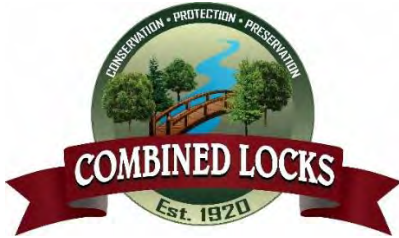


Illicit Discharge Detection & Elimination Program

2023 Field Screening Program



Prepared for the

VILLAGE OF
COMBINED LOCKS
OUTAGAMIE COUNTY, WISCONSIN

FEBRAURY 9, 2024

McMAHON ASSOCIATES, INC.

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McMAHON
ENGINEERS ARCHITECTS

Illicit Discharge Detection & Elimination Program

2023 Field Screening Program



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**VILLAGE OF
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OUTAGAMIE COUNTY, WISCONSIN

FEBRUARY 9, 2024

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Illicit Discharge Detection & Elimination Program

2023 Field Screening Program



Prepared for the
**VILLAGE OF
COMBINED LOCKS**
OUTAGAMIE COUNTY, WISCONSIN

FEBRUARY 9, 2024
McM. No. C0006-09-23-00527

I. INTRODUCTION

As a part of the Village of Combined Locks Illicit Discharge Field Screening Program, two (2) major outfalls, eight (8) minor outfalls and five (5) supplemental outfalls within the Village’s jurisdiction were screened in 2023. For a description of the Village’s Illicit Discharge Field Screening Program, please refer to the ‘Village of Combined Locks Illicit Discharge Detection & Elimination Technical Reference Guide’, March 1, 2021. The March 1, 2021 guide contains a comprehensive description of the program and information on how the program complies with the Village’s WPDES permit from the Wisconsin Department of Natural Resources (DNR). The Village’s screening program also utilizes maps depicting the Village’s outfalls.

II. SUMMARY OF ILLICIT DISCHARGE PROGRAM’S MEASURABLE GOALS

Chapter 5 of the Village of Combined Locks Stormwater Management Plan (March 1, 2021) identifies measurable goals for the Village’s Illicit Discharge Detection and Elimination Program. The measurable goals and associated results for the Village’s 2023 Field Screening Program are as follows:

- Fifteen (15) MS4 outfalls were screened.
- Fifteen (15) outfalls were characterized as unlikely to have an illicit discharge.
- Zero (0) outfalls were characterized as a potential, suspect, or obvious illicit discharge.
- Zero (0) illicit discharge notifications were issued to an adjacent municipality.
- Zero educational materials were distributed to the public during the screening, as McMahon Associates, Inc. personnel did not encounter members of the public during the screening.

III. DATA COLLECTION AND CRITERIA

A. Flow & Chemical Indicators

If flow is present at the outfall, screening personnel will describe the flow (trickle, moderate, or substantial), estimate the flow (in gallons per minute), and measure the temperature (in degrees Celsius).

Flowing outfalls and non-flowing outfalls with a pool of water are also tested for the following chemical indicators: pH, ammonia, conductivity, total chlorine, free chlorine, total copper, total phenol, and detergents. Table #1 provides benchmark levels for chemical indicators as well as detection limits for the sampling equipment. If the chemical indicators at the outfall are above the benchmark levels, screening personnel follow the tracking and response protocol outlined in the Summary of Initial Field Screening Report.

Table #1

**CHEMICAL INDICATOR BENCHMARK
& EQUIPMENT DETECTION LEVELS**

INDICATOR	RECOMMENDED BENCHMARK LEVEL	EQUIPMENT DETECTION LEVEL
Ammonia	0.1 mg/l	0.01 mg/l
Conductivity	2,000 μ S/cm	0 μ S/cm
Detergents	0.5 mg/l	0.01 mg/l
pH	Less than 6 or Greater than 9	0.1
Phenol	Detection or Positive Test	0.1 mg/l
Total Chlorine	Detection or Positive Test	0.01 mg/l
Total Copper	0.1 mg/l	0.01 mg/l

In Appendix B, a chemical indicator with a zero (0) result in the screening reports provided means the indicator was below the detection limit of the sampling equipment.

B. Physical Indicators Related to the Flow

In addition to collecting flow and chemical indicators, screening personnel perform sensory observations for the following physical indicators found at flowing outfalls: odor, color, turbidity, floatable, and cold weather indicators (if screening is done in the winter). Personnel provide a description of these indicators and assign a severity level of 1, 2, or 3 (1 being lowest severity and 3 being highest severity). Table #2 summarizes the severity levels. The report descriptions of the severity levels provided in Table #2 are shown in the individual screening reports.

Table #2

PHYSICAL INDICATORS RELATED TO THE FLOW - SEVERITY LEVELS

PHYSICAL INDICATOR	SEVERITY LEVEL	SCREENING DESCRIPTION	REPORT DESCRIPTION
Odor	1	Faint	Faint
	2	Easily Detected	Moderate
	3	Noticeable from a Distance	Severe
Color	1	Faint Colors in Sample Bottle	Faint
	2	Clearly Visible in Sample Bottle	Moderate
	3	Clearly Visible in Outfall Flow	Severe
Turbidity	1	Slight Cloudiness	Slight
	2	Cloudy	Cloudy
	3	Opaque	Opaque
Floatables	1	Few/Slight; Origin not Obvious	Slight
	2	Some; Indications of Origin	Moderate
	3	Some; Origin Clear	Severe
Cold Weather	1	Slight	Slight
	2	Moderate	Moderate
	3	Significant	Severe

C. Physical Indicators Not Related to the Flow

Screening personnel also perform sensory observations for the following physical indicators that can be found in both flowing and non-flowing outfalls: outfall damage, deposits/stains, abnormal vegetation, poor pool quality, and benthic growth. Personnel provide a description of these indicators and additional comments as needed. If a pool is encountered at an outfall, tests for chemical indicators identified in Section III-A are conducted. Benchmark levels for the chemical indicators identified in Table #1 apply at pools as well. It should be noted that physical indicators in this section may not reveal current illicit discharges.

D. Potential for Illicit Discharge Designation

Once all tests for indicators of illicit discharge are complete, outfalls are assigned a 'Potential for Illicit Discharge' designation. The outfall designations are summarized in Table #3.

Table #3

POTENTIAL FOR ILLICIT DISCHARGE DESIGNATIONS

DESIGNATION	DESCRIPTION
Unlikely	Flowing outfalls with chemical indicators below benchmark levels; flowing and non-flowing outfalls with fewer than two physical indicators.

Table #3

POTENTIAL FOR ILLICIT DISCHARGE DESIGNATIONS

DESIGNATION	DESCRIPTION
Potential	Flowing outfalls with chemical indicator(s) slightly above benchmark levels; flowing and non-flowing outfalls with two or more physical indicators.
Suspect	Flowing outfalls with chemical indicator(s) significantly above benchmark levels and high severity (level 3) on one or more physical indicators.
Obvious	Outfalls where there is dumping or an illicit discharge that does not require sample collection for confirmation.

IV. ILLICIT DISCHARGE & FLOW OBSERVATIONS

A. Flow & Chemical Indicators

Flow was observed at two (2) outfalls (F1a-1 and F2e-1).

Zero (0) outfalls showed chemical indicators above benchmarks identified in Table #1 indicative of an illicit discharge.

B. Physical Indicators Related to the Flow

Zero (0) outfalls showed physical indicators of an illicit discharge related to the flow.

C. Physical Indicators Not Related to the Flow

Zero (0) outfalls showed physical indicators of an illicit discharge not related to the flow.

D. Potential for Illicit Discharge Designations

Per the descriptions provided for the Potential for Illicit Discharge Designations in Table #3, Zero (0) outfalls were characterized as “Potential”, “Suspect”, or “Obvious” for illicit discharge.

Fifteen (15) outfalls were characterized as “Unlikely” for illicit discharge.

V. NON-ILLICIT DISCHARGE OBSERVATIONS

In addition to determining whether an outfall has a possible illicit discharge, screening personnel observe and note non-illicit discharge concerns, such as graffiti, damage to the headwall/endwall structure, litter, etc. Screening personnel also note whether an outfall has been modified/rehabilitated.

Three (3) outfalls (G4j1(1)-2, G3g1-1, G3g3-1) showed signs of non-illicit discharge concerns.

- Outfall G4j1(1)-2 was observed as having a large crack in the pipe.
- Outfall G3g1-1 was observed as having an endwall that is dislocated form pipe.
- Outfall G3g3-1 has an endwall that is completely rusted through and non-existent.

VI. ALTERNATE OUTFALL LOCATION SCREENING

If an outfall is submerged or is considered inaccessible by the screening personnel, the outfall may be screened at an alternate location, such as an upslope manhole.

One (1) outfall (G2a6-1) could not be located, thereby screening was performed at upslope manhole.

VII. RECOMMENDED FUTURE FIELD SCREENING

As described in the ‘Village of Combined Locks Illicit Discharge Detection & Elimination Technical Reference Guide’, March 1, 2021, the major outfalls within the Village’s jurisdiction are to be screened every three (3) years and the minor outfalls are to be screened every five (5) years. Extra screenings are required for outfalls where potential illicit discharges were detected within the previous three (3) years. In addition to annual screening of outfalls where potential illicit discharges were detected within the previous three (3) years, the Village of Combined Locks screens approximately one third of the major and one fifth of the minor outfalls annually. Table #4 summarizes annual screenings due to illicit discharge within the previous three (3) years.

Table #4

FUTURE ANNUAL SCREENING SUMMARY

OUTFALL ID	DETECTION YEAR	DETECTION PARAMETER	ANNUAL SCREENING END YEAR
F1a-1	2022	Ammonia	2025
F2e-1	2022	Ammonia	2025
F2f3-1	2022	Total Chlorine, Copper	2025

If annual screenings do not show illicit discharge indicators for three (3) years, the screening frequency of these outfalls will return to its normal cycle.

The Village has six (6) major outfalls, thirty-seven (37) minor outfalls, and twelve (12) supplemental outfalls in the screening program. Of the twelve (12) supplemental outfalls, one (1) meets the major outfall criteria and is recommended to be screened at the same frequency as major outfalls.

See Appendix A for a table of all the outfalls within the Village’s screening program and the dates of their most recent screening. Appendix B contains the field screening reports for the outfalls screened in the 2023 Field Screening Program.

Outfalls in the Village of Combined Locks Field Screening Program

Village of Combined Locks Outfalls in On-Going Screening Program

Outfall ID	Sub ID	Outfall Location	Outfall Description	Outfall Type	Last Screening
F3a	1	North of Prospect Street, on Fox River	Box Culvert (7'x3')	Major	2022
G1b2	1	South of Appleton Coated Parking Lot	36"	Major	2023
G1b3	1	South of Appleton Coated Parking Lot	36"	Major	2023
G2a4	1	Buchanan Road, 900-feet West of CTH HH	Ditch (48")	Major	2021
G5e3	1	East of Hartjes Street	36"	Major	2021
G5e3	2	East of Hartjes Street	Ditch North of G5e3-1	Major	2021
G5e1(1)	1	Glenview Avenue, east of Park Street	36"	Major-Supplemental	2022
F1a	1	Prospect Street and Darboy Road	MH / 24"	Minor	2023
F2c1	1	Williams Street at Railroad crossing	15" from North	Minor	2019
F2d1	1	North of Wallace Street on Williams Street	15"	Minor	2020
F2d2	1	North of Wallace Street on Williams Street	15"	Minor	2022
F2e	1	North of Wallace Street, East of Jeffery Street	24"	Minor	2023
F2f2	1	East of Elm Street	15"	Minor	2021
F2f3	1	East of Elm St / Kamps Street	18"	Minor	2023
F2f4	1	Southeast of Prospect at Elm	12"	Minor	2020
F2g	1	South of Prospect and southwest of 3-42"	18"	Minor	2021
F3b	1	Prospect Street	12"	Minor	2020
F3d	1	Southeast of Prospect at Elm	12"	Minor	2021
F5a	1	State Street	24"	Minor	2020
G1	2	Prospect Street - northeast of outfall G1-1	18"	Minor	2020
G1	3	Prospect Street - southwest of outfall G1-1	18"	Minor	2020
G1b1	1	Prospect Street, east of Hartjes Street	15"	Minor	2020
G2a5	1	Northeast of Wulgaert Way culdesac	10"	Minor	2020
G2a6	1	South of Vosters Vista	18"	Minor	2023
G2b1	2	Buchanan Road, 300-feet west of Shalimar Court	Ditch NE of Stream	Minor	2022
G2b1	3	Buchanan Road, 300-feet west of Shalimar Court	Ditch NW of Stream	Minor	2022
G2b1	4	Buchanan Road, 300-feet west of Shalimar Court	Ditch SE of Stream	Minor	2022
G2b1	5	Buchanan Road, 300-feet west of Shalimar Court	Ditch SW of Stream	Minor	2022
G3e3	1	DeBruin Rd	30"	Minor	2023
G3g1	1	East of Parkway Drive	30"	Minor	2023
G3g2	1	North of Parkway Drive	18"	Minor	2021
G3g3	1	West of Ombre Rose Dr	18"	Minor	2023
G4j3	1	Hideaway Ridges Pond	24"	Minor	2023
G4l	2	South end of Skylark Drive	Ditch NE of Stream	Minor	2022
G4l	3	South end of Skylark Drive	Ditch NW of Stream	Minor	2022
G5c3	1	West of Brookview Place	12"	Minor	2019
G5c4	1	Southwest of Roger Street and Karlyn Street	12"	Minor	2019
G5c5	1	Northeast of Hidden Ridges Way	15"	Minor	2019
G5c6	1	East of Hidden Ridges Ct	12"	Minor	2019
G5c7	1	West side of Patrick Street	12"	Minor	2019
G5c9(1)	1	East of Park Street, north of Glenview Ave	12" NW of G26a	Minor	2019
G5e1(1)	2	North of Glenview Ave, east of Park Street	15"	Minor	2019
G5e2	1	East of Glenview Ave	12"	Minor	2021
G5e4	1	South of Hartjes Street	Ditch S of Hartjes St	Minor	2019
G3e1(1)	1	Coonen Pond C Inlet	30"	Minor-Supplemental	2021
G3e1(1)	2	Coonen Pond C Inlet	12"	Minor-Supplemental	2021
G3e1(1)	3	Coonen Pond C Inlet	12"	Minor-Supplemental	2021
G3e2(1)	1	Coonen Pond D Inlet	30"	Minor-Supplemental	2023
G3e2	2	DeBruin Rd	12"	Minor-Supplemental	2022
G4k3(1)	1	Ruys Woods Pond Inlet	24"	Minor-Supplemental	2018
G4k3(1)	2	Ruys Woods Pond Inlet	Swale	Minor-Supplemental	2018
G4j1(1)	1	Coonen Pond B Inlet	12"	Minor-Supplemental	2023
G4j1(1)	2	Coonen Pond B Inlet	15"	Minor-Supplemental	2023
G4k1(1)	1	Coonen Pond A Inlet	30"	Minor-Supplemental	2023
G4k1(1)	2	Coonen Pond A Inlet	15"	Minor-Supplemental	2023

APPENDIX B

2023 Outfall Field Screening Reports



Village of Combined Locks
 405 Wallace Street
 Combined Locks, WI 54113
 (920)778-7744

OUTFALL FIELD SCREENING WORKSHEET

MS4 JURISDICTION	OUTFALL TYPE	ID
Village of Combined Locks	Minor	F1a-1

LOCATION DESCRIPTION			DESCRIPTION		
Prospect Street and Darboy Road			MH		
CONVEYANCE TYPE	MATERIAL	STRUCTURE SHAPE	NUMBER OF PIPES	SUBMERGED IN H2O	SUBMERGED IN SEDIMENT
Closed Pipe	RCP	Pipe - Circular	1	No	No
PIPE WIDTH (in.)	PIPE HEIGHT (in.)	TOP WIDTH - FT (OPEN DRAINAGE)	BOTTOM WIDTH - FT (OPEN DRAINAGE)	OPENDRAINAGEDEPTH	
24	24	N/A	N/A	N/A	



Date of Inspection: 09/20/2023	Inspected By: Mike McClone	Previous Rain Fall (Hours): 72	Temperature (°F): 70
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Flow Present: Yes

Physical Indicators within the Flow: No

Flow Description: Moderate	Total Chlorine : 0.02
Approximate Flow: 0	Free Chlorine (mg/l): 0
Flow Temp (°C): 19.16	Total Copper (mg/l): 0.03
pH: 8.3	Total Phenol (mg/l): 0
Ammonia (mg/l): 0.05	Detergents (mg/l): 0.13
Conductivity: 290	

Physical Indicators Present not related to the flow: No

Overall Outfall Characterization
Potential for Illicit Discharge: Unlikely

Non-Illicit Discharge Concerns: N/A

Other Comments: Tested from manhole, sample taken from 18" west

Photo 1 Comments	Photo 2 Comments
N/A	N/A



Village of Combined Locks
 405 Wallace Street
 Combined Locks, WI 54113
 (920)778-7744

OUTFALL FIELD SCREENING WORKSHEET

MS4 JURISDICTION	OUTFALL TYPE	ID
Village of Combined Locks	Minor	F2e-1

LOCATION DESCRIPTION			DESCRIPTION		
North of Wallace Street, East of Jeffery Street			24"		
CONVEYANCE TYPE	MATERIAL	STRUCTURE SHAPE	NUMBER OF PIPES	SUBMERGED IN H2O	SUBMERGED IN SEDIMENT
Closed Pipe	CMP	Pipe - Circular	1	No	No
PIPE WIDTH (in.)	PIPE HEIGHT (in.)	TOP WIDTH - FT (OPEN DRAINAGE)	BOTTOM WIDTH - FT (OPEN DRAINAGE)	OPENDRAINAGEDEPTH	
24	24	N/A	N/A	N/A	



Date of Inspection: 09/20/2023	Inspected By: Mike McClone	Previous Rain Fall (Hours): 72	Temperature (°F): 70
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Flow Present: Yes

Physical Indicators within the Flow: No

Flow Description: Trickle	Total Chlorine : 0.05
Approximate Flow: N/A	Free Chlorine (mg/l): 0.01
Flow Temp (°C): 14.72	Total Copper (mg/l): 0
pH: 8.1	Total Phenol (mg/l): 0
Ammonia (mg/l): 0	Detergents (mg/l): 0.02
Conductivity: 1,080	

Physical Indicators Present not related to the flow: No



Overall Outfall Characterization
Potential for Illicit Discharge: Unlikely

Non-Illicit Discharge Concerns: N/A

Other Comments: N/A

Photo 1 Comments	Photo 2 Comments
N/A	N/A



Village of Combined Locks
 405 Wallace Street
 Combined Locks, WI 54113
 (920)778-7744

OUTFALL FIELD SCREENING WORKSHEET

MS4 JURISDICTION	OUTFALL TYPE	ID
Village of Combined Locks	Minor	F2f3-1

LOCATION DESCRIPTION			DESCRIPTION		
East of Elm St / Kamps Street			18"		
CONVEYANCE TYPE	MATERIAL	STRUCTURE SHAPE	NUMBER OF PIPES	SUBMERGED IN H2O	SUBMERGED IN SEDIMENT
Closed Pipe	PVC	Pipe - Circular	1	No	No
PIPE WIDTH (in.)	PIPE HEIGHT (in.)	TOP WIDTH - FT (OPEN DRAINAGE)	BOTTOM WIDTH - FT (OPEN DRAINAGE)	OPENDRAINAGEDEPTH	
18	18	N/A	N/A	N/A	



Date of Inspection: 10/18/2023	Inspected By: Mike McClone	Previous Rain Fall (Hours): 48	Temperature (°F): 48
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Flow Present: No

Physical Indicators within the Flow: No

Physical Indicators Present not related to the flow: No



Overall Outfall Characterization
Potential for Illicit Discharge: Unlikely

Non-Illicit Discharge Concerns: N/A

Other Comments: N/A

Photo 1 Comments	Photo 2 Comments
N/A	N/A



Village of Combined Locks
 405 Wallace Street
 Combined Locks, WI 54113
 (920)778-7744

OUTFALL FIELD SCREENING WORKSHEET

MS4 JURISDICTION	OUTFALL TYPE	ID
Village of Combined Locks	Major	G1b2-1

LOCATION DESCRIPTION			DESCRIPTION		
South of Appleton Coated Parking Lot			36"		
CONVEYANCE TYPE	MATERIAL	STRUCTURE SHAPE	NUMBER OF PIPES	SUBMERGED IN H2O	SUBMERGED IN SEDIMENT
Closed Pipe	RCP	Pipe - Circular	1	No	Partially
PIPE WIDTH (in.)	PIPE HEIGHT (in.)	TOP WIDTH - FT (OPEN DRAINAGE)	BOTTOM WIDTH - FT (OPEN DRAINAGE)	OPENDRAINAGEDEPTH	
36	36	N/A	N/A	N/A	



Date of Inspection: 09/20/2023	Inspected By: Mike McClone	Previous Rain Fall (Hours): 72	Temperature (°F): 70
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Flow Present: No

Physical Indicators within the Flow: No

Physical Indicators Present not related to the flow: No



Overall Outfall Characterization
Potential for Illicit Discharge: Unlikely

Non-Illicit Discharge Concerns: N/A

Other Comments: N/A

Photo 1 Comments	Photo 2 Comments
N/A	N/A



Village of Combined Locks
 405 Wallace Street
 Combined Locks, WI 54113
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OUTFALL FIELD SCREENING WORKSHEET

MS4 JURISDICTION	OUTFALL TYPE	ID
Village of Combined Locks	Major	G1b3-1

LOCATION DESCRIPTION			DESCRIPTION		
South of Appleton Coated Parking Lot			N/A		
CONVEYANCE TYPE	MATERIAL	STRUCTURE SHAPE	NUMBER OF PIPES	SUBMERGED IN H2O	SUBMERGED IN SEDIMENT
Closed Pipe	N/A	Pipe - Circular	1	No	Partially
PIPE WIDTH (in.)	PIPE HEIGHT (in.)	TOP WIDTH - FT (OPEN DRAINAGE)	BOTTOM WIDTH - FT (OPEN DRAINAGE)	OPENDRAINAGEDEPTH	
36	36	N/A	N/A	N/A	



Date of Inspection: 09/20/2023	Inspected By: Mike McClone	Previous Rain Fall (Hours): 72	Temperature (°F): 70
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Flow Present: No

Physical Indicators within the Flow: No

Physical Indicators Present not related to the flow: No



Overall Outfall Characterization
Potential for Illicit Discharge: Unlikely

Non-Illicit Discharge Concerns: N/A

Other Comments: N/A

Photo 1 Comments	Photo 2 Comments
N/A	N/A



Village of Combined Locks
 405 Wallace Street
 Combined Locks, WI 54113
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OUTFALL FIELD SCREENING WORKSHEET

MS4 JURISDICTION	OUTFALL TYPE	ID
Village of Combined Locks	Minor	G2a6-1

LOCATION DESCRIPTION			DESCRIPTION		
South of Vosters Vista			N/A		
CONVEYANCE TYPE	MATERIAL	STRUCTURE SHAPE	NUMBER OF PIPES	SUBMERGED IN H2O	SUBMERGED IN SEDIMENT
Closed Pipe	HDPE	Pipe - Circular	1	No	No
PIPE WIDTH (in.)	PIPE HEIGHT (in.)	TOP WIDTH - FT (OPEN DRAINAGE)	BOTTOM WIDTH - FT (OPEN DRAINAGE)	OPENDRAINAGEDEPTH	
18	18	N/A	N/A	N/A	



Date of Inspection: 09/20/2023	Inspected By: Mike McClone	Previous Rain Fall (Hours): 72	Temperature (°F): 70
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Flow Present: No

Physical Indicators within the Flow: No

Physical Indicators Present not related to the flow: No



Overall Outfall Characterization
Potential for Illicit Discharge: Unlikely

Non-Illicit Discharge Concerns: N/A

Other Comments: Could not locate, inspected upstream manhole on east side of driveway- no flow at time of inspection.

Photo 1 Comments	Photo 2 Comments
N/A	N/A



Village of Combined Locks
 405 Wallace Street
 Combined Locks, WI 54113
 (920)778-7744

OUTFALL FIELD SCREENING WORKSHEET

MS4 JURISDICTION	OUTFALL TYPE	ID
Village of Combined Locks	Major	G3e2-1

LOCATION DESCRIPTION			DESCRIPTION		
DeBruin Rd			12"		
CONVEYANCE TYPE	MATERIAL	STRUCTURE SHAPE	NUMBER OF PIPES	SUBMERGED IN H2O	SUBMERGED IN SEDIMENT
N/A	N/A	N/A	N/A	N/A	N/A
PIPE WIDTH (in.)	PIPE HEIGHT (in.)	TOP WIDTH - FT (OPEN DRAINAGE)	BOTTOM WIDTH - FT (OPEN DRAINAGE)	OPENDRAINAGEDEPTH	
12	12	N/A	N/A	N/A	



Date of Inspection: 09/20/2023	Inspected By: Mike McClone	Previous Rain Fall (Hours): 72	Temperature (°F): 70
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Flow Present: No

Physical Indicators within the Flow: No

Physical Indicators Present not related to the flow: No



Overall Outfall Characterization
Potential for Illicit Discharge: Unlikely

Non-Illicit Discharge Concerns: N/A

Other Comments: N/A

Photo 1 Comments	Photo 2 Comments
N/A	N/A



Village of Combined Locks
 405 Wallace Street
 Combined Locks, WI 54113
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OUTFALL FIELD SCREENING WORKSHEET

MS4 JURISDICTION	OUTFALL TYPE	ID
Village of Combined Locks	Minor	G3e3-1

LOCATION DESCRIPTION			DESCRIPTION		
DeBruin Rd			N/A		
CONVEYANCE TYPE	MATERIAL	STRUCTURE SHAPE	NUMBER OF PIPES	SUBMERGED IN H2O	SUBMERGED IN SEDIMENT
Closed Pipe	CMP	Pipe - Circular	1	No	No
PIPE WIDTH (in.)	PIPE HEIGHT (in.)	TOP WIDTH - FT (OPEN DRAINAGE)	BOTTOM WIDTH - FT (OPEN DRAINAGE)	OPENDRAINAGEDEPTH	
24	24	N/A	N/A	N/A	



Date of Inspection: 09/20/2023	Inspected By: Mike McClone	Previous Rain Fall (Hours): 72	Temperature (°F): 70
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Flow Present: No

Physical Indicators within the Flow: No

Physical Indicators Present not related to the flow: No



Overall Outfall Characterization
Potential for Illicit Discharge: Unlikely

Non-Illicit Discharge Concerns: N/A

Other Comments: N/A

Photo 1 Comments	Photo 2 Comments
N/A	N/A



Village of Combined Locks
 405 Wallace Street
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OUTFALL FIELD SCREENING WORKSHEET

MS4 JURISDICTION	OUTFALL TYPE	ID
Village of Combined Locks	Minor	G3g1-1

LOCATION DESCRIPTION			DESCRIPTION		
East of Parkway Drive			30"		
CONVEYANCE TYPE	MATERIAL	STRUCTURE SHAPE	NUMBER OF PIPES	SUBMERGED IN H2O	SUBMERGED IN SEDIMENT
Closed Pipe	RCP	Pipe - Circular	1	No	No
PIPE WIDTH (in.)	PIPE HEIGHT (in.)	TOP WIDTH - FT (OPEN DRAINAGE)	BOTTOM WIDTH - FT (OPEN DRAINAGE)	OPENDRAINAGEDEPTH	
30	30	N/A	N/A	N/A	



Date of Inspection: 09/20/2023	Inspected By: Mike McClone	Previous Rain Fall (Hours): 72	Temperature (°F): 70
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Flow Present: No

Physical Indicators within the Flow: No

Physical Indicators Present not related to the flow: No



Overall Outfall Characterization
Potential for Illicit Discharge: Unlikely

Non-Illicit Discharge Concerns: Endwall walking away see pic
 Other Comments: N/A

Photo 1 Comments	Photo 2 Comments
N/A	N/A



Village of Combined Locks
 405 Wallace Street
 Combined Locks, WI 54113
 (920)778-7744

OUTFALL FIELD SCREENING WORKSHEET

MS4 JURISDICTION	OUTFALL TYPE	ID
Village of Combined Locks	Minor	G3g3-1

LOCATION DESCRIPTION			DESCRIPTION		
West of Ombre Rose Dr			18"		
CONVEYANCE TYPE	MATERIAL	STRUCTURE SHAPE	NUMBER OF PIPES	SUBMERGED IN H2O	SUBMERGED IN SEDIMENT
Closed Pipe	PVC	Pipe - Circular	1	No	No
PIPE WIDTH (in.)	PIPE HEIGHT (in.)	TOP WIDTH - FT (OPEN DRAINAGE)	BOTTOM WIDTH - FT (OPEN DRAINAGE)	OPENDRAINAGEDEPTH	
18	18	N/A	N/A	N/A	



Date of Inspection: 09/20/2023	Inspected By: Mike McClone	Previous Rain Fall (Hours): 72	Temperature (°F): 70
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Flow Present: No

Physical Indicators within the Flow: No

Physical Indicators Present not related to the flow: No



Overall Outfall Characterization
Potential for Illicit Discharge: Unlikely

Non-Illicit Discharge Concerns: Endwall gone see pic

Other Comments: N/A

Photo 1 Comments	Photo 2 Comments
N/A	N/A



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OUTFALL FIELD SCREENING WORKSHEET

MS4 JURISDICTION	OUTFALL TYPE	ID
Village of Combined Locks	Minor - Supplemental	G4j1(1)-1

LOCATION DESCRIPTION			DESCRIPTION		
East side of Coenen Phase B Pond			12"		
CONVEYANCE TYPE	MATERIAL	STRUCTURE SHAPE	NUMBER OF PIPES	SUBMERGED IN H2O	SUBMERGED IN SEDIMENT
Closed Pipe	RCP	Pipe - Circular	1	No	No
PIPE WIDTH (in.)	PIPE HEIGHT (in.)	TOP WIDTH - FT (OPEN DRAINAGE)	BOTTOM WIDTH - FT (OPEN DRAINAGE)	OPENDRAINAGEDEPTH	
12	12	N/A	N/A	N/A	



Date of Inspection: 09/20/2023	Inspected By: Mike McClone	Previous Rain Fall (Hours): 72	Temperature (°F): 70
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Flow Present: No

Physical Indicators within the Flow: No

Physical Indicators Present not related to the flow: No



Overall Outfall Characterization
Potential for Illicit Discharge: Unlikely

Non-Illicit Discharge Concerns: N/A

Other Comments: N/A

Photo 1 Comments	Photo 2 Comments
N/A	N/A



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OUTFALL FIELD SCREENING WORKSHEET

MS4 JURISDICTION	OUTFALL TYPE	ID
Village of Combined Locks	Minor - Supplemental	G4j1(1)-2

LOCATION DESCRIPTION			DESCRIPTION		
North side of Coenen Phase B Pond			15"		
CONVEYANCE TYPE	MATERIAL	STRUCTURE SHAPE	NUMBER OF PIPES	SUBMERGED IN H2O	SUBMERGED IN SEDIMENT
Closed Pipe	RCP	Pipe - Circular	1	No	No
PIPE WIDTH (in.)	PIPE HEIGHT (in.)	TOP WIDTH - FT (OPEN DRAINAGE)	BOTTOM WIDTH - FT (OPEN DRAINAGE)	OPENDRAINAGEDEPTH	
15	15	N/A	N/A	N/A	



Date of Inspection: 09/20/2023	Inspected By: Mike McClone	Previous Rain Fall (Hours): 72	Temperature (°F): 70
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Flow Present: No

Physical Indicators within the Flow: No

Physical Indicators Present not related to the flow: No



Overall Outfall Characterization
Potential for Illicit Discharge: Unlikely

Non-Illicit Discharge Concerns: N/A

Other Comments: Pipe cracked

Photo 1 Comments	Photo 2 Comments
N/A	N/A



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OUTFALL FIELD SCREENING WORKSHEET

MS4 JURISDICTION	OUTFALL TYPE	ID
Village of Combined Locks	Minor	G4j6-1

LOCATION DESCRIPTION			DESCRIPTION		
Hideaway Ridges Pond			24"		
CONVEYANCE TYPE	MATERIAL	STRUCTURE SHAPE	NUMBER OF PIPES	SUBMERGED IN H2O	SUBMERGED IN SEDIMENT
Closed Pipe	RCP	Pipe - Circular	1	No	Partially
PIPE WIDTH (in.)	PIPE HEIGHT (in.)	TOP WIDTH - FT (OPEN DRAINAGE)	BOTTOM WIDTH - FT (OPEN DRAINAGE)	OPENDRAINAGEDEPTH	
24	24	N/A	N/A	N/A	



Date of Inspection: 09/20/2023	Inspected By: Mike McClone	Previous Rain Fall (Hours): 72	Temperature (°F): 70
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Flow Present: No

Physical Indicators within the Flow: No

Physical Indicators Present not related to the flow: No



Overall Outfall Characterization
Potential for Illicit Discharge: Unlikely

Non-Illicit Discharge Concerns: N/A

Other Comments: N/A

Photo 1 Comments	Photo 2 Comments
N/A	N/A



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OUTFALL FIELD SCREENING WORKSHEET

MS4 JURISDICTION	OUTFALL TYPE	ID
Village of Combined Locks	Minor - Supplemental	G4k1(1)-1

LOCATION DESCRIPTION			DESCRIPTION		
Coonen Pond A S Inlet			30"		
CONVEYANCE TYPE	MATERIAL	STRUCTURE SHAPE	NUMBER OF PIPES	SUBMERGED IN H2O	SUBMERGED IN SEDIMENT
Closed Pipe	RCP	Pipe - Circular	1	No	No
PIPE WIDTH (in.)	PIPE HEIGHT (in.)	TOP WIDTH - FT (OPEN DRAINAGE)	BOTTOM WIDTH - FT (OPEN DRAINAGE)	OPENDRAINAGEDEPTH	
30	30	N/A	N/A	N/A	



Date of Inspection: 09/20/2023	Inspected By: Mike McClone	Previous Rain Fall (Hours): 72	Temperature (°F): 70
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Flow Present: No

Physical Indicators within the Flow: No

Physical Indicators Present not related to the flow: No



Overall Outfall Characterization
Potential for Illicit Discharge: Unlikely

Non-Illicit Discharge Concerns: N/A

Other Comments: N/A

Photo 1 Comments	Photo 2 Comments
N/A	N/A



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OUTFALL FIELD SCREENING WORKSHEET

MS4 JURISDICTION	OUTFALL TYPE	ID
Village of Combined Locks	Minor - Supplemental	G4k1(1)-2

LOCATION DESCRIPTION			DESCRIPTION		
Coonen Pond A W Inlet			15"		
CONVEYANCE TYPE	MATERIAL	STRUCTURE SHAPE	NUMBER OF PIPES	SUBMERGED IN H2O	SUBMERGED IN SEDIMENT
Closed Pipe	RCP	Pipe - Circular	1	No	No
PIPE WIDTH (in.)	PIPE HEIGHT (in.)	TOP WIDTH - FT (OPEN DRAINAGE)	BOTTOM WIDTH - FT (OPEN DRAINAGE)	OPENDRAINAGEDEPTH	
15	15	N/A	N/A	N/A	



Date of Inspection: 09/20/2023	Inspected By: Mike McClone	Previous Rain Fall (Hours): 72	Temperature (°F): 70
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Flow Present: No

Physical Indicators within the Flow: No

Physical Indicators Present not related to the flow: No



Overall Outfall Characterization
Potential for Illicit Discharge: Unlikely

Non-Illicit Discharge Concerns: N/A

Other Comments: N/A

Photo 1 Comments	Photo 2 Comments
N/A	N/A