STATUS REPORT ON PHASE II STORM WATER PERMIT

ILLICIT DISCHARGE AND ELIMINATION PROGRAM OUTFALL INSPECTION AND MONITORING

FOR

LATHRUP VILLAGE



AUGUST 2021

Prepared by:



Table of Contents

umn	nary of IDEP Activities	
	Illicit Discharge and Elimination Plan – Procedure	
	A. Dry Weather Visual Storm Sewer Outfall Inspections	
	3. Wet Weather Visual Storm Sewer Outfall Inspections	
(C. Storm Outfall Sampling	4
L	O. Sampling Results	5
E	E. Outfall Inspection Results	5
II.	Short-Term Illicit Discharge and Elimination Plan Program	11
III.	Long-Term Illicit Discharge Elimination Plan Program	11
IV.	Summary and Recommendation	11

Appendices – Appendix A – Outfall Map

Appendix B – Outfall List and Field Checklist

Appendix C – Analytical Sample Laboratory Results/Reports

Summary of IDEP Activities

This report summarizes the City of Lathrup Village's Illicit Discharge and Elimination Plan (IDEP) outfall inspection activities for the 2020-2021 testing years. The IDEP has been developed to partially fulfill the requirements for the State of Michigan's NPDES permit for Storm Water Discharge from the Municipal Separate Storm Sewer Systems (MS4s).

As a requirement of the IDEP, the City must inspect all its storm sewer outfalls every five (5) years. These include the outfalls identified in the current MS4 permit along with any new outfalls that may be identified subsequently. Lathrup Village is also part of the Alliance of Rouge Communities (ARC) which assists with some of the City's MS4 permit tasks. The ARC has a Collaborative Illicit Discharge Elimination Program (IDEP) for all of its participating communities that presents the watershed-wide approach to effectively and efficiently address IDEP requirements.

Hubbell, Roth & Clark, Inc. (HRC) inspected the City's eight (8) permit identified outfalls. Appendix A of this report contains the outfall map illustrating all known outfalls within Lathrup Village.

I. Illicit Discharge and Elimination Plan – Procedure

Lathrup Village's short-term illicit discharge and elimination program efforts have been focused on the following:

- Inspecting known storm outfalls visually (as identified through review of existing sewer maps)
- Eliminating illicit discharges as they are identified through visual monitoring of known storm outfalls
- Field observation to identify and verify additional storm outfalls that may not have been identified through review of existing sewer maps.

This procedure is consistent with the MS4 permit requirements.

A. Dry Weather Visual Storm Sewer Outfall Inspections

Since dry weather discharges may be indicative of illicit connections, the outfalls were visually inspected during dry weather periods. For this investigation, dry weather was defined as periods when there had not been precipitation (or snow melt) for a minimum of two (2) days or forty-eight (48) hours. If any instances occurred where the storm water outfall was submerged, the upstream manhole/pipe would be inspected.

The indicators of potential illicit connections used in this study were:

- Blockage
- Deposits/Stains
- Dry Weather Flow
- Presence/absence of flow

- Estimated flow Rate
- Floatables
- Odor
- Water Color
- Visible Debris
- Size of Outfall
- Outfall/Pipe Material
- Turbidity
- Structural Condition

Visual observations were documented on tablets under the ArcGIS checklist for each outfall inspected along with pictures. ArcGIS is an online system that provides data-driven mapping and analyses. The work can be shared and integrated across other users who log into ArcGIS. An example of the field checklist/inspection form used is shown in Appendix B.

B. Wet Weather Visual Storm Sewer Outfall Inspections

Per Lathrup Village's MS4 stormwater permit, it requires that if there is a Total Maximum Daily Load (TMDL) established by the Department for the receiving water, which restricts the discharge of any of the identified significant materials or constituents of those materials, then the Stormwater Pollution Prevention Plan (SWPPP) shall identify the level of control for those materials necessary to comply with the TMDL, and an estimate of the current annual load of those materials via storm water discharges to the receiving stream. The City's SWPPP states a TMDL pollutant for Biota, which includes Fish and Macroinvertebrate Communities rated poor who now score acceptable or excellent in Procedure 51 biomonitoring and Sedimentation/Siltation with a target mean annual suspended sediment concentration 80 mg/L during wet weather.

Per the ARC Collaborative IDEP, the biota assessments apply to the entire watershed. Suspended sediment levels were measured at 90 sites across the watershed in 2017. Suspended sediment sampling will be repeated during wet weather at sites where the average wet weather TSS values exceeded 80 mg/l and where single sample values exceeded 120 mg/L in 2017. The TMDL monitoring report should be complete March 30, 2023.

C. Storm Outfall Sampling

Outfalls that had flow during dry weather were sampled for Escherichia coli (E. coli) which is one of the main indicators of an illicit connection.

Parameter	Found In	Potential Source(s)
Escherichia Coli (E. coli)	Sewage	Human or Animal Waste

Escherichia coli (E. coli)

The Michigan water quality standard for E. coli for recreational total body contact is 130 colonies per 100ml of water as a 30-day geometric mean or shall not exceed 300 colonies per 100ml of water at any one time.

D. Sampling Results

Samples during dry weather inspections were taken from one (1) outfall as noted in the following table. The analytical samples for this study were tested at Test America in Brighton. No other flow was present. See Appendix C for the Analytical Reports.

Lab Results Table

Outfall ID	E. Coli Level	State Allowable Limit (cfu per 100ml)
4	4.1	300

E. Outfall Inspection Results

Of the eight (8) outfalls inspected, three (3) were noted to be in good condition, two (2) in fair condition, and two (2) were noted to be in poor condition. One (1) should be removed from the outfall list. Below are the criteria used to determine the outfall condition.

Good: Outfall was noted to be clean, fully operational and with no notable condition deficiencies.

Fair: Outfall had minimal to moderate erosion and/or sediment accumulation but is not impacting capacity or functionality.

Poor: Outfall had moderate to severe erosion, sediment accumulation, and/or was buried impacting capacity and/or functionality.

Outfall ID	Condition
4	Good
7	Good
8	Good
1	Fair
5	Fair
2	Poor
3	Poor
6	Remove

Outfalls 4, 7 and 8 were categorized as Good as no issues were found. Outfalls 1 and 5 were categorized as Fair since they had structural issues. Outfalls 2 and 3 were categorized as Poor. Outfall 2 had stagnant water and dirt in pipe. A size could not be measured accurately. Outfall 3 was buried and an inspection had to be taken at the upstream manhole. Outfall 6 is only a curb catch basin that accepts road flow and should be eliminated from the outfall list.

The following pages contain the inspection summary of each outfall including the outfall material, size, condition assessment, and picture.

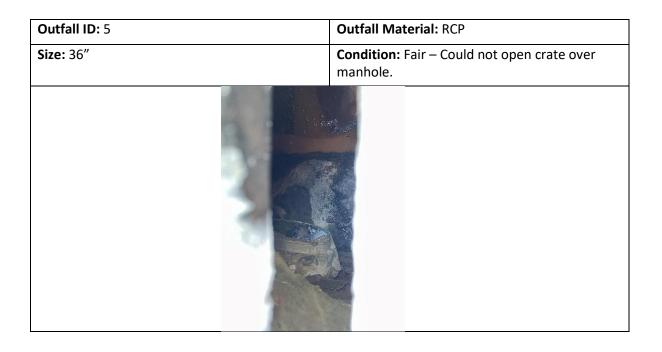
Outfall ID: 1	Outfall Material: RCP					
Size: 24"	Condition: Fair – Crack on top of structure and wing wall is separating. Exposed on top.					



Page **7** of **12** IDEP Outfall Inspection Report August 2021

Outfall ID: 3	Outfall Material: Unknown
Size: 42"	Condition: Poor – Original outfall was buried. Upstream manhole did not have enough water to sample.











Page **10** of **12** IDEP Outfall Inspection Report August 2021

II. Short-Term Illicit Discharge and Elimination Plan Program

The sample taken at Outfall 4 did not result in high levels of E. coli so no further action is required there. Lathrup Village should eliminate Outfall 6 and update any documents to reflect this change. This should be added to the number of catch basins the City has. During the next permit reissuance cycle, EGLE should be notified of this change.

It is recommended that the City should inspect Outfall 1 due to the deterioration of the crack on top of the structure and the exposed wing wall that has been separated to determine next steps to fixing the structure. The City should clean out or grade the section around Outfall 2 to remove the stagnant water and dirt in outfall.

III. Long-Term Illicit Discharge Elimination Plan Program

The long-term IDEP efforts will focus on maintaining compliance with the Illicit Discharge Elimination Plan, including inspecting all storm drain outfalls every five (5) years. The inspections shall include the outfalls from this report along with any new outfalls that may be identified and/or constructed subsequently.

Lathrup Village should continue public education of reporting dumping in the storm drain and encourage all residents and staff to contact the City should any suspicious discharges be witnessed at an outfall.

The City should continue the training of its Department of Public Works staff. DPW personnel are the best source for discovering illicit discharges and dumping since they are frequently in the field. Training should consist of how to identify an illicit connection or dumping and the steps that need to be taken upon discovery.

IV. Summary and Recommendation

In order to maintain compliance with its MS4 Permit, Lathrup Village completed the IDEP activities as outlined herein. HRC inspected the City's 8 outfalls, with 1 eliminated which comes to a new total of 7 outfalls for the City. Appendix A of this report contains the outfall map illustrating all known outfalls in the City.

A total of 8 outfalls were inspected throughout the City. Samples during dry weather inspections were taken from one (1) outfall: outfall 4. The sample result came to only 4.1 which is lower than the state allowable limit of 300 per 100ml.

During the IDEP inspections, Outfall 2 and 3 were categorized as poor. Outfall 2 had stagnant water and dirt in pipe. A size could not be measured accurately. Outfall 3 was buried and an inspection had to be taken at the upstream manhole. In addition, Outfall 6 should be removed from the City's map and list and is no longer a City outfall. This outfall is located on Evergreen Rd just north of 11 Mile on the east side. This outfall is actually a curb

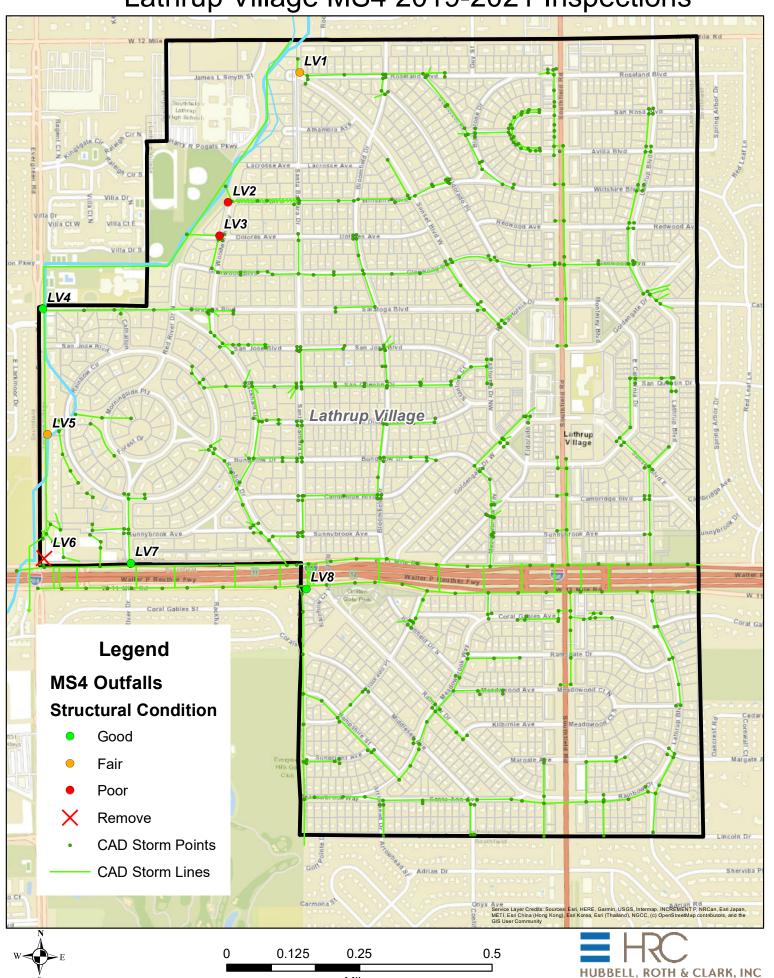
catch basin that only accepts road flow and does not connect to any other storm structure. No other flow was present. This point should be added to the catch basin list. Outfall 7 is located in the busy intersection of 11 Mile and Evergreen so the catch basin upstream was inspected. The curb catch basin located on 11 Mile just south of Red River Rd was inspected, but a sample could not be taken. Flow was not present enough to grab enough water.

Next Steps:

- Inspect Outfall 1 for maintenance needs
- Inspect Outfall 2 for maintenance needs
- Update outfall map and list remove Outfall 6. Add to catch basin list
- Continue public education and training of staff

Appendix A - Outfall Map

Lathrup Village MS4 2019-2021 Inspections



Miles

ent Path: T:|Depts|EED|StormwaterPermits|LathrupVillage|IDEP|2020 Inspections|GIS|LathrupVillageMap.mxd

CONSULTING ENGINEERS SINCE 1915

Appendix B - Outfall List and Field Checklist

Presence/Absence of	
---------------------	--

Outfall_ID	Location	Date Crew	Blockage	Size_IN	Material	Dry Flow	Flow	Flow Comments	Temperatu Water Color	Water Turbidity	Flow Rate	Odor	Floatables
LV1	Lathrup Village	10/29/2020 12:39 A. Aller	Clean	24"	RCP	No	No - Absense		0				
LV2	Lathrup Village	10/29/2020 13:10 A. Aller	25	% Other	RCP	No			0				
LV3	Lathrup Village	10/29/2020 13:39 A. Aller		Other		Yes		Not enough water flow to sample.	0				
LV4	Lathrup Village	10/29/2020 14:40 A. Aller	Clean	Other	RCP	Yes	Yes - Presence		0 Clear	Clear	Slow	None	None
LV5	Lathrup Village	2/11/2021 15:05 A. Aller		36"	RCP	No	No - Absense	<null></null>	0				
LV6	Lathrup Village	3/9/2021 19:11 A. Aller				No	No - Absense		0				
LV7	Lathrup Village	3/9/2021 19:41 A. Aller		12"	RCP	No	No - Absense		0		Slow		
LV8	Lathrup Village	10/29/2020 16:41 A. Aller	Clean	54"		Yes		Minimal flow. Cannot capture.	0		Moderate		

		Structural					
Deposits Stains	Visible Debris	Condition	Comments	Address	Drain Name	Last Rainfall Complete	CreationDate *
	None	Fair	Crack on top of structure and wing wall is separating. Exposed on top.	19030 Roseland	Rummell Drain	10/27/2020 Yes	1/6/2021 19:34
	Natural	Fair	Stagnant water and dirt in outfall. Recommend cleaning out or grading section.	19120 Wiltshire	Rummell Drain	10/27/2020 Yes	1/6/2021 19:34
	None		Upstream manhole. Original outfall cannot access as it's buried.	28425 Woodworth Way	Rummell Drain	10/27/2020 Yes	1/6/2021 19:34
Other	None	Good	At intersection. Manhole on South side of Saratoga as you turn from Evergreen.	Saratoga and Evergreen	Rummell Drain	10/27/2020 Yes	1/6/2021 19:34
		Fair	Could not open crate over manhole. Pipe connecting to the north and to the east.	27456 Evergreen	Rummell Drain	2/9/2021 Yes	1/6/2021 19:34
		Good	Road catch basin located here off of Evergreen. Intake of flow from road and nothing else.	Evergreen	Rummell	2/28/2021 Yes	3/10/2021 19:20
			Catch basin on curb off of 11 Mile. Very slow flow coming from northeast pipe. Could not catch enough water. Could	i			
		Good	not capture water on very bottom of pipe as stick was not long enough. Water was flowing west.	Red Run Dr and 11 Mile	Rummell	2/28/2021 Yes	3/10/2021 19:45
	None		Cannot see structure.	18951 Rainbow Ct	Rummell Drain	10/27/2020 Yes	1/6/2021 19:34

Appendix C - Analytical Sample Laboratory Results/Reports



ANALYTICAL REPORT

Eurofins TestAmerica, Michigan 10448 Citation Drive Suite 200 Brighton, MI 48116 Tel: (810)229-2763

Laboratory Job ID: 190-24500-1 Client Project/Site: Lathrup Village

For:

eurofins

Hubbell, Roth & Clark Inc **PO BOX 824** Bloomfield Hills, Michigan 48303

Attn: Kyle Anderson

Sue Schafer

Authorized for release by: 11/20/2020 12:33:20 PM

Sue Schafer, Project Manager II (810)229-2763

Sue.Schafer@Eurofinset.com

·····LINKS ······

Review your project results through Total Access

Have a Question?



Visit us at:

www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Hubbell, Roth & Clark Inc Project/Site: Lathrup Village Laboratory Job ID: 190-24500-1

2

Table of Contents

Cover Page	1
Table of Contents	2
Sample Summary	3
Case Narrative	
Subcontract Data	5
Definitions/Glossary	8
Chain of Custody	ç

Sample Summary

Client: Hubbell, Roth & Clark Inc Project/Site: Lathrup Village Job ID: 190-24500-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
190-24500-1	LV4	Water	10/29/20 11:05	10/29/20 13:45	

3

4

J

Case Narrative

Client: Hubbell, Roth & Clark Inc Project/Site: Lathrup Village Job ID: 190-24500-1

Job ID: 190-24500-1

Laboratory: Eurofins TestAmerica, Michigan

Narrative

Job Narrative 190-24500-1

Comments

No additional comments.

Receipt

The sample was received on $10/29/2020\ 1:45\ PM$; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was $0.0^{\circ}\ C$.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

4

5

6





2105 Pless Drive Brighton, Michigan 48114 Phone (810)229-7575 Fax (810)229-8650 E-mail bai-brighton@sbcglobal.net

October 30, 2020

Eurofins/TA 10448 Citation Dr. Brighton, MI 48116

Subject: HRC-Lathrup Village

COC#190-24500

Dear Ms. Schafer:

Thank you for making Brighton Analytical, L.L.C. your laboratory of choice. Attached are the results for the samples submitted on 10/29/2020 for the above mentioned project. NELAP/TNI Accredited Analysis and EGLE Drinking Water Certified Analysis will be identified in their respective reporting formats. Hard copies can be supplied at your request for a fee of \$20.00 per copy.

The invoice for this project will be emailed separately. If you have any questions concerning the data or invoice, please don't hesitate to contact our office. We welcome your comments and suggestions to improve our quality systems. Please reference Brighton Analytical, L.L.C. Project ID 71364 when calling or emailing. We thank you for this opportunity to partner with you on this project and hope to work with you again in the future.

Sincerely, Brighton Analytical, L.L.C.







Brighton Analytical LLC

2105 Pless Drive Brighton, Michigan 48114 Phone: (810)229-7575 (810)229-8650 e-mail:bai-brighton@sbcglobal.net EGLE Certified #9404 NELAC Accredited #176507

Sample Date/Time: Submit Date/Time:

10/29/2020 10/29/2020

10/30/2020

11:05 16:10

Eurofins/TA

10448 Citation Dr. Brighton, MI 48116

BA Project #

BA Sample ID

Report Date:

71364

CN05916

Project Name:

HRC-Lathrup Village

Project Number: COC#190-24500

Sample ID:

190-24500-1 LV4

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Microbiological Analysis							
E. coli(Drinking Water)	4.1	CFU/100 ml	1	0	SM9223B M Well	17:00	10/29/2020
Total Coliform(Drinking Water)	149.7	CFU/100 ml	1	0	SM9223B M Well	17:00	10/29/2020

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve EGLE designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date

10/30/2020

Page 6 of 11

11/20/2020

A

-

6

		Chain of Cus	Chain of Custody Record		eurofins Environment Testing
Address:	Regulatory Program:	□ DW □ NPDES □ RCRA	Other:	4-4-4	71564 TestAmerica
Client Contact Company Name: C	Project Manager: SUE SCHOLT Tel/Email: SUE_SCHOLE	Sittle Sittle	com	Date: (0/29/20 Carrier:	COC No:
448 Citation M. Stex Significant may 48116 289-2763 4PC-Cathrop VII lage	Analysis Turn CALENDAR DAYS TAT if different from B 2 wee 1 wee 2 day	AYS			Sampler: For Lab Use Only: Walk-in Client: Lab Sampling: Job / SDG No.:
Sample Identification	Sample Sample Type Date Time G=Grab)	Matrix Cont. # Perform Ms	WY		Sample Specific Notes:
170-24500-1 LV4	5) wyso:11/0e/be/01) / (A)			CNSSUP
191					
Presentation [Seed: 1= Ice 2= HC]: 3= H2SO4: 4=HN03: 5=NaOH: 6= Other	5=NaOH: 6= Other			190-24500 CF	90-24500 Chain of Custody
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please Comments Section if the lab is to dispose of the sample.	Please List any EPA Waste Codes for the sample in the		Disposal (A fee may be as	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month	ed longer than 1 month)
Non-Hazard	☐ Poison B ☐ Unknown		Return to Client	Disposal by Lab	Months
			Field (O)	بالمسمحي	Town ID No
Custody Seals Infact: Yes No Relinquished by:	Custody Seal No.: Company:	Date/Time: Received by:	ooier remp.	Company:	Date/Time:
Relinquished by	Company:	Date/Time: Received by	d by:	Company:	2
Relinquished by:	Company:	Date/Time: Receive	Received in Laboratory by:	Company:	Date/Time:

Chain of Custody Record 460598

Definitions/Glossary

Client: Hubbell, Roth & Clark Inc Job ID: 190-24500-1

Project/Site: Lathrup Village

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

11/20/2020

	٦
****	Ver: 01/16/2019
Copies dispersion () Cana Cara Demons.	
Custody Seal No.:	
Custody Seals Intact:	A Yes A No

Eurofins TestAmerica, Michigan 10448 Citaton Drive Suite 200 Brighton, MI 48116 Phope: 810-229-2763 Fax: 810-229-0000		Chain of Custody Record		🔅 eurofins	Environment Testing TestAmerica
	Sampler	Lab PM: Schafer, Sue	Carrier Tracking No(s)	~	
750 7160	3C-18017	Sue schafe	E-Mait. sue schafer@lestamericainc.com	Page: Page 1 of 3	
Clark Inc			Analysis Requested		
	Oue Date Requested:			Cod	
SI	TAT Requested (days):				N - None O - AsNaO2
Staté, Zip. MI, 48303			əniqli		a 7 č
	PO#: Purchase Order not required	(0		cid	odecahydrate
17. CATA-1.0%	;# OM		ii⊺ gad ilo∍ .∄	J.D: Waer	ū.
	Project #: 19001441		atoli m bns (s	L-EDA	pecify)
11000	SSOW#:		one - H fot ,an	other:	
	Sample	Matrix	iq - +H mulilo	Jedmi	
	<i>'</i>			uM leto	
Sample Identification	Sample Date Time G=gr	GINTERNO AND E	01 0X IS Z	Special Instructions/Note	s/Note:
	10/38/20 11:10CA	Water			
		Water			
	A THE PART OF THE	Water			
		Water	and the state of t		
		Water		190-24500 Chain of Custody	
		Water			
		Water			
		Water			
Possible Hazard Identification Non-Hazard Blammable Skin Imlant Poison	son B Unknown Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Mon	mples are retained longer than 1 month) Archive For Months	S.
Other (specify)			Special Instructions/QC Requirements:		
Empty Kit Relinquished by:	Date:	Тіте:	Method at	hpnen.	
Reinquistred by:	Date/Time:	Company		129/20/145	<u> </u>
	1	Company	Received by:	Date/Timie: Company	
Reinquished by:	Date/Time:	Сопралу	Received by:	Сатрапу	
			Cooler Temperature(s) "C and Oliver Remarks:		
A res A No				Ver: 01:16:2()19	16-2019

Cooler / Sample Receipt After hours receipt complete gray areas. Place cooler in washing place form in Receipt Bond Politics After hours receipt complete gray areas. Place cooler in washing place form in Receipt Bond Cooler in Value in Receipt Evaluation Performed by Instals. Data:	∴ eurofins	□ SDS a	or Kno	own I	Haza	rd Information Supplied by Client
Cooler / Sample Receipt After hours receipt complete gray areas. Place cooler in washing place from in Receipt Evaluation Parformed by India's		☐ Discre	∍panc	ies		Client ID;
After hours receipt: complete gray areas. Place cooler in walken, place and area place cooler in walken, place area. Place cooler in walken, place area. Place cooler in walken, place area. Place in walken, place area. Place in walken, place area. Place place area. Place cooler in walken, place area. Place cooler in walken, place area. Place cooler in walken, place area. Place area. Place cooler in walken, place area. Place area. Place cooler in walken, place area. Place	Coolor Servel - D					Work Oder #:
Accepted on same day sampled? Yes No Additional Sheets Required? Yes No Received on same day sampled? Yes No Additional Sheets Required? Yes No Received on same day sampled? On One One One One One One One One One		Rush	□ 24	Hr (] 2-1	Dayi 13-Day 🗍 5-Day CiOther
Method of Shipment: Welkin Clert Eurofins TA Field/Counter Other Client (3" Party Counter: Fed Ex Tracking #: UPS Tracking #: Packing Materials: Ups Tracking #: Ups Tracking #: Packing Materials: Ups Tracking #: Ups Tracking #: Packing Materials: Ups Tracking #: Ups Tracking #: Ups Tracking #: Ups Tracking #: Packing Materials: Ups Tracking #: U		Receipt Ev	valuati	on P	erforr	ned by: Initials: Date: Time:
Method of SRipment: Welk-in_Glanf Eurofins TA Field/Course Other Client / 3 rd Party Courier Shipping Container Type: Custody Seals Intact: Worker Client / 3 rd Party Courier Packing Back None Other NA (not used or required)	form in Receiving how Date 1013/15					WANTED TO THE PARTY OF THE PART
Walk-In Clerk Surplins TA Field Courser Other Client 3" Party Courser: Other: Other Oth	Town at recoording box. Date 1992. Time: 1.	<u> </u>	<u></u>	-		
Received on same day sampled? Yes No Additional Sheets Required? Yes No Received on same day sampled? Yes No Additional Sheets Required? Yes No Receipt Temperatures Receipt Temperatures Deserved (°C) Genetic (°C) Jemp Blank Sample Temp Acceptable Cooler ID Affected Samples Temp Acceptable Cooler ID Affected Samples No Y N No No No No No	Walk-In Client Eurofins TA Field/Cou Other Client / 3 rd Party Courier: Fed Ex Tracking #: UPS Tracking #:	urier (6	SCool None Packi Plasti Bubbl Packi	er [ing N ic Bar le Wra	Box Doth Mater gs ap ap	Yes No er: NA (not used or required) rials: Cooling Materials: Foam Sice (Solid) Cice (Melted) Paper Blue Ice None s None Other:
Receiped on same day sampled? Yes No Additional Sheets Required? Yes No Receipt Temperatures Thermometer ID Observed (°C) Corrected (°C) Jemp Blank No. 1 Jemp Blank No. 1 Jemp Blank No. 2 Jemp	Bacteriological Temp Corrected (°C)	Froze	n?	`	Rec'i	
Receipt Temperatures Thermometer ID Observed (°C) Corrected (°C) Temp Blank Sample Temp Acceptable Cooler ID Affected Samples Thermometer ID Observed (°C) Corrected (°C) Temp Blank Sample Temp Acceptable Cooler ID Affected Samples Provided Thermometer ID Observed (°C) Temp Blank Sample Temp Acceptable Cooler ID Affected Samples Provided Thermometer ID Observed (°C) Temp Blank Sample Temp Acceptable Cooler ID Affected Samples Provided Thermometer ID Observed (°C) Temp Blank Sample Temp Acceptable Cooler ID Affected Samples Provided Thermometer ID Observed (°C) Temp Blank Sample Temp Acceptable Cooler ID Affected Samples Provided Thermometer ID Observed (°C) Temp Blank Sample Temp Acceptable Cooler ID Affected Samples Provided Thermometer ID Observed (°C) Temp Blank Samples Temp ID ID Affected Samples Samples and ETA receipt signature, date, and time property Preserved bottles and additional Comment Preserved bottles Affected for PH? Yes No ID	Samples	Yes	No			
Receipt Questions** CCC present and ETA receipt signature, date, and time properly documented? Containers and Labels in good condition? (unbrokan, not leaking appropriately filled, labels legible & attached) Appropriate containers used and adequate volume provided? Appropriate containers used and adequate volume provided? Samples received within hold? Samples submitted for GRO and Volatiles analysis (8260 624) Samples submitted for GRO and Volatiles analysis (8260 624) Were the samples free of any questionable physical conformities? (i.e.; field duplicates or multiple bottles of the same sample donot significantly vary in appearance – color, solid proportions, etc.) Were the CoC bottle labels and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? "May not be applicable if samples are not for compliance testing." Excludes FOG, VOAs, TOC Vials, HEM Client Contact Record Discrepancy allowance agreement is on record in the client project file. Discrepancy allowance agreement is on record in the client project file. Discrepancy allowance agreement is on record in the client project file. Discrepancy allowance agreement is on record in the client project file. Discrepancy allowance agreement is on record in the client project file. Discrepancy allowance agreement is on record in the client project file. Discrepancy allowance agreement is on record in the client project file. Any additional documentation and clarification from the client must be noted in the narrative and/or scanned into the CoC directory.	Receipt Temperatures					
Receipt Questions** CoC present and ETA receipt signature, date, and time properly cocumented? Containers and Labels in good condition? (unbrokan, not leaking, appropriately filled, labels legible & attached) Appropriate containers used and adequate volume provided? Appropriate containers match CoC? Appropriate containers match CoC? Samples received within hold? Samples submitted for GRO and Volatiles analysis (8260-624, 524) received without headspace? Was a firp Blank received with VOA samples? Were the samples free of any questionable physical conformaties? (i.e.: field duplicates or multiple bottles of the same sample do not significantly vary in appearance – color, solid proportions, etc.) Were the CoC bottle labels and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager anchor Client? "May not be applicable if samples are not for comphance testing" *Excludes FOG, VOAs, TOC Vials, HEM Client Contact Record Contact Via: Phone Email Other Person Contacted Date/Time: Discrepancy allowance agreement is on record in the client project file. Discrepancy allowance agreement is on record in the client project file. Discrepancy allowance agreement is on record in the client project file. Appropriate Date/Time: Discrepancy allowance agreement is on record in the client project file. Appropriate Date/Time: Discrepancy allowance agreement is on record in the client project file. Appropriate Date/Time: Discrepancy allowance agreement is on record in the client project file. Appropriate Date/Time: Discrepancy allowance agreement is on record in the client project file. Appropriate Date/Time: Discrepancy allowance agreement is on record in the client project file. Appropriate Date/Time: Discrepancy allowance agreement is on record in the client project file.	CP 313207 O.0 Corrected (°C)	n/a		O_{II}		<u>VY _N</u>
CoC present and ETA receipt signature, date, and time property Cocumented? Containers and Labels in good condition? (unbroken, not leaking. Appropriately filled, labels legible & attached) Appropriate containers used and adequate volume provided? Appropriate containers match CoC? Samples received within hold? Samples received within hold? Samples submitted for GRO and Volatiles analysis (8260-624. State within the adoption of the same sample do not significantly vary in appearance - color, solid proportions, etc.) Were the samples free of any questionable physical conformities? (i.e.; field duplicates or multiple bottles of the same sample do not significantly vary in appearance - color, solid proportions, etc.) Were the CoC bottle labels and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? "May not be applicable if samples are not for compliance testing." Client Contact Record Contact Via: Phone Email Other: Person Contacted. Date/Time: Discrepancy allowance agreement is on record in the client project file. Discrepancy allowance agreement is on record in the client project file. Any additional documentation and clarification from the client must be noted in the narrative and/or scanned into the CoC directory.			***************************************			
documented? Containers and Labels in good condition? (unbroken, not leaking. appropriately filled, labels legible & attached) Appropriate containers used and adequate volume provided? Appropriate containers used and adequate volume provided? Appropriate containers used and adequate volume provided? Samples of sample containers match CoC? Samples received within hold? Samples received within hold? Samples submitted for GRO and Volatiles analysis (3260-624. S24) raceived without headspace? Was a Trip Blank received with VOA samples? Were the samples free of any questionable physical conformities? (i.e. field duplicates or multiple bottles of the same sample do not significantly vary in appearance – color, solid proportions, etc.) Were the CoC bottle labels and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? "May not be applicable if samples are not for compliance testing" Excludes FOG, VOAs, TOC Vials, HEM Client Contact Record Contact Via: Phone Email Other: Person Contacted. Date/Time: Discrepancy allowance agreement is on record in the client project file. Discrepancy allowance agreement is on record in the client project file. Appropriate Dottle record. The record of the client project file. Appropriate Dottle record. The record of the client project file. Appropriate Dottle record. The record of the client project file. Appropriate Dottle record onto the client must be noted in the narrative and/or scanned into the CoC directory.			Υ	N	NA	"No" answers require additional comment
Appropriate containers used and adequate volume provided? Appropriate containers used and adequate volume provided? Samples received within hold? Samples received within hold? Samples submitted for GRO and Volatiles analysis (8260-624. 524) received without headspace? Was a Trip Blank received with VOA samples? Were the samples free of any questionable physical conformities? (i.e.; field duplicates or multiple bottles of the same sample do not significantly vary in appearance – color, solid proportions, etc.) Were the CoC bottle labels and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? "May not be applicable if samples are not for compliance testing." Client Contact Record Contact Via: Phone Email Other: Person Contacted Date/Time: Discrepancy allowance agreement is on record in the client project file. Discrepancy allowance agreement is on record in the client project file. Any additional documentation and clarification from the client must be noted in the narrative and/or scanned into the CoC directory.	documented?	te properly	/			
Number of sample containers match CoC? Samples received within hold? Samples submitted for GRO and Volatiles analysis (8260-624. 524) received without headspace? Was a Trip Blank received with VOA samples? Were the samples free of any questionable physical conformities? (i.e.; field duplicates or multiple bottles of the same sample do not significantly vary in appearance – color, solid proportions, etc.) Were the CoC bottle labels and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? "May not be applicable if samples are not for compliance testing "Excludes FOG, VOAs, TOC Vials, HEM Client Contact Record Contact Via: Phone Email Other: Person Contacted: Date/Time: Discrepancy allowance agreement is on record in the client project file Discrepancy allowance agreement to on record in the client project file Any additional documentation and clarification from the client must be noted in the narrative and/or scanned into the CoC directory.	appropriately litted, labels legible & attached)	_				
Samples received within hold? Samples submitted for GRO and Volatiles analysis (8260-624. 524) received without headspace? Was a Trip Blank received with VOA samples? Were the samples free of any questionable physical conformities? (i.e.; field duplicates or multiple bottles of the same sample do not significantly vary in appearance – color, solid proportions, etc.) Were the CoC bottle labels and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? "May not be applicable if samples are not for compliance testing *Excludes FOG, VOAs, TOC Vials, HEM Client Contact Record Contact Via: Phone = mail = Other: Person Contacted = Date/Time: Discrepancy allowance agreement is on record in the client project file Discrepancy allowance agreement by the client project file of the client project fi	Appropriate containers used and adequate volume pr	ovided?	V			Preserved bottles checked for pH?* Yes, No.
Samples submitted for GRO and Volatiles analysis (8260-624. Samples submitted for GRO and Volatiles analysis (8260-624. Was a Trip Blank received with VOA samples? Were the samples free of any questionable physical conformities? (i.e.; field duplicates or multiple bottles of the same sample do not significantly vary in appearance – color, solid proportions, etc.) Were the CoC bottle labels and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? "May not be applicable if samples are not for compliance testing" Excludes FOG. VOAs, TOC Vials, HEM Client Contact Record Contact Via: Phone Email Other: Person Contacted. Date/Time: Discrepancy allowance agreement is on record in the client project file. Discrepancy allowance agreement to on record in the client project file. Any additional documentation and clarification from the client must be noted in the narrative and/or scanned into the CoC directory.						
Was a Trip Blank received with VOA samples? Were the samples free of any questionable physical conformities? (i.e.; field duplicates or multiple bottles of the same sample do not significantly vary in appearance – color, solid proportions, etc.) Were the CoC bottle labels and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? "May not be applicable if samples are not for compliance testing the Project Manager and/or Client? "May not be applicable if samples are not for compliance testing the Person Contacted to Date/Time: Discrepancy allowance agreement is on record in the client project file. Discrepancy allowance agreement is on record in the client project file. Discrepancy allowance agreement to narray 2-ed. Any additional documentation and clarification from the client must be noted in the narrative and/or scanned into the CoC directory.						
Were the samples free of any questionable physical conformities? (i.e.; field duplicates or multiple bottles of the same sample do not significantly vary in appearance – color, solid proportions, etc.) Were the CoC bottle labels and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? "May not be applicable if samples are not for compliance testing the Person Contact Record Contact Record Contact Via: Phone Email Other: Person Contacted Date/Time: Discrepancy allowance agreement is on record in the client project file Discussion / Resolution No appropriate bottle rec'd for ph. Any additional documentation and clarification from the client must be noted in the narrative and/or scanned into the CoC directory.	524) received without headspace?	260 624.			/	
bontomities? (i.e.; field duplicates or multiple bottles of the same sample do not significantly vary in appearance – color, solid proportions, etc.) Were the CoC bottle labels and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? "May not be applicable if samples are not for compliance testing "Excludes FOG, VOAs, TOC Vials, HEM Client Contact Record Contact Via: Phone Email Other: Person Contacted: Date/Time: Discrepancy allowance agreement is on record in the client project file Discussion / Resolution No appropriate Dottle Perc'd For OH. Any additional documentation and clarification from the client must be noted in the narrative and/or scanned into the CoC			<u></u>			
Client Contact Record Contact Via: Phone Email Other: Person Contacted: Date/Time: Discrepancy allowance agreement is on record in the client project file Discussion / Resolution Any additional documentation and clarification from the client must be noted in the narrative and/or scanned into the CoC	conformities? (i.e.; field duplicates or multiple bottles or sample do not significantly vary in appearance - color	f the same solid				
Client Contact Record Contact Via: Phone Email Other: Person Contacted: Date/Time: Discrepancy allowance agreement is on record in the client project file Discussion / Resolution Discussion /	discrepancies or issues that would need to be address the Project Manager and/or Client?	ed with	1			
Client Contact Record Contact Via: Phone Email Other: Person Contacted: Date/Time: Discrepancy allowance agreement is on record in the client project file Discussion / Resolution DH NOT ONALYZED. Any additional documentation and clarification from the client must be noted in the narrative and/or scanned into the CoC	"May not be applicable if samples are not for complian	ce testing		1		*Excludes FOG_VOAs_TOC Vials_WEN
Discrepancy allowance agreement is on record in the client project file Discussion / Resolution No appropriate bottle recid for ph. DH not analyzed. The 1/3/20 Any additional documentation and clarification from the client must be noted in the narrative and/or scanned into the CoC	Client Contact Record	······································		1		The state of the s
Discrepancy allowance agreement is on record in the client project file Discussion / Resolution No appropriate bottle recid for ph. DH not analyzed. The 1/3/20 Any additional documentation and clarification from the client must be noted in the narrative and/or scanned into the CoC	Contact Via: Ptrone Email Other:	Person	n Con	tacte	a:	Date/Time:
firectory.	L. Discrepancy allowance agreemen	* i = = = = = =	4 1 14			
	Any additional documentation and clarification from firectory.	n the client	must l	be no	eled n	the narrative and/or scanned into the CoC
Date: WI-MI-010_020720	Reviewed by	Date:	·····			WI-MI-010 029720

∴ eurofins

F.

:					
Andrian		5	Chain of Custody Record		Seurafins Environment festing
NACONAL DESCRIPTION OF THE PROPERTY OF THE PRO	rogram:	DW NPDES	RCRA Other		TAL-8210
Client Contact	mager:	S		Date:	COC No:
Company Name:	Tel/Email:)	of cocs
Address	\nalysis Turnarc				
City/State/Zip:	CALENDAR DAYS WC	WORKING DAYS			For Lab Use Only:
Thone:	At if different f				Walk-in Client:
		/N)			Lab Sampling:
Site:	1 Week	(Y)			
P Q#	L day	nple			Job/ SDG No.:
	Sample	CHICATON CONTRACTOR CO			не от не при
Sample Identification	Sample Sample (C=Comp.) Date Time S=Grab	Cont. Cont.	Perfor		
					The second secon
		AND REAL PROPERTY.			
process and the second				The state of the s	
		in-vitante necessaria			
	7,70				

	And the state of t				
Preservation Used: 1= ice. 2= HCt: 3= H2SO4: 4=HNO3:	S=NaOH: 6= Other	вара по постана по пос Постана по постана по по			OPEN AND VALUE A
Possible Hazard Identification:	OCCUPANTAL CONTRACTOR	HEW(HOPH)OHERSESSATION CONTACTOR CON	Sample Disposal (A fee may be as	assessed if samples are retained londer than 1 month)	onder than 1 month)
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.	e List any EPA Waste Codes for	the sample in the	Amilian esolution (O recoma) ce an	aesseu i saidhes aie leidheo	onger than 1 month)
Ndn-Hazerd Flanmable Skin Intont	Paison B Unk	Unknown	Return to Client Dispo	Disposal by Lab Archive for	Months
Special Instructions/QC Requirements & Comments:			0.0000000000000000000000000000000000000		
Intact: Yes No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:	Corr'd:	Them ID No.:
reinquished by:	Company:	Date/Time:	Received by:	Company	Parte/Jimes / O / C / C / O
Relinquished by///	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

IDEP Location and Photos





Inspection Details

Location:	Lathrup Village	Flow Comments:	N/A
Date Inspected:	10/29/2020 12:39:26 PM	WaterTurbidity:	N/A
Investigator:	A. Allen	Water Color:	N/A
Address:	19030 Roseland	Other Color:	N/A
Drain Name:	Rummell Drain	Temperature:	0
Last Rainfall:	10/27/2020	Odor:	N/A
Blockage:	Clean	Floatables:	N/A
Size Inches:	24"	Other Floatables:	N/A

Comments: Crack on top of structure and wing wall is separating. Exposed on top.

Material:	RCP	Deposits Stains:	N/A
Other Material:	N/A	Other Deposits Stains:	N/A
Dry Flow:	No	Visible Debris:	None
Flow Rate:	N/A	Structural Condition:	Fair
Presence/Absence of Flow:	No - Absense	Complete:	Yes



MS4 Location and Photos





Inspection Details

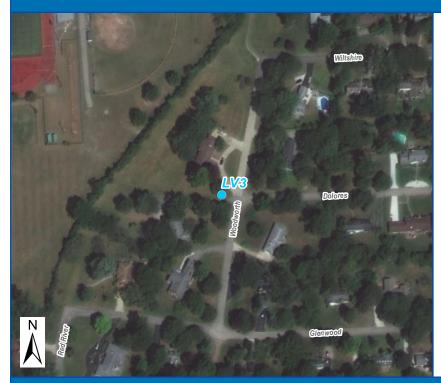
Location:	Lathrup Village	Flow Comments:	N/A
Date Inspected:	10/29/2020	WaterTurbidity:	N/A
Investigator:	A. Allen	Water Color:	N/A
Address:	19120 Wiltshire	Other Color:	N/A
Drain Name:	Rummell Drain	Temperature:	N/A
Last Rainfall:	10/27/2020	Odor:	N/A
Blockage:	25%	Floatables:	N/A
Size Inches:	Other	Other Floatables:	N/A

Comments: Stagnant water and dirt in outfall. Recommend cleaning out or grading section.

Material:	RCP	Deposits Stains:	N/A
Other Material:	N/A	Other Deposits Stains:	N/A
Dry Flow:	No	Visible Debris:	Natural
Flow Rate:	N/A	Structural Condition:	Poor
Presence/Absence of Flow:	No - Absence	Complete:	Yes



MS4 Location and Photos





Inspection Details

Location:	Lathrup Village	Flow Comments:	Not enough water flow to sample.
Date Inspected:	10/29/2020	WaterTurbidity:	N/A
Investigator:	A. Allen	Water Color:	N/A
Address:	28425 Woodworth Way	Other Color:	N/A
Drain Name:	Rummell Drain	Temperature:	N/A
Last Rainfall:	10/27/2020	Odor:	N/A
Blockage:	N/A	Floatables:	N/A
Size Inches:	Other	Other Floatables:	N/A

Comments: Upstream manhole. Original outfall cannot access as it's buried.

Material:	N/A	Deposits Stains:	N/A
Other Material:	N/A	Other Deposits Stains:	N/A
Dry Flow:	Yes	Visible Debris:	None
Flow Rate:	N/A	Structural Condition:	Poor
Presence/Absence of Flow:	No - Absence	Complete:	Yes



IDEP Location and Photos





Inspection Details

Location:	Lathrup Village	Flow Comments:	N/A
Date Inspected:	10/29/2020 2:40:41 PM	WaterTurbidity:	Clear
Investigator:	A. Allen	Water Color:	Clear
Address:	Saratoga and Evergreen	Other Color:	N/A
Drain Name:	Rummell Drain	Temperature:	0
Last Rainfall:	10/27/2020	Odor:	None
Blockage:	Clean	Floatables:	None
Size Inches:	Other	Other Floatables:	N/A

Comments: At intersection. Manhole on South side of Saratoga as you turn from Evergreen.

Material:	RCP	Deposits Stains:	Other
Other Material:	N/A	Other Deposits Stains:	N/A
Dry Flow:	Yes	Visible Debris:	None
Flow Rate:	Slow	Structural Condition:	Good
Presence/Absence of Flow:	Yes - Presence	Complete:	Yes



IDEP Location and Photos





Inspection Details

Location:	Lathrup Village	Flow Comments:	N/A
Date Inspected:	2/11/2021 3:05:52 PM	WaterTurbidity:	N/A
Investigator:	A. Allen	Water Color:	N/A
Address:	27456 Evergreen	Other Color:	N/A
Drain Name:	Rummell Drain	Temperature:	0
Last Rainfall:	2/9/2021	Odor:	N/A
Blockage:	N/A	Floatables:	N/A
Size Inches:	36"	Other Floatables:	N/A

Comments: Could not open crate over manhole. Pipe connecting to the north and to the east.

Material:	RCP	Deposits Stains:	N/A
Other Material:	N/A	Other Deposits Stains:	N/A
Dry Flow:	No	Visible Debris:	N/A
Flow Rate:	N/A	Structural Condition:	Fair
Presence/Absence of Flow:	No - Absense	Complete:	Yes



MS4 Location and Photos





Inspection Details

Location:	Lathrup Village	Flow Comments:	N/A
Date Inspected:	3/9/2021	WaterTurbidity:	N/A
Investigator:	A. Allen	Water Color:	N/A
Address:	Evergreen	Other Color:	N/A
Drain Name:	Rummell	Temperature:	N/A
Last Rainfall:	2/28/2021	Odor:	N/A
Blockage:	N/A	Floatables:	N/A
Size Inches:	N/A	Other Floatables:	N/A

Comments: Road catch basin located here off of Evergreen. Intake of flow from road and nothing else.

Material:	N/A	Deposits Stains:	N/A
Other Material:	N/A	Other Deposits Stains:	N/A
Dry Flow:	No	Visible Debris:	N/A
Flow Rate:	N/A	Structural Condition:	N/A
Presence/Absence of Flow:	No - Absence	Complete:	Yes



IDEP Location and Photos





Inspection Details

Location:	Lathrup Village	Flow Comments:	N/A
Date Inspected:	3/9/2021 7:41:53 PM	WaterTurbidity:	N/A
Investigator:	A. Allen	Water Color:	N/A
Address:	Red Run Dr and 11 Mile	Other Color:	N/A
Drain Name:	Rummell	Temperature:	0
Last Rainfall:	2/28/2021	Odor:	N/A
Blockage:	N/A	Floatables:	N/A
Size Inches:	12"	Other Floatables:	N/A

Comments: Catch basin on curb off of 11 Mile. Very slow flow coming from northeast pipe. Could not catch enough water. Could not capture water on very bottom of pipe as stick was not long enough. Water was flowing west.

Material:	RCP	Deposits Stains:	N/A
Other Material:	N/A	Other Deposits Stains:	N/A
Dry Flow:	No	Visible Debris:	N/A
Flow Rate:	Slow	Structural Condition:	Good
Presence/Absence of Flow:	No - Absense	Complete:	Yes



MS4 Location and Photos





Inspection Details

Location:	Lathrup Village	Flow Comments:	Minimal flow. Cannot capture.
Date Inspected:	10/29/2020	WaterTurbidity:	N/A
Investigator:	A. Allen	Water Color:	N/A
Address:	18951 Rainbow Ct	Other Color:	N/A
Drain Name:	Rummell Drain	Temperature:	N/A
Last Rainfall:	10/27/2020	Odor:	N/A
Blockage:	Clean	Floatables:	N/A
Size Inches:	54"	Other Floatables:	N/A

Comments: Cannot see structure.

Material:	N/A	Deposits Stains:	N/A
Other Material:	N/A	Other Deposits Stains:	N/A
Dry Flow:	Yes	Visible Debris:	None
Flow Rate:	Moderate	Structural Condition:	Good
Presence/Absence of Flow:	No - Absence	Complete:	Yes

