed by: ROD BOTTNER
Temperature (°F): 54	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0
Nearest Intersection / Location: FRONT ST. + JEFFERSON ST.	
Camera:	Photo #s:

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Single Family
- ☒ Multi Family
- ☒ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☒ Steel ☐ Other: _____	☒ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☐ Single ☒ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 16"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
☐ In-Stream	(applicable when collecting samples)				
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☐ Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☒ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☐ Yes	☒ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 1: Background Data

Subwatershed:	Outfall ID: R
Today's date: 9-16-11	Time (Military): 11:20
Investigators: RON BETTNER	Form completed by: RON BETTNER
Temperature (°F): 55	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0
Nearest Intersection / Location: BAYVIEW CIRCLE to BAYVIEW CT.	
Camera:	Photo #s:

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Single Family
- ☒ Multi Family
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ Closed Pipe	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 42"	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
☐ In-Stream	(applicable when collecting samples)				
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☐ Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☒ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☐ Yes	☒ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 1: Background Data

Subwatershed:	Outfall ID: S
Today's date: 9-16-11	Time (Military): 11:29
Investigators: ROD BITTNER	Form completed by: ROD BITTNER
Temperature (°F): 55	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0
Nearest Intersection / Location: CTY HWY ES + HOOKEWELL RD.	
Camera:	Photo #s:

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Single Family
- ☒ Multi Family
- ☒ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Notes (e.g.., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ Closed Pipe	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☒ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 36"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
☐ In-Stream	(applicable when collecting samples)				
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☐ Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☑ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☒ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☐ Yes	☒ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 1: Background Data

Subwatershed:	Outfall ID: T
Today's date: 9-16-11	Time (Military): 11:40
Investigators: ROD BITTNER	Form completed by: ROD BITTNER
Temperature (°F): 55	Rainfall (in.): Last 24 hours: 0 Last 48 hours: 0
Nearest Intersection / Location: CTY HWY ES + CTY HWY J	
Camera:	Photo #s:

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☒ Single Family
- ☐ Multi Family
- ☒ Commercial
- ☒ Open Space
- ☐ Institutional
- Other: AGRICULTURE
- Known Industries: _____

Notes (e.g., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☒ Steel ☐ Other: _____	☐ Circular ☒ Eliptical ☐ Box ☐ Other: _____	☐ Single ☒ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: 24" x 42"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
☐ In-Stream	(applicable when collecting samples)				
Flow Present?	☐ Yes ☒ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☐ Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

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VILLAGE OF MUKWONAGO ILLICIT DISCHARGE FIELD SCREENING SHEET

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☒ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☐ Yes	☒ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

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2011 Snow Season Salt Usage

1-3-11	30 Ton	1/2"
1-5-11	30 Ton	1/2"
1-7-11	30 Ton	1/2"
1-11-11	35 Ton	2.5"
1-14-11	5 Ton	1/4"
1-15-11	25 Ton	3"
1-17-11	20 Ton	3"
1-17-11	20 Ton	1.5"
1-22-11	35 Ton	1.5"
1-23-11	30 Ton	2.5"
1-29-11	30 Ton	1"
2-1-11	25 Ton	5"
2-1-11 + 2-2-11	35 Ton	12" Blizzard
2-6-11	35 Ton	3" To 6"
2-8-11	35 Ton	1/2"
2-11-11	25 Ton	1/4"
2-13-11	35 Ton	1/2" Ice
2-15-11	35 Ton	2.5"
2-21-11	35 Ton	1/2" Ice
2-24-11	10 Ton	1/4" Ice
2-25-11	10 Ton	1/4"
2-26-11	35 Ton	1"
2-26-11	35 Ton	1"
3-5-11	30 Ton	1"
3-9-11	30 Ton	2"
4-23-11	20 Ton	1/2"
12-17-11	30 Ton	1/2"

Total Salt
750 Ton Aprox

Total Snow
51" Aprox

State Wisconsin

Village of Mukwonago

Walworth County
Waukesha County

2012 Budget Summary

50 - Storm Water Dist. #1 (Gateway)

ACCOUNT GROUP	Revenues DESCRIPTION	ACTUAL 2009	ACTUAL 2010	BUDGET 2011	ACTUAL 07/31/11	Projected 12/31/10	Proposed 2012	% increase (decrease)
	Revenue							
4111	General Property Taxes	66,799	-	-	-	-	-	0%
4300	Intergovernmental	-	-	-	-	-	-	0%
4430	Permits	10,202	10,202	14,403	5,101	14,403	14,403	0%
4610	Public Charges for Services	-	-	-	-	-	-	0%
4870	Commercial Revenue	946	152	300	64	100	317	6%
4980	Other General Revenue	15	-	-	3	-	-	
4900	Other Financing Sources	-	-	51,051	-	51,051	47,500	-7%
10	**General Fund Exp totals:**	**77,961**	**10,353**	**65,754**	**5,168**	**65,554**	**62,220**	**-5.4%**
	Expenditures							
5141	Village Administration	4,109	1,386	3,820	5,126	5,126	12,137	218%
5142	Clerk-Treasurer	1,566	3,152	10,883	3,750	9,038	4,422	-59%
5300	DPW Operations	1,239	6,264	18,701	54	15,696	18,311	-2%
5335	Engineering	52,918	-	-	-	-	-	0%
5336	Storm Water Compliance	-	956	32,350	27,384	31,010	27,350	-15%
5660	Conservation	-	-	-	-	-	-	0%
10	**General Fund Exp totals:**	**59,833**	**11,758**	**65,754**	**36,314**	**60,870**	**62,220**	**-5.4%**
	Revenue over (under) Expenses:	**18,129**	**(1,404)**	**-**	**(31,146)**	**4,684**	**(0)**	**0%**

State of Wisconsin

Village of Mukwonago

Walworth County
Waukesha County

Storm Water Fund - Gateway District
2012 Expenditure Budget

50 STORM WATER UTILITY - DISTRICT ONE ACCOUNT	DESCRIPTION	Actual 2009	Actual 2010	Budget 2011	Actual 7/31/2011	Projected 12/31/2011	Proposed 2012	% increase (decrease)	Comments
	REVENUE								
4100	**Taxes**								
50.4100.4111	Property Taxes	66,799						0%	
4100	**Taxes subtotal:**	**66,799**	-	-	-	-	-	**0%**	
4300	**Intergovernmental Grants/Aid**								
50.4300.4363	Stormwater DNR Grant	-		-	-	-	-	0%	
4300	**Intergovernmental Grants/Aid subtotal:**	-		-	-	-	-	**0%**	
4430	**Permits**								
50.4430.4446	Erosion Control Fees - District #1	10,202	10,202	10,203	5,101	10,203	10,203	0%	
	Erosion Control Fees - Inspections			4,200		4,200	4,200	0%	
4430	**Permits subtotal:**	**10,202**	**10,202**	**14,403**	**5,101**	**14,403**	**14,403**	**0%**	
4610	**Public Charges for Services**								
50.4610.4611	Treasurers Fees	-		-	-			0%	
4610	**Public Charges for Services subtotal:**	-	-	-	-	-	-	**0%**	
4870	**Commercial Revenue**								
50.4870.4871	General Interest Revenue	946	152	300	64	100	317	6%	
4870	**Commercial Revenue subtotal:**	**946**	**152**	**300**	**64**	**100**	**317**	**6%**	
4890	**Other General Revenue**								
50.4890.4895	Prior Year Revenue	15		-	3			0%	
4890	**Other General Revenue subtotal:**	**15**	-	-	**3**	-	-	**0%**	
4900	**Other Financing Sources**								
50.4900.4920	Transfers from Other Funds			7,350		7,350	47,500	546%	Transfers from TID #3
50.4900.4930	Fund Balances Applied			43,701		43,701		-100%	
4900	**Other Financing Sources subtotal:**	-	-	**51,051**	-	**51,051**	**47,500**	**546%**	
50	**STORM WATER REVENUE:**	**77,961**	**10,353**	**65,754**	**5,168**	**65,554**	**62,220**	**-5%**	
	EXPENDITURES								
5141	**Village Administrator**								
50.5141.5111	Salaries & Wages						5,018	5018%	
50.5141.5112	Overtime							0%	
50.5141.5151	Social Security						384	384%	
50.5141.5152	Retirement						422	422%	
50.5141.5154	Health Insurance						328	328%	
50.5141.5159	Other Fringe Benefits						76	76%	
50.5141.5219	Professional Services	3,741	468	2,000	2,499	2,499	2,000	0%	
50.5141.5226	Insurance	368	903	910	2,627	2,627	3,000	230%	
50.5141.5324	Membership		15	250			250	0%	
50.5141.5332	Mileage			250			250	0%	
50.5141.5335	Training & Travel			410			410	0%	
50.5141.5399	Other							0%	
5141	**Village Administrator total:**	**4,109**	**1,386**	**3,820**	**5,126**	**5,126**	**12,137**	**218%**	

State of Wisconsin

Village of Mukwonago

Walworth County
Waukesha County

Storm Water Fund - Gateway District
2012 Expenditure Budget

50 STORM WATER UTILITY - DISTRICT ONE ACCOUNT	DESCRIPTION	Actual 2009	Actual 2010	Budget 2011	Actual 7/31/2011	Projected 12/31/2011	Proposed 2012	% increase (decrease)	Comments
	5142 Clerk-Treasurer								
50.5142.5111	Salaries & Wages	1,081	2,394	6,467	2,832	6,000	1,588	-75%	
50.5142.5112	Overtime			71	-		32	-56%	
50.5142.5151	Social Security	80	180	500	200	450	125	-75%	
50.5142.5152	Retirement	139	292	909	313	650	137	-85%	
50.5142.5154	Health Insurance	228	252	1,025	318	680	695	-32%	
50.5142.5159	Other Fringe Benefits	5	6	113	72	113	47	-58%	Longevity, dental & life insurance
50.5142.5225	Telephone			250	-	250	250	0%	
50.5142.5311	Supplies			400	-	400	400	0%	
50.5142.5312	Printing			400	-	250	400	0%	
50.5142.5315	Postage	33	28	500	15	125	500	0%	
50.5142.5399	Other			248		120	248	0%	
5142	**Clerk-Treasurer total:**	1,566	3,152	10,883	3,750	9,038	4,422	-59%	
	5300 DPW Operations								
50.5300.5111	Salaries & Wages	754	141	8,673		8,600	8,673	0%	only Tom B. in 2011
50.5300.5112	Overtime	40		667		667	667	0%	account phased out in 2011
50.5300.5152	Social Security	59	10	711		658	711	0%	Tom B.
50.5300.5154	Retirement	103	19	1,100		1,161	780	-29%	Tom B.
50.5300.5155	Health Insurance	220	61	3,080		3,000	3,044	-1%	All DPW personnel
50.5300.5159	Other Fringe Benefits	63	65	220	54	110	220	0%	All DPW personnel
50.5300.5219	Professional Service		5,633	3,000		1,500	3,000	0%	
50.5300.5311	Supplies		335	500			500	0%	
50.5300.5351	Fuel & Motor Oil			250			250	0%	account consolidation
50.5300.5395	Repairs			250			250	0%	account consolidation
50.5300.5399	Other			250			215	-14%	
5300	**DPW Operations total:**	1,239	6,264	18,701	54	15,696	18,311	-2%	
	5335 Engineering								
50.5335.5219	Professional Service	1,505						0%	regional retention alternatives
50.5335.5321	Stormwater Compliance	3,472						0%	general share
50.5335.5329	Stormwater Plan Expense	47,941						0%	
50.5335.5399	Other							0%	
5335 TOTAL	**Engineering total:**	52,918	-	-	-	-	-	0%	
	5336 Gateway District (TID #3)								
50.5336.5219	Professional Service			30,000	26,375	30,000	25,000	-17%	wetland monitoring
50.5336.5321	Stormwater Compliance		956	2,000	1,009	1,010	2,000	0%	TID #3 share
50.5336.5399	Other			350	-		350	0%	
5336	**Gateway District (TID #3) total:**	-	956	32,350	27,384	31,010	27,350	-15%	
	5660 Conservation & Development								
50.5660.5219	Conservation							0%	
5660	**Conservation & Development total:**	-	-	-	-	-	-	0%	
50	**STORM WATER EXPENDITURES:**	59,833	11,758	65,754	36,314	60,870	62,220	-5%	

General Fund
2012 Expenditures

10 - GENERAL FUND ACCOUNT	DESCRIPTION	ACTUAL 2009	ACTUAL 2010	BUDGET 2011	ACTUAL 07/31/11	Projected 12/31/11	Proposed 2012	% increase (decrease)	Comments
5215	**Police Training**								
10.5215.5311	Supplies	2,760	3,572	3,200	831	3,400	3,000	-6%	
10.5215.5335	Training & Travel	5,001	4,306	3,000	2,358	3,000	3,200	7%	
5215	**Police Training total:**	**7,761**	**7,877**	**6,200**	**3,189**	**6,400**	**6,200**	**0%**	
	Law Enforcement total:	**1,976,114**	**2,194,315**	**2,143,163**	**1,249,598**	**2,198,200**	**2,103,793**	**-1.8%**	
	Emergency Government								
5235	**Emergency Government**								
10.5235.5311	Supplies	-	592	1,200	-	1,200	1,200	0%	
10.5235.5324	Membership	-		50	-	50	50	0%	
10.5235.5335	Training & Travel	-		200	-	200	200	0%	
5235	**Emergency Government total:**	**-**	**592**	**1,450**	**-**	**1,450**	**1,450**	**0%**	
	Building Inspection and Compliance								
5241	**Building Inspection**								
10.5241.5111	Salaries & Wages	114,951	121,198	72,022	57,159	72,022	88,790	23%	Bldg Inspection includes erosion control (Storm Water); portion of salaries allocated to planning/zoning
10.5241.5112	Overtime			459	84	200	384	-16%	Taubert
10.5241.5115	Longevity	500	750	-	-		-	0%	Account phased out-2011
10.5241.5151	Social Security	8,694	9,110	8,798	4,259	5,600	6,835	-22%	
10.5241.5152	Retirement	15,045	16,491	18,302	6,931	14,000	7,780	-57%	
10.5241.5154	Health	31,307	34,242	24,201	20,082	28,000	23,930	-1%	
10.5241.5155	Life	588	677	-	-			0%	Account phased out-2011
10.5241.5156	Dental	1,368	1,350	-	-			0%	Account phased out-2011
10.5241.5159	Other Fringe Benefits			1,849	1,870	1,850	2,033	10%	Longevity, dental & life insurance
10.5241.5219	Professional Services	46	46	3,500	-	3,500	3,500	0%	Zoning Code review & update, esp. sign code, legal, engineering & medical tests
10.5241.5225	Telephone	1,590	1,447	1,600	580	1,600	1,600	0%	Century Tel, long distance, cell phones
10.5241.5311	Supplies	1,037	1,663	2,980	518	1,200	2,980	0%	State & International Code updates, hard hats, office and field supplies
10.5241.5312	Printing	525	1,373	1,100	(517)	650	1,100	0%	forms, permits, business cards
10.5241.5315	Postage	161	100	350	66	180	350	0%	stamps, certified mailings
10.5241.5324	Membership	729	482	850	320	850	850	0%	Bldg Insp. Assoc., Elec. Insp. Assoc., ICC membership, State Licenses
10.5241.5335	Training & Travel	3,736	4,728	5,000	2,731	4,200	5,000	0%	training, meals, mileage, rooms & tuitions
10.5241.5351	Motor Oil, Fuel, Mileage	1,340	1,209	1,700	840	1,700	1,700	0%	gasoline & oil changes
10.5241.5395	Repairs	2,001	549	2,450	351	2,250	2,450	0%	truck & car repairs
10.5241.5399	Other	5,940	1,266	3,020	50	3,000	3,020	0%	State Building permit seals, state forms, Flex-One AFLAC, clothing allowance, computer repairs & service, miscellaneous
5241	**Building Inspection total:**	**189,558**	**196,681**	**148,181**	**95,323**	**140,802**	**152,303**	**3%**	

General Fund
2012 Expenditures

10 - GENERAL FUND ACCOUNT	DESCRIPTION	ACTUAL 2009	ACTUAL 2010	BUDGET 2011	ACTUAL 07/31/11	Projected 12/31/11	Proposed 2012	% increase (decrease)	Comments
5247	**Board of Appeals**								
10.5247.5311	Supplies	-	113	200	-	200	200	0%	
10.5247.5312	Printing	182	583	700	178	700	700	0%	
10.5247.5315	Postage	128	214	200	89	200	200	0%	
5247	**Board of Appeals total:**	310	910	1,100	266	1,100	1,100	0%	
	Inspection and Compliance total:	189,868	197,591	149,281	95,590	141,902	153,403	3%	
	Lake Protection & Flood Prevention								
5254	**Dam Operation and Maintenance**								
10.5254.5111	Salaries and Wages	7,788	7,978	8,111	2,974	7,200	8,056	-1%	
10.5254.5112	Overtime	370	553	673	826	220	667	-1%	
10.5254.5219	Professional Service	341		10,000	-			-100%	Dam upgrade in Capital Improvement Fund
10.5254.5226	Insurance Premiums	577	591	600	892	900	900	50%	
10.5254.5311	Supplies	-		487	-	225	250	-49%	
5254	**Dams total:**	9,076	9,121	19,871	4,692	8,545	9,874	-50%	
5200	**Public Safety Total:**	2,175,058	2,401,619	2,313,765	1,349,880	2,350,097	2,268,519	-2.0%	
5300	**PUBLIC WORKS**								
5301	**DPW Administration**								Was 5300
10.5301.5111	Salaries & Wages			45,825	62,763	84,000	41,488	-9%	2011-Needs budget amendment for Craig retirement
10.5301.5112	Salaries & Wages - Vacation	18,143	20,287	-				0%	
10.5301.5113	Salaries & Wages - Holidays	11,549	10,888	-				0%	
10.5301.5114	Salaries & Wages - Sick Leave	5,934	7,432					0%	
10.5301.5152	Social Security	21,140	21,720	25,944	12,369	25,944	25,353	-2%	
10.5301.5154	Retirement	36,748	39,032	46,967	21,011	46,967	27,839	-41%	
10.5301.5155	Health Insurance	82,265	92,041	101,331	61,660	110,000	103,540	2%	
10.5301.5159	Other Fringe Benefits	7,002	7,394	10,057	7,394	10,057	8,348	-17%	Craig retired in 2011
5301	**DPW Adminstration total:**	182,781	198,794	230,124	165,197	276,968	206,568	-10%	
5323	**Garage**								
10.5323.5111	Salaries and Wages	14,566	16,230	28,087	6,555	20,000	22,386	-20%	
10.5323.5112	Overtime	874	342	2,596	365	1,000	2,597	0%	
10.5323.5219	Professional Service	583	1,436	5,000	-	5,000	5,000	0%	
10.5323.5221	Water-Sewer	2,169	2,116	2,000	1,260	1,650	2,000	0%	New rates in effect - April 2011
10.5323.5222	Electric	7,737	7,801	6,500	4,678	6,300	6,500	0%	
10.5323.5224	Gas	6,385	4,930	7,500	3,367	5,800	7,500	0%	
10.5323.5225	Telephone	3,300	2,859	2,496	1,393	2,400	2,500	0%	
10.5323.5311	Supplies	7,550	8,409	8,420	3,631	8,420	8,420	0%	
10.5323.5315	Postage	127	128	204	69	135	200	-2%	
10.5323.5335	Training & Travel	2,639	922	1,606	383	1,606	1,600	0%	drug tests, safety classes
10.5323.5338	Safety Supplies		928		356	500			
10.5323.5395	Repairs	1,210	1,148	3,958	427	3,500	4,000	1%	
5323	**Garage total:**	47,140	47,248	68,367	22,483	56,311	62,702	-8%	

General Fund
2012 Expenditures

10 - GENERAL FUND ACCOUNT	DESCRIPTION	ACTUAL 2009	ACTUAL 2010	BUDGET 2011	ACTUAL 07/31/11	Projected 12/31/11	Proposed 2012	% increase (decrease)	Comments
5324	**Machinery & Equipment**								
10.5324.5111	Salaries and Wages	43,340	39,942	39,540	20,641	36,000	36,082	-9%	
10.5324.5351	Motor Fuel & Oil	28,811	31,117	30,200	20,160	30,186	30,200	0%	
10.5324.5395	Repairs	29,036	15,381	20,320	8,229	20,000	21,000	3%	
5324	**Machinery & Equipment total:**	**101,187**	**86,440**	**90,060**	**49,030**	**86,186**	**87,282**	**-3%**	
5335	**Engineering**								
10.5335.5219	Professional Services	69,992	36,611	55,000	13,752	28,000	45,000	-18%	
5335	**Engineering total:**	**69,992**	**36,611**	**55,000**	**13,752**	**28,000**	**45,000**	**-18%**	
5341	**Streets, Alleys & Sidewalks**								
10.5341.5111	Salaries and Wages	18,623	14,486	16,666	9,471	15,000	16,475	-1%	
10.5341.5112	Overtime	-		285	-	-	280	-2%	
10.5341.5395	Repairs	26,050	21,055	44,000	14,768	35,000	50,000	14%	crack filling, sidewalk program, minor street repairs
5341	**Streets, Alleys & Sidewalks total:**	**44,673**	**35,541**	**60,951**	**24,240**	**50,000**	**66,754**	**10%**	
5342	**Street Lighting**								
10.5342.5222	Electric	110,677	114,905	120,000	59,013	110,000	120,000	0%	new lights StH 83 north of CtH NN
10.5342.5395	Repairs	443		500	379	250	500	0%	
5342	**Street Lighting total:**	**111,120**	**114,905**	**120,500**	**59,392**	**110,250**	**120,500**	**0%**	
5343	**Curb & Gutters**								**splitting account group:**
10.5343.5111	Salaries and Wages	320	600	4,681	219	1,000	4,623	-1%	2011: sidewalks to Streets & Alleys
10.5343.5395	Repairs	1,445	127	2,000	-	1,000	2,000	0%	Account phased out-2011
5343	**Curb & Gutters total:**	**1,765**	**728**	**6,681**	**219**	**2,000**	**6,623**	**-1%**	
5344	**Storm Sewer**								
10.5344.5111	Salaries and Wages	9,675	10,559	8,722	12,389	14,500	8,673	-1%	
10.5344.5112	Overtime	137	247	673	164	450	667	-1%	
10.5344.5219	Professional Service	502	669	750	1,590	2,000	750	0%	DNR fees, Digger's Hotline (share)
10.5344.5395	Repairs	934	548	5,000	76	1,000	5,000	0%	catch basin repairs
5344	**Storm Sewer total:**	**11,248**	**12,024**	**15,145**	**14,219**	**17,950**	**15,090**	**0%**	
5345	**Street Cleaning**								
10.5345.5111	Salaries and Wages	8,798	6,983	8,469	3,494	7,200	8,378	-1%	
10.5345.5112	Overtime	-			-		-	0%	
10.5345.5395	Repairs	3,838	1,900	2,500	970	2,000	2,500	0%	
5345	**Street Cleaning total:**	**12,636**	**8,883**	**10,969**	**4,464**	**9,200**	**10,878**	**-1%**	
5346	**Bridges & Culverts**								
10.5346.5111	Salaries and Wages	388	880	687	24	684	687	0%	
10.5346.5219	Professional Service	20		2,000	-	1,200	2,000	0%	bridge inspections (Holz Pkwy & Maple Ave)
5346	**Bridges & Culverts total:**	**408**	**880**	**2,687**	**24**	**1,884**	**2,687**	**0%**	

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2012 Expenditures

10 - GENERAL FUND ACCOUNT	DESCRIPTION	ACTUAL 2009	ACTUAL 2010	BUDGET 2011	ACTUAL 07/31/11	Projected 12/31/11	Proposed 2012	% increase (decrease)	Comments
5347	**Snow & Ice Control**								
10.5347.5111	Salaries and Wages	44,232	40,387	54,424	30,731	54,000	64,888	19%	
10.5347.5112	Overtime	13,224	8,073	23,351	8,176	15,000	22,966	-2%	
10.5347.5311	Supplies	53,388	34,145	82,000	37,935	70,000	70,000	-15%	
5347	**Snow & Ice Control total:**	**110,844**	**82,605**	**159,775**	**76,842**	**139,000**	**157,854**	**-1%**	
5348	**Street Signs & Markings**								
10.5348.5111	Salaries and Wages	10,764	11,189	14,034	2,964	7,500	13,870	-1%	
10.5348.5311	Supplies	4,056	4,027	4,950	274	4,926	4,950	0%	
5348	**Street Signs & Markings total:**	**14,820**	**15,217**	**18,984**	**3,238**	**12,426**	**18,820**	**-1%**	
5349	**Tree & Brush Control**								
10.5349.5111	Salaries and Wages	4,702	10,129	5,302	6,295	10,500	5,247	-1%	
10.5349.5112	Overtime	417	247	570	110	450	559	-2%	
10.5349.5351	Motor Fuel & Oil	35	98	200	-	200	200	0%	
5349	**Tree & Brush Control total:**	**5,154**	**10,474**	**6,072**	**6,404**	**11,150**	**6,007**	**-1%**	
5362	**Garbage Collection**								
10.5362.5111	Salaries and Wages	7,117	7,862	6,198	2,948	6,000	6,116	-1%	
5362	**Garbage Collection subtotal:**	**7,117**	**7,862**	**6,198**	**2,948**	**6,000**	**6,116**	**-1%**	
	Public Works total:	**720,885**	**658,211**	**851,513**	**442,452**	**807,325**	**812,880**	**-4.5%**	
	Public Health & Sanitation								
5431	**Animal Pound**								
10.5431.5219	Professional Services	2,620	2,420	2,500	2,620	2,620	2,700	8%	
10.5431.5311	Supplies	-		200	-	200	200	0%	
5431	**Animal Pound total:**	**2,620**	**2,420**	**2,700**	**2,620**	**2,820**	**2,900**	**7%**	
	Public Health & Sanitation total:	**2,620**	**2,420**	**2,700**	**2,620**	**2,820**	**2,900**	**7%**	
	Culture, Leisure and Recreation								
5512	**Red Brick Museum**								
10.5512.5221	Water-Sewer	223	223	350	168	350	350	0%	
10.5512.5222	Electric	4,165	4,115	4,200	2,117	4,200	4,200	0%	
10.5512.5225	Telephone	989	1,219	900	609	850	900	0%	museum added internet 2010
10.5512.5821	Repairs & Improvements	12,566	9,000	5,000	90	5,000	5,000	0%	storm window and sidewalk repair & replacements
5901	CDBG Grant Program						10,150	10150%	Mukwonago Chief microfilm to laserfiche conversion
5512	**Museum total:**	**17,943**	**14,558**	**10,450**	**2,984**	**10,400**	**20,600**	**97%**	

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2012 Expenditures

10 - GENERAL FUND ACCOUNT	DESCRIPTION	ACTUAL 2009	ACTUAL 2010	BUDGET 2011	ACTUAL 07/31/11	Projected 12/31/11	Proposed 2012	% increase (decrease)	Comments
5521	**Parks**								
10.5521.5111	Salaries and Wages	51,405	65,570	58,940	21,628	58,750	55,949	-5%	
10.5521.5112	Overtime	2,843	2,552	5,415	760	1,800	5,314	-2%	
10.5521.5221	Water-Sewer	3,255	3,169	3,272	1,116	2,200	3,272	0%	
10.5521.5222	Electric	7,036	6,999	7,950	3,156	7,150	7,950	0%	
10.5521.5225	Telephone	366	577		-			0%	phone eliminated
10.5521.5311	Supplies	32,742	44,330	40,000	25,617	34,500	40,000	0%	includes service agreements, e.g. ballfield maint., tree service
10.5521.5399	Other	1,819	118	1,000	130	350	1,000	0%	
5521	**Parks total:**	**99,466**	**123,315**	**116,577**	**52,405**	**104,750**	**113,485**	**-3%**	
5522	**Celebrations**								
10.5522.5111	Salaries and Wages	2,752	3,260	2,963	930	2,650	3,443	16%	
10.5522.5112	Overtime	34		285	34	220	280	-2%	
10.5522.5222	Electric	309	442	450	(43)	439	450	0%	
10.5522.5311	Supplies	163	284	200	-	200	200	0%	
10.5522.5395	Repairs	14	96	200	259	300	200	0%	
5522	**Celebrations total:**	**3,272**	**4,081**	**4,098**	**1,180**	**3,809**	**4,572**	**12%**	
	Culture, Leisure and Recreation total:	**120,681**	**141,954**	**131,125**	**56,569**	**118,959**	**138,657**	**6%**	
	Conservation and Development								
5611	**Forestry**								
10.5611.5111	Salaries and Wages	-		996	-	920	978	-2%	
10.5611.5219	Professional Service	-		1,000	1,140	2,280	2,280	128%	24 street trees @ $95 ea.
10.5611.5311	Supplies	-		100	-	100	100	0%	
5611	**Forestry total:**	**-**	**-**	**2,096**	**1,140**	**3,300**	**3,358**	**60%**	
5613	**Weed Control**								
10.5613.5111	Salaries and Wages	822	1,166	996	-	500	978	-2%	
10.5613.5311	Supplies	(8)	73	200	-	190	500	150%	
10.5613.5395	Repairs	75	1,214	1,000	-	780	1,000	0%	
5613	**Weed Control total:**	**889**	**2,453**	**2,196**	**-**	**1,470**	**2,478**	**13%**	