

700 West Liberty Street | Louisville, KY 40203-1911 Phone: 502.540.6000 | LouisvilleMSD.org

October 14, 2021

Crystal Dennis
Permit Support Section
Surface Water Permits Branch
Division of Water
200 Fair Oaks Lane 4th Floor
Frankfort, KY 40601

Re: Morris Forman Water Quality Treatment Center KPDES Permit No. KY0022411

Dear Ms. Dennis:

In accordance with the provisions of the KPDES Permit referenced above, the monthly Discharge Monitoring Report (DMR) and monthly Discharge (overflow) Reports for the reporting period September 1st through September 30th 2021 are provided through NetDMR. The Morris Forman Water Quality Treatment Center (MFWQTC) did not meet permit for 30 day BOD, 7 day BOD, 30 day TSS, 7 day TSS, 7 day Fecal Coliforms, TSS and BOD percent removal reporting requirements.

Compromised solids handling equipment continue to contribute to our effluent exceedances. MSD has installed dewatering services at a satellite facility. This dewatering service has reduced the solids loading to the Morris Forman plant. Additionally an Emergency Design Build Project for new solids handling equipment will be installed and in service in late 2021 at Morris Forman.

Should you have any questions, please contact me at (502) 540-6765.

Sincerely

James Skinner

Treatment Facilities Manager

# DMR Conv of Record

X 81011 Solids, suspended percent removal

K - Percent Removal

DMR Copy of Record																		
Permit											,							
Permit #:	Y0022411		F	Permittee:		Mor	ris Forman W	QTC MSD			Facility:			MORRIS FORM	IAN WQTC	MSD		
Major:	'es		F	Permittee Ad	ldress:		700 W Liberty St Louisville, KY 40203				Facility Lo	Facility Location:			UIN PKWY (Y 40211			
	01 external Outfall			Discharge:		<b>001-1</b> MUNICIPAL DISCHARGE												
Report Dates & Status																		
Monitoring Period:	rom 09/01/21 to 09/30/21			DMR Due Dat	te:	10/2	8/21				Status:			NetDMR Valida	ated			
Considerations for Form Completion																		
G - INFLUENTE - SECONDARY EFFLUEN needed.	T1 - FINAL EFFLUENT - Parameter 74	4055 - Use S	Seaso	n 1 for summ	er months (May, Ju	une, July, Augu	st, Septembe	r, and Octobe	r) and Se	ason 2 fo	r winter months (No	vember, Decem	ber, Janua	ary, February Mar	ch, and Apri	il); enter NODI=9	for the Sea	ason no
Principal Executive Officer											_							
First Name:	ames A.		1	Title:		Exe	cutive Directo	or			Telephone	:		502-540-6000				
Last Name: F	'arrot																	
No Data Indicator (NODI)																		
Form NODI:																		
Parameter  Code Name	Monitoring Location	S	eason	#Param. NODI	Qualifier		antity or Loadi	ng Value 2	Unite	Qualifier 1	1 Value 1 Qualifier	Quality or Cond 2 Value 2	entration Qualifier 3	3 Value 3	Units	# of Ex. Frequency	of Analysis	Sample '
Name					Sample	i value i	Qualifier 2	value 2	Ullits		3.1	Z Value Z	Qualifier		19 - mg/L	01/01 - Dail	, (	GR - GRA
00300 Oxygen, dissolved [DO]	1 - Effluent Gross		0		Permit Req.					>=	2.0 INST MIN				19 - mg/L	01/01 - Dail	Ç	GR - GRA
					Value NODI													
					Sample =	35928.0		336.0	26 - lb/d		=	49.0			19 - mg/L	01/01 - Dail		CP - CON
X <sub>00310</sub> BOD, 5-day, 20 deg. C	E - Secondary/Biological Process	s Complete	0		Permit Req.	Req Mon MO AV	G Re	q Mon MX WK A	V 26 - Ib/d		<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L	2 01/01 - Dail	C	CP - CON
					Value NODI	044505.0	0.11	5000.0	00 11 / 1			205.0		200.0	10 "	04/04 5 3		00.001
20040	O. David Carrier and Influence		0		Sample = Permit Req.	211565.0 Req Mon MO AV		5888.0 eq Mon MX WK A	26 - lb/d V 26 - lb/d		=	295.0 Req Mon MO AV		362.0 Req Mon MX WK A\	19 - mg/L / 19 - mg/L	01/01 - Dail		CP - CON CP - CON
00310 BOD, 5-day, 20 deg. C	G - Raw Sewage Influent		U		Value NODI			,								0 2.7.2.2.2		
					Sample					=	6.1		=	6.7	12 - SU	01/01 - Dail	, (	GR - GRA
00400 <b>pH</b>	1 - Effluent Gross		0	]	Permit Req.						6.0 MINIMUM				12 - SU	01/01 - Dail		GR - GRA
•					Value NODI													
					Sample =	77566.0		5129.0	26 - lb/d		=	102.0			19 - mg/L	01/01 - Dail		CP - CON
X 00530 Solids, total suspended	E - Secondary/Biological Process	Complete	0		Permit Req.	Req Mon MO AV	G Re	q Mon MX WK A	V 26 - lb/d		<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L	2 01/01 - Dail	C	CP - CON
					Value NODI													
					Sample = Permit Req.	185129.0 Reg Mon MO AV		0751.0 q Mon MX WK A	26 - lb/d		=	238.0 Reg Mon MO AV		287.0 Req Mon MX WK A\	19 - mg/L	01/01 - Dail		CP - CON CP - CON
00530 Solids, total suspended	G - Raw Sewage Influent	1	0		Value NODI	Red Mon MO AV	o ite	I WICH WIX WIX A	20 - Ib/a			red Mon MO AV	0	Red MOLLINX MICA	19 - 111g/L	0 01/01 - Daii		) - COIV
					Sample =	5178.0	- 7 <i>1</i> ′	37.0	26 - lb/d		=	8.2	=	12.5	19 - mg/L	01/01 - Dail	, (	CP - COM
00610 Nitrogen, ammonia total [as N]	E - Secondary/Biological Process	: Complete	0		Permit Req.	Req Mon MO AV		q Mon MX WK A			<=	20.0 MO AVG			19 - mg/L	01/01 - Dail		CP - CON
initiogen, animonia total [ao 11]	2 Coolingary, Proregion 1 100000	Complete	Ü		Value NODI													
					Sample =	8418.0	= 929	95.0	26 - lb/d		=	11.9	=	15.8	19 - mg/L	01/01 - Dail	, ,	CP - COM
00610 Nitrogen, ammonia total [as N]	G - Raw Sewage Influent		0		Permit Req.	Req Mon MO AV	G Re	q Mon MX WK A	V 26 - Ib/d			Req Mon MO AV	G	Req Mon MX WK A\	19 - mg/L	01/01 - Dail	C	CP - COM
					Value NODI													
					Sample =	88.39		6.77	03 - MGD							99/99 - Con		CN - CON
Flow, in conduit or thru treatmen	t plant E - Secondary/Biological Process	Complete	0		Permit Req.	Req Mon MO AV	G Re	eq Mon DAILY MX	X 03 - MGL							0 99/99 - Con	inuous C	CN - CON
					Value NODI									0.016	10	04/04 Deile		GR - GRA
50060 Chlorine, total residual	1 - Effluent Gross		0		Sample Permit Req.										19 - mg/L 19 - mg/L	01/01 - Dail		GR - GR <i>F</i> GR - GR <i>F</i>
Chlorine, total residual	1 - Elliderit Gloss		U		Value NODI											0		
					Sample						=	176.0	=	803.0	13 - #/100mL	01/01 - Dail	, (	GR - GRA
X <sub>74055</sub> Coliform, fecal general	1 - Effluent Gross		1		Permit Req.						<=	200.0 30DA GEO	<=	400.0 7 DA GEO	13 - #/100mL	1 01/01 - Dail	C	GR - GRA
					Value NODI													
					Sample						83.0				23 - %	01/30 - Mon		CA - CAL
X 81010 BOD, 5-day, percent removal	K - Percent Removal	(	0		Permit Req.					>=	85.0 MO MIN				23 - %	1 01/30 - Mon	.hly C	CA - CAL
					Value NODI													
					Sample Permit Req.						57.0 85.0 MO MIN				23 - % 23 - %	01/30 - Mon 01/30 - Mon		CA - CALC CA - CALC
X 81011 Solids, suspended percent remo	K - Percent Removal		0		r erinicikeq.					/=	OJ.U IVIO IVIIIV				23 - 70	1	iny C	JA - CALC

### Value NODI

## **Submission Note**

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

## **Edit Check Errors**

	Parameter	Manitaring Landian	Field	Tuma	Description	Aaksaudadaa
Code	Name	Monitoring Location	Field	Type	Description	Acknowledge
81010	BOD, 5-day, percent removal	K - Percent Removal	Quality or Concentration Sample Value 1	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes
00530	Solids, total suspended	E - Secondary/Biological Process Complete	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes
00530	Solids, total suspended	E - Secondary/Biological Process Complete	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes
74055	Coliform, fecal general	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes
00310	BOD, 5-day, 20 deg. C	E - Secondary/Biological Process Complete	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes
00310	BOD, 5-day, 20 deg. C	E - Secondary/Biological Process Complete	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes
81011	Solids, suspended percent removal	K - Percent Removal	Quality or Concentration Sample Value 1	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes

## Comments

## Attachments

Name	Туре	Size
MFWQTCDMRCoverLetter09021.pdf	pdf	43616.0
MFWQTCDMRMORE09021.pdf	pdf	155350.0
09_September_Discharge_Report_All_Service_FIN.pdf	pdf	127921.0

Report Last Saved By Morris Forman WQTC MSD

User: SKINNER@LOUISVILLEMSD.ORG

Name: James skinner

E-Mail: james.skinner@louisvillemsd.org

Date/Time: 2021-10-15 06:25 (Time Zone: -04:00)

Report Last Signed By

User: SKINNER@LOUISVILLEMSD.ORG

Name: James skinner

E-Mail: james.skinner@louisvillemsd.org

Date/Time: 2021-10-15 06:40 (Time Zone: -04:00)

# **DMR Copy of Record**

Permit

Permit #: KY0022411

Yes Major:

Morris Forman WQTC MSD Permittee:

700 W Liberty St Louisville, KY 40203 **Permittee Address:** 

**Facility Location:** 

MORRIS FORMAN WQTC MSD 4522 ALGONQUIN PKWY

LOUISVILLE, KY 40211

**Permitted Feature:** 

001 External Outfall Discharge:

001-B SECONDARY BYPASS

Report Dates & Status

**DMR Due Date:** Status: **Monitoring Period:** From 09/01/21 to 09/30/21 10/28/21 **NetDMR Validated** 

**Considerations for Form Completion** 

MONITORING DURING PERIODS OF SECONDARY BYPASS IN ADDITION TO REGULAR MONITORING.1 - FINAL EFFLUENTF - SECONDARY BYPASS AFTER PRIMARYTREATMENT.

Title:

**Principal Executive Officer** 

First Name: James A.

Parrot

Telephone: **Executive Director** 502-540-6000

Facility:

No Data Indicator (NODI)

Last Name:

	Parameter	Monitoring Location	Season #	Season # Param. NODI			Qu	antity or Load	ling			Quality or Cor	ncentration		;	# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1 Value 1 Qualifier	2 Value 2	Qualifier 3	3 Value 3	Units			
					Sample						=	64.0	=	91.0	19 - mg/L		10/30 - Ten Per Month	CP - COMPOS
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0		Permit Req.							Req Mon MO AV	G	Req Mon MX WK A	/ 19 - mg/L	0	WH/DS - When Discharging	g CP - COMPO
					Value NODI													
					Sample						=	122.0	=	156.0	19 - mg/L		10/30 - Ten Per Month	CP - COMPOS
00310	BOD, 5-day, 20 deg. C	F - Primary/Prelimary Process Complete	0		Permit Req.							Req Mon MO AV	G	Req Mon MX WK AV	/ 19 - mg/L	0	WH/DS - When Discharging	g CP - COMPO
	_ = = , = ==, = ===				Value NODI													
					Sample						=	124.0	=	208.0	19 - mg/L		10/30 - Ten Per Month	CP - COMPOS
00530	Solids, total suspended	1 - Effluent Gross	0		Permit Req.							Req Mon MO AV	G	Req Mon MX WK AV	/ 19 - mg/L	0	WH/DS - When Discharging	g CP - COMPOS
					Value NODI													
					Sample						=	103.0	=	145.0	19 - mg/L		10/30 - Ten Per Month	CP - COMPOS
00530	Solids, total suspended	F - Primary/Prelimary Process Complete	0		Permit Req.							Req Mon MO AV	G	Req Mon MX WK AV	/ 19 - mg/L	0	WH/DS - When Discharging	g CP - COMPOS
					Value NODI													
					Sample						=	4.6	=	9.3	19 - mg/L		10/30 - Ten Per Month	CP - COMPOS
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0		Permit Req.							Req Mon MO AV	G	Req Mon MX WK AV	/ 19 - mg/L	0	WH/DS - When Discharging	g CP - COMPOS
					Value NODI													
					Sample						=	7.5	=	13.7	19 - mg/L		10/30 - Ten Per Month	CP - COMPOS
00610	Nitrogen, ammonia total [as N]	F - Primary/Prelimary Process Complete	0		Permit Req.							Req Mon MO AV	G	Req Mon MX WK AV	/ 19 - mg/L	0	WH/DS - When Discharging	g CP - COMPOS
					Value NODI											-		
					Sample	= 40	6.2	= 7-	4.3	03 - MGD							10/30 - Ten Per Month	CN - CONTIN
50050	Flow, in conduit or thru treatment plant	F - Primary/Prelimary Process Complete 0	0		Permit Req.	R	eq Mon MO AVG	R	eq Mon MX WK AV	03 - MGD						0	WH/DS - When Discharging	g CN - CONTIN
	, , , , , , , , , , , , , , , , , , , ,	,,, ,, ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Value NODI													

**Submission Note** 

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

**Edit Check Errors** 

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

Morris Forman WQTC MSD

User: SKINNER@LOUISVILLEMSD.ORG

James skinner Name:

E-Mail: james.skinner@louisvillemsd.org Date/Time: 2021-10-15 06:24 (Time Zone: -04:00)

Report Last Signed By

SKINNER@LOUISVILLEMSD.ORG User:

Name: James skinner

E-Mail: james.skinner@louisvillemsd.org

Date/Time: 2021-10-15 06:42 (Time Zone: -04:00)

# **DMR Copy of Record**

Permit

KY0022411 Permit #:

Morris Forman WQTC MSD Permittee:

**DMR Due Date:** 

Title:

Major: Yes Permittee Address: 700 W Liberty St

**Facility Location:** 

Facility:

Telephone:

MORRIS FORMAN WQTC MSD

Louisville, KY 40203

4522 ALGONQUIN PKWY LOUISVILLE, KY 40211

**Permitted Feature:** 

001 External Outfall Discharge: 001-Y

BIOMONITORING/ONCE PER QUARTER

Report Dates & Status

**Monitoring Period:** From 07/01/21 to 09/30/21 10/28/21

Status: **NetDMR Validated** 

**Considerations for Form Completion** 

Principal Executive Officer

First Name: James A.

Last Name: Parrot **Executive Director** 

502-540-6000

No Data Indicator (NODI)

Form NODI:

	Parameter	Monitoring Location	Season #	Param. NODI		Quantity or Loading		Quality or Cor	ncentration			# of Ex. Frequency of Analysis	Sample Type
Code	Name					Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qua	lifier 1 Value 1 Qualifier 2	Value 2	Qualifier 3	Value 3	Units		
					Sample			354.0			19 - mg/L		CP - COMPOS
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0		Permit Req.			Req Mon MO AVG	F	Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
					Value NODI								
					Sample		<	0.01	< (	.01	19 - mg/L	01/90 - Quarterly	CP - COMPOS
01025	Cadmium, dissolved [as Cd]	1 - Effluent Gross	0		Permit Req.			Req Mon MO AVG	F	Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
					Value NODI								
					Sample		<	0.01	< (	0.01	19 - mg/L	01/90 - Quarterly	CP - COMPOS
01040	Copper, dissolved [as Cu]	1 - Effluent Gross	0		Permit Req.			Req Mon MO AVG	F	Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
01010	coppor, arecerved [ac cu]	. Lindon Grood			Value NODI								
					Sample		<	0.05	< (	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPOS
01049	Lead, dissolved [as Pb]	1 - Effluent Gross	0		Permit Req.			Req Mon MO AVG	F	Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
01040	Lead, disserved [as i s]	1 Emacin Gross			Value NODI								
					Sample		=	0.06	= (	0.06	19 - mg/L	01/90 - Quarterly	CP - COMPOS
01090	Zinc, dissolved [as Zn]	1 - Effluent Gross	0		Permit Req.			Req Mon MO AVG	F	Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
0.000					Value NODI								
					Sample		=	0.06	= (	1.06	19 - mg/L	01/90 - Quarterly	CP - COMPOS
01094	Zinc, total recoverable	1 - Effluent Gross	0		Permit Req.			Req Mon MO AVG	F	Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				Value NODI								
					Sample		<	0.01	< (	.01	19 - mg/L	01/90 - Quarterly	CP - COMPOS
01113	Cadmium, total recoverable	1 - Effluent Gross	0		Permit Req.			Req Mon MO AVG	F	Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
	,				Value NODI								
					Sample		<	0.05	< (	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPOS
01114	Lead, total recoverable	1 - Effluent Gross	0		Permit Req.			Req Mon MO AVG	F	Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
•			Ţ		Value NODI								
					Sample		=	0.016	= (	0.016	19 - mg/L	01/90 - Quarterly	CP - COMPOS
01119	Copper, total recoverable	1 - Effluent Gross	0		Permit Req.			Req Mon MO AVG	F	Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
					Value NODI								
					Sample				< '	.0	2F - tox acute	01/90 - Quarterly	G2 - GRAB-2
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0		Permit Req.				<= ′	.0 DAILY MX	2F - tox acute	01/90 - Quarterly	G2 - GRAB-2
	,,				Value NODI								

**Submission Note** 

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

**Edit Check Errors** 

No errors.

Comments

Attachments

No attachments.

Report Last Saved By Morris Forman WQTC MSD

User: SKINNER@LOUISVILLEMSD.ORG

Name: James skinner

E-Mail: james.skinner@louisvillemsd.org

Date/Time: 2021-10-15 06:39 (Time Zone: -04:00)

Report Last Signed By

User: SKINNER@LOUISVILLEMSD.ORG

Name: James skinner

E-Mail: james.skinner@louisvillemsd.org

Date/Time: 2021-10-15 06:44 (Time Zone: -04:00)



KPDES #	Facility	Water Quality Treatement Center	Receiving Stream of Treatment Center	Region
	ID			

**KY0078956** MSD0277 DEREK R. GUTHRIE OHIO RIVER NA

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	102339	9114 CINDERELLA LN		FISHPOOL CREEK	GROUND

Activity Code / Description	WO# Ref No	<u>Initiated</u>	Initiated By Assigned To	<u>Disch Status</u>	Event Date	<u>Problem</u>	<u>Result</u>	Completed Condition
: DISREV: RAIN EVENT	3427980	09/22/2021	CATALANO JR BOUTIN	DOCUMENTE	07/14/2015	LACK OF	UNAUTHORIZED	09/22/21 11:15
DISCHARGE				D		SYSTEM	DISCHARGE-	PM

## Discharge Reporting:

Discharge Amount:	13,120 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	MAGNITUDE OF STORM RESULTED IN NO DEBRIS REMAINING.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND AROUND MANHOLE.
Repair:	SITE FOUND DURING RAIN EVENT RECON - WILL BE MONITORED AND EVALUATED FOR REPAIR.
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

### Notifications:

9/24/21 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
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KPDES # Facility Water Quality Treatement Center Receiving Stream of Treatment Center Region ID

KY0102784 MSD0294 FLOYDS FORK FLOYDS FORK NA

Facility Type Facility ID Facility Address If Pump Station, Name of Pump Station: Receiving Stream Discharge to
SMHSewer Manhole 112064 1302 HELM PLACE LN POPE LICK DITCH

Activity Code / Description WO # Ref No **Initiated** Initiated By **Assigned To Disch Status Event Date Problem** Result Completed Condition 09/13/21 01:16 : DISDW: DRY WEATHER 3424298 09/13/2021 BIVIN BIVIN REPAIRED -09/13/2021 OBSTRUCTION-UNAUTHORIZED DISCHARGE **ISSUE** NOT GREASE / PM DISCHARGE-**RESOLVED** ROOTS WATERS MI

### Discharge Reporting:

Discharge Amount:	7,800 GAL
Cause:	GREASE WIPES, RAGS, AND BROKEN PIECES OF MANHOLE LID.
Clean Up:	MSD CREW WILL CLEAN AREA.
Control Zone:	ADVISED CUSTOMER TO AVOID SEWAGE CONTACT.
Impact:	OBSERVED MH# 112064 DISCHARGING 100 GPM.
Repair:	FLUSHED MAIN SEWERS AND MANHOLES SEVERAL TIMES. SIGNIFICANT GREASE BUILD-UP IN MH# 112065.
Public Notification:	ON SITE AND SIGNS.

#### Notifications:

9/13/21 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	$\prod$
9/13/21 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION	



KY0022411

KPDES # Facility Water Quality Treatement Center Receiving Stream of Treatment Center Region

ID

MSD0278 MORRIS FORMAN NA

Facility Type Facility ID Facility Address If Pump Station, Name of Pump Station: Receiving Stream Discharge to

SMHSewer Manhole 28249 3500 ST EDWARDS DR CHENOWETH RUN DITCH

Problem LACK OF Activity Code / Description WO # Ref No Initiated By **Assigned To Disch Status Event Date** Result Completed **Condition** <u>Initiated</u> DOCUMENTE : DISREV: RAIN EVENT 3427983 09/22/2021 DAVIS BROWNMITCHELL 03/12/2006 UNAUTHORIZED 09/23/21 09:17

DISCHARGE D SYSTEM DISCHARGE- AM

Discharge Reporting:

27001111190 71007011119		
Discharge Amount:	4,705 GAL	
Cause:	LACK OF SYSTEM CAPACITY.	
Clean Up:	WO#3428143.	
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.	
Impact:	SEWAGE/WATER DISCHARGING FROM MANHOLE.	
Repair:	LOCATION INCLUDED IN IOAP.	
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND DOOR HANGERS TO AVOID CONTACT WITH DISCHARGED CONTENT.	

## Notifications:

9/24/21 1:00 PM DISNOT EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
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10/6/2021 Page 3 of 14 3:29:13 PM



KY0022411

**Facility Water Quality Treatement Center Receiving Stream of Treatment Center** KPDES# Region

MSD0278 MORRIS FORMAN NA

**Facility Type** Facility ID If Pump Station, Name of Pump Station: **Receiving Stream** Discharge to **Facility Address** 

SMHSewer Manhole 28250 3506 CHARLANE PKY

CHENOWETH RUN

Problem LACK OF **Activity Code / Description** WO # Ref No Initiated By **Assigned To Disch Status Event Date** Result Completed **Condition** <u>Initiated</u> DOCUMENTE : DISREV: RAIN EVENT 3427984 09/22/2021 DAVIS BROWNMITCHELL 01/03/2005 UNAUTHORIZED 09/23/21 09:17

DISCHARGE D SYSTEM DISCHARGE-AM

MAIN

DITCH

#### Discharge Reporting:

<u> </u>	
Discharge Amount:	946 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	WO#3428133.
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	SEWAGE/WATER DISCHARGING FROM MANHOLE.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND DOOR HANGERS TO AVOID CONTACT WITH DISCHARGED CONTENT.

## Notifications:

9/24/21 1:00 PM DISNOT EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
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KY0022411

KPDES # Facility Water Quality Treatement Center Receiving Stream of Treatment Center Region

ID

MSD0278 MORRIS FORMAN NA

Facility Type Facility ID Facility Address If Pump Station, Name of Pump Station: Receiving Stream Discharge to

SMHSewer Manhole 28336 3620 CHARLANE PKY

CHENOWETH RUN DITCH

MAIN

Problem LACK OF Activity Code / Description WO # Ref No Initiated By **Assigned To Disch Status Event Date** Result Completed Condition <u>Initiated</u> 3427985 DOCUMENTE 09/23/21 09:22 : DISREV: RAIN EVENT 09/22/2021 DAVIS BROWNMITCHELL 08/30/2005 UNAUTHORIZED

D DISCHARGE D SYSTEM DISCHARGE- AM

Discharge Reporting:

27001111190 700401111191			
69,825 GAL			
LACK OF SYSTEM CAPACITY.			
Clean Up: WO#3428145.			
CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.			
SEWAGE/WATER DISCHARGING FROM MANHOLE.			
LOCATION INCLUDED IN IOAP.			
PUBLIC NOTFIIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND PERMANENT SIGNS ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.			

## Notifications:

9/24/21 1:00 PM DISNOT EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
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KPDES # Facility Water Quality Treatement Center Receiving Stream of Treatment Center Region

**KY0022411** MSD0278 MORRIS FORMAN NA

Facility TypeFacility IDFacility AddressIf Pump Station, Name of Pump Station:Receiving StreamDischarge toSMHSewer Manhole283403620 CHARLANE PKYCHENOWETH RUNGROUND

Problem LACK OF Result **Activity Code / Description** WO # Ref No Initiated By **Assigned To Disch Status Event Date** Completed Condition <u>Initiated</u> DOCUMENTE 09/23/21 09:20 : DISREV: RAIN EVENT 3427499 09/20/2021 DAVIS BROWNMITCHELL 01/03/2005 UNAUTHORIZED

DISCHARGE D SYSTEM DISCHARGE- AM

Discharge Reporting:

District Reporting.		
Discharge Amount:	46,550 GAL	
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.	
Clean Up:	WO#3428141.	
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.	
Impact:	MANHOLE DISCHARGING.	
Repair:	LOCATION INCLUDED IN THE IOAP.	
Public Notification:	PUBLIC NOTFIIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND DOOR HANGERS TO AVOID DISCHARGED CONTENT.	

#### Notifications:

9/24/21 1:00 PM DISNOT EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	9/24/21 1		DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
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KPDES # Facility Water Quality Treatement Center Receiving Stream of Treatment Center Region

**KY0022411** MSD0278 MORRIS FORMAN NA

Facility Type Facility ID Facility Address If Pump Station, Name of Pump Station: Receiving Stream Discharge to

SMHSewer Manhole 28413 3317 DELL RD CHENOWETH RUN GROUND

Problem LACK OF Result **Activity Code / Description** WO # Ref No **Initiated** Initiated By **Assigned To Disch Status Event Date** Completed **Condition** 3427986 DOCUMENTE : DISREV: RAIN EVENT 09/22/2021 DAVIS BROWNMITCHELL 03/20/2002 UNAUTHORIZED 09/23/21 09:27 DISCHARGE D SYSTEM DISCHARGE-AM

ARGE D SYSTEM DISCHARGE- AM

#### Discharge Reporting:

919 GAL
LACK OF SYSTEM CAPACITY.
WO#3428134.
CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
SEWAGE/WATER DISCHARGING FROM MANHOLE.
LOCATION INCLUDED IN IOAP.
PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND DOOR HANGERS TO AVOID CONTACT WITH DISCHARGED CONTENT.

## Notifications:

9/24/21 1:00 PM DISNOT EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
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**Facility Water Quality Treatement Center Receiving Stream of Treatment Center** KPDES# Region

MSD0278 MORRIS FORMAN NA KY0022411

**Facility Type** Facility ID If Pump Station, Name of Pump Station: **Receiving Stream** Discharge to **Facility Address** 

SMHSewer Manhole 3322 DELL RD 28414 CHENOWETH RUN **GROUND** 

Problem LACK OF Result **Activity Code / Description** WO # Ref No Initiated By **Assigned To Disch Status Event Date** Completed **Condition** <u>Initiated</u> DOCUMENTE : DISREV: RAIN EVENT 3427987 09/22/2021 DAVIS BROWNMITCHELL 01/03/2005 UNAUTHORIZED 09/23/21 09:27 DISCHARGE D SYSTEM DISCHARGE-AM

#### Discharge Reporting:

Discharge Amount:	1,832 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	WO #3428135.
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	SEWAGE/WATER DISCHARGING FROM MANHOLE.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND DOOR HANGERS TO AVOID CONTACT WITH DISCHARGED CONTENT.

## Notifications:

9/24/21 1:00 PM DISNOT EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
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KPDES # Facility Water Quality Treatement Center Receiving Stream of Treatment Center Region

**KY0022411** MSD0278 MORRIS FORMAN NA

Facility Type Facility ID Facility Address If Pump Station, Name of Pump Station: Receiving Stream Discharge to

SMHSewer Manhole 28415 3406 DELL RD CHENOWETH RUN GROUND

Problem LACK OF Result **Activity Code / Description** WO # Ref No Initiated By **Assigned To Disch Status Event Date** Completed Condition <u>Initiated</u> 3427988 09/23/21 09:29 : DISREV: RAIN EVENT 09/22/2021 DAVIS BROWNMITCHELL DOCUMENTE 12/19/2002 UNAUTHORIZED DISCHARGE D SYSTEM DISCHARGE-AM

MAIN

## Discharge Reporting:

Discharge Amount:  Cause: LACK OF SYSTEM CAPACITY. Clean Up: WO #3428136. Control Zone: CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA. Impact: SEWAGE/WATER DISCHARGING FROM MANHOLE. Repair: LOCATION INCLUDED IN IOAP. Public Notification: PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND DOOR HANGERS TO AVOID CONTACT WITH DISCHARGED CONTENT.	J	
Clean Up: WO #3428136.  Control Zone: CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.  Impact: SEWAGE/WATER DISCHARGING FROM MANHOLE.  Repair: LOCATION INCLUDED IN IOAP.  Public Notification: PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND DOOR HANGERS TO AVOID CONTACT WITH	Discharge Amount:	1,820 GAL
Control Zone:  CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.  Impact:  SEWAGE/WATER DISCHARGING FROM MANHOLE.  Repair:  LOCATION INCLUDED IN IOAP.  Public Notification:  PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND DOOR HANGERS TO AVOID CONTACT WITH	Cause:	LACK OF SYSTEM CAPACITY.
Impact: SEWAGE/WATER DISCHARGING FROM MANHOLE.  Repair: LOCATION INCLUDED IN IOAP.  Public Notification: PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND DOOR HANGERS TO AVOID CONTACT WITH	Clean Up:	WO #3428136.
Repair: LOCATION INCLUDED IN IOAP.  Public Notification: PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND DOOR HANGERS TO AVOID CONTACT WITH	Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Public Notification: PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND DOOR HANGERS TO AVOID CONTACT WITH	Impact:	SEWAGE/WATER DISCHARGING FROM MANHOLE.
	Repair:	LOCATION INCLUDED IN IOAP.
	Public Notification:	

## Notifications:

9/24/21 1:00 PM DISNOT EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
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**Facility Water Quality Treatement Center Receiving Stream of Treatment Center** KPDES# Region

MSD0278 MORRIS FORMAN NA KY0022411

**Facility Type** Facility ID If Pump Station, Name of Pump Station: **Receiving Stream Facility Address** Discharge to

SMHSewer Manhole 28451 3406 CHARLANE PKY CHENOWETH RUN **GROUND** 

Problem LACK OF Result Activity Code / Description WO # Ref No Initiated By **Assigned To Disch Status Event Date** Completed Condition <u>Initiated</u> DOCUMENTE 09/21/21 08:12 : DISREV: RAIN EVENT 3427498 09/20/2021 DAVIS BROWNMITCHELL 10/28/2015 UNAUTHORIZED DISCHARGE D SYSTEM DISCHARGE-AM

### Discharge Reporting:

The state of the s	
Discharge Amount:	2,134 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO #3428132.
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTFIIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND DOOR HANGERS TO AVOID DISCHARGED CONTENT.

#### Notifications:

9/24/21 1:00 PM DISNOT EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.OI SAYRE.DENNIS@EPAMAIL.EPA.GOV	₹G,
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KPDES # Facility Water Quality Treatement Center Receiving Stream of Treatment Center Region

ID MSD0278

MORRIS FORMAN

NA

Facility Type Facility ID Facility Address If Pump Station, Name of Pump Station: Receiving Stream Discharge to

SMHSewer Manhole 28453 3402 CHARLANE PKY

CHENOWETH RUN DITCH

Problem LACK OF **Activity Code / Description** WO # Ref No Initiated By **Assigned To Disch Status Event Date** Result Completed <u>Initiated</u> DOCUMENTE : DISREV: RAIN EVENT 3428150 09/20/2021 DAVIS BROWNMITCHELL 10/28/2015 UNAUTHORIZED 09/21/21 08:11

D SYSTEM DISCHARGE- AM

DISCHARGE

KY0022411

MAIN

Condition

#### Discharge Reporting:

Discharge Amount:	34,530 GAL
Cause:	LACK OF SYSTEM CAPACITY, HEAVY RAIN.
Clean Up:	WO #3428130.
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND DOOR HANGERS TO AVOID CONTACT WITH DISCHARGED CONTENT.

## Notifications:

9/24/21 1:00 PM DISNOT EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
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KY0022411

**Facility Water Quality Treatement Center Receiving Stream of Treatment Center** KPDES# Region

MSD0278

MORRIS FORMAN NA

**Facility Type** Facility ID If Pump Station, Name of Pump Station: **Receiving Stream** Discharge to **Facility Address** 

SMHSewer Manhole 45796 1011 ALTA CIR MIDDLE FORK BEARGRASS DITCH

Activity Code / Description WO # Ref No Initiated By **Assigned To Disch Status Event Date** <u>Problem</u> Completed Condition <u>Initiated</u> Result 3427989 DOCUMENTE 09/23/21 08:00 : DISREV: RAIN EVENT 09/22/2021 DAVIS BROWNMITCHELL 05/10/2014 LACK OF **UNAUTHORIZED** DISCHARGE D SYSTEM DISCHARGE-AM

MAIN

### Discharge Reporting:

Discharge Amount:	48,000 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	NO ACCESS, MANHOLE LOCATED IN THE CENTER OF THE CREEK.
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	SEWAGE/WATER DISCHARGING FROM MANHOLE.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTFIIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND PERMANENT SIGNS ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

### Notifications:

9/24/21 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
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NA



KY0022411

KPDES # Facility Water Quality Treatement Center Receiving Stream of Treatment Center Region

ID .

MSD0278 MORRIS FORMAN

Facility Type Facility ID Facility Address If Pump Station, Name of Pump Station: Receiving Stream Discharge to

SMHSewer Manhole CSO125 376 CRESCENT SPRING DR MIDDLE FORK BEARGRASS STREAM

Activity Code / Description WO # Ref No Initiated Initiated By Assigned To Disch Status Event Date Problem Result Completed Condition

: DISDW: DRY WEATHER 3430480 10/01/2021 FRENCH FRENCH REPAIRED - 10/16/2015 UTILITY UNAUTHORIZED 10/01/21 03:25
DISCHARGE DAMAGED MSD DISCHARGE PM

ISSUE DAMAGED MSD\_DISCHARGE- PM RESOLVED ASSET WATERS

## Discharge Reporting:

<u> </u>	
Discharge Amount:	325,000 GAL
Cause:	DISCHARGED WATER INCLUDES RESIDUAL WASTE STREAM FROM MUNICIPAL DRINKING WATER TREATMENT.
Clean Up:	MSD CREWS WILL CLEAN AND SANITIZE IMPACTED AREAS.
Control Zone:	MSD CREWS WILL CLEAN AND SANITIZE THE IMPACTED AREA.
Impact:	MOSTLY CLEAR WATER DISCHARGING FROM CSO OUTFALL TO CREEK.
Repair:	LWC WORKING TO REPAIR LINE.
Public Notification:	MSD WEBSITE UPDATED TO NOTIFY THE PUBLIC OF A DRY WEATHER OVERFLOW.

#### Notifications:

10/2/21 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
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NA

MAIN



KY0022411

KPDES # Facility Water Quality Treatement Center Receiving Stream of Treatment Center Region

ID MSD0278

MORRIS FORMAN

Facility Type Facility ID Facility Address If Pump Station, Name of Pump Station: Receiving Stream Discharge to SMHSewer Manhole IS021A-SI 1201 OLD CANNONS LN MIDDLE FORK BEARGRASS STREAM

SMHSewer Manhole IS021A-SI 1201 OLD CANNONS LN MIDDLE FORK BEARGRASS STREAM

**Activity Code / Description** WO # Ref No Initiated By **Event Date Problem** Condition **Initiated Assigned To Disch Status** Result <u>Completed</u> UNAUTHORIZED : DISREV: RAIN EVENT 3427477 09/20/2021 DAVIS BROWNMITCHELL DOCUMENTE 08/01/1969 LACK OF 09/23/21 02:15

DISCHARGE D SYSTEM DISCHARGE- AM

Discharge Reporting:

1,200,000 GAL
LACK OF SYSTEM CAPACITY HEAVY RAIN.
NO CLEAN UP PERFORMED – PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM.
PERMANENT SIGN IN PLACE – NO ADDITIONAL CONTROL ZONE SET UP.
NONE OBSERVED OVER FLOW NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
LOCATION INCLUDED IN THE IOAP.
PUBLIC NOTIFIED THROUGH PERMANENT OVER FLOW SIGNS POSTED ALONG THE CREEK, TO AVOID DISCHARGED CONTENT.

Notifications:

9/24/21 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
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**Total Facilities Printed: 14** 

Total Work Orders Printed: 14

10/6/2021 Page 14 of 14 3:29:13 PM

### Format: Month/Day/Year

Enter Start Date:

9/1/21

MORRIS KPDES F

RIS FORMAN	WATER QUALITY TREATMENT CENTER		JEFF	JEFFERSON COUNTY, KENTUCKY		Septemb	
ES PERMIT NO. KYO	022411	PLANT CAPACITY 7	120 MGD	RECEIVING STREAM-OHIO RIVE	₹		

Part	
Part	AL
First   Firs	FLUENT
Part   Filter   Fil	
Big   18-72   124-31   124   72   72   6.8   6.7   5.8   0.0   2.5   0.0   2	. Hours 2.2 0.0
90/21 8 83.0 0.00 /3 / 3 6.8 6.3 0.00 /3 / 73 6.8 6.3 6.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0	4.3 0.0
96221 78.54 8 0.00 72 72 6.9 6.4 9.5 0.3 288 77 8.3 8 0.00 72 72 6.9 6.4 9.5 0.3 128 77 8.3 8 0.00 0.0 0.6 4.09 0.016 310 0.06 0.02 0.02	7.0 8.7
Sect   101.64   127.33   637.7   72   72   72   72   72   72   72	6.8 24.0
96/21   101,04   127,33   63, 17   72   72   72   72   72   72   72	4.1 12.0
96/21   105.86   104.66   0.71   71   73   6.3   5.1   1.1	1.0 0.0
96/21   96/21	7.2 0.0
96021 94.07 62.25 1.52 69 69 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6	9.3 0.0
99021 74.86 74.86 0.00 71 71 6.9 6.4 9.9 0.1 292 33 0.1 428 120 22.3 23.8 20.4 1.2 6.9 5.9 350 51 0.29 0.30 3.24 0.016 52 0.10 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	2.0 0.0
941021 72.39 72.39 0.00 73 73 6.9 6.5 10.5 0.1 276 134 3.9 420 342 104 25.2 23.5 20.3 06 7.6 6.5 380 50 0.00 0.06 0.20 3.78 0.016 42 0.016 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.6 0.0
941/221 65.81 68.81 0.00 73 73 6.9 6.3 9.5 0.1 244 163 6.2 310 204 90 25.0 21.7 18.8 1.0 5.0 4.3 402 80 0.06 0.20 3.78 0.016 62 0.016 0.016 62 0.016 0	4.8 0.0
9/19/21 63.69 63.69 0.00 73 73 73 75 6.8 6.5 11.0 0.1 332 124 5.1 371 244 80 24.4 22.1 19.3 2.2 6.2 5.4 383 62 0.53 0.34 4.04 0.016 80 9/19/21 63.69 61.83 0.00 75 75 6.8 6.3 9.0 0.1 268 108 5.4 335 240 72 24.3 23.9 20.6 1.7 6.3 5.5 5.4 383 62 0.53 0.34 0.04 0.016 440 0.016 9/19/21 61.82 0.00 73 73 6.8 6.3 9.0 0.1 268 108 5.4 335 240 72 24.3 23.9 20.6 1.7 6.3 5.5 5.7 359 55 0.56 0.52 3.68 0.016 2200 9/18/21 59.05 59.95 0.00 75 75 6.8 6.3 10.0 0.1 284 118 5.2 310 208 73 23.7 22.3 19.3 2.0 6.2 5.4 360 57 0.46 0.25 3.68 0.016 2200 9/18/21 59.05 59.95 0.00 75 75 6.8 6.3 10.0 0.1 276 128 5.3 467 31.6 79 25.2 22.5 19.5 0.8 6.5 5.7 403 60 0.00 0.00 0.07 2.94 0.016 240 0.016 136 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	8.0 0.0
9/14/21 64.64 64.64 0.00 76 76 6.8 6.5 11.0 0.1 332 124 5.1 371 244 80 24.4 22.1 19.3 2.2 6.2 5.4 383 62 0.53 0.34 4.04 0.016 80 9/15/21 61.93 61.93 0.00 75 75 6.8 6.3 9.0 0.1 268 108 5.4 335 240 72 24.3 23.9 20.6 1.7 6.3 5.4 349 55 0.46 0.44 4.04 0.016 240 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	1.4 0.0
9/15/21 61.93 61.93 0.00 75 75 6.8 6.3 9.0 0.1 268 108 5.4 335 240 72 24.3 23.9 20.6 1.7 6.3 5.4 349 55 0.46 0.44 4.04 0.016 440 0.016 9/15/21 61.93 61.93 0.00 75 75 6.8 6.3 11.0 0.1 284 118 5.2 310 208 73 23.7 22.3 19.3 2.0 6.2 5.4 360 57 0.46 0.25 3.68 0.016 2200 0.00 73 73 6.8 6.8 6.3 11.0 0.1 284 118 5.2 310 208 73 23.7 22.3 19.3 2.0 6.2 5.4 360 57 0.46 0.25 3.68 0.016 278 0.00 75 75 6.8 6.2 11.0 0.1 276 128 5.3 467 316 79 25.2 22.5 19.5 0.8 6.5 5.7 403 60 0.00 0.00 0.00 0.00 0.00 0.00 0.00	5.4 0.0
9/15/21 61.93 61.93 61.93 0.00 75 75 6.8 6.9 6.2 15.0 0.1 300 150 5.0 376 284 88 24.4 22.6 19.7 2.0 6.5 5.7 359 53 0.56 0.52 3.68 0.016 2200 150 150 150 150 150 150 150 150 150 1	5.9 0.0
9/16/21 62.22 62.22 0.00 73 73 73 6.8 6.3 11.0 0.1 284 118 5.2 310 208 73 23.7 22.3 19.3 2.0 6.2 5.4 360 57 0.46 0.25 3.68 0.016 278 0.016 278 0.016 278 0.016 278 0.016 278 0.016 278 0.016 0.016 278 0.016	8.2 0.0
9/17/21 61.82 61.82 0.00 75 75 6.8 6.5 11.0 0.1 256 11.0 0.1 276 128 5.3 467 316 79 25.2 22.5 19.5 0.8 6.5 5.7 403 60 0.00 0.07 2.94 0.016 240 11.0 0.1 276 12.0 0.1	5.8 0.0
9/19/21 112.06 82.75 29.31 77 77 6.7 6.2 10.0 1.2 340 265 5.3 317 287 132 22.7 20.0 0.7 6.4 5.7 434 67 0.29 0.14 5.37 0.016 136 136 136 136 136 136 136 136 136 1	2.4 0.0
9/92/21 249.46 130.83 118.63 74 74 6.7 6.2 3.5 2.1 194 275 6.1 90 89 96 23.8 22.9 19.7 7.4 3.3 2.8 154 51 0.54 0.44 5.37 0.016 60000 9/20/21 138.34 125.72 12.62 73 73 6.8 6.3 4.5 0.3 152 84 5.7 166 92 46 26.1 20.6 17.7 13.1 3.5 3.0 218 62 0.58 0.44 5.02 0.016 410 9/22/21 304.05 143.13 160.92 70 70 6.8 6.1 2.1 1.9 92 176 6.1 84 93 95 25.8 20.3 17.2 12.4 3.1 2.6 171 56 0.51 0.34 6.54 0.016 1500 9/23/21 107.26 141.65 55.61 69 69 7.0 6.7 10.1 0.3 120 67 6.3 123 56 35 24.5 20.2 17.0 14.3 3.0 2.5 153 51 0.43 0.24 6.54 0.016 78 9/24/21 128.49 122.17 6.32 70 70 6.9 6.3 7.5 0.1 254 34 5.3 259 134 25 25.3 21.5 18.1 6.8 3.7 3.1 172 46 0.24 0.25 3.49 0.016 20 9/25/21 97.59 97.59 97.59 97.59 97.59 97.59 97.59 97.59 97.59 97.59 97.59 97.59 0.00 72 72 70 0.00 6.3 10.2 0.1 212 46 6.6 250 155 29 25.6 22.1 18.7 4.9 4.7 4.0 287 60 0.00 0.04 2.69 0.016 44 1.57 4.9 24.4 6.0 0.00 0.04 2.69 0.016 4.4 1.57 4.9 24.4 6.0 0.00 0.00 0.00 0.00 0.00 0.00 0.	2.3 0.0
9/20/21 138.34 125.72 12.62 73 73 6.8 6.3 4.5 0.3 152 84 5.7 166 92 46 26.1 20.6 17.7 13.1 3.5 3.0 218 62 0.58 0.44 5.02 0.016 410 9/20/21 304.05 143.13 160.92 70 70 6.8 6.1 2.1 1.9 92 176 6.1 84 93 95 25.8 20.3 17.2 12.4 3.1 2.6 171 56 0.51 0.34 6.54 0.016 1500 9/20/21 197.26 141.65 55.61 69 69 7.0 6.7 10.1 0.3 120 67 6.3 123 56 35 24.5 20.2 17.0 14.3 3.0 2.5 153 51 0.43 0.24 6.54 0.016 78 9/20/21 128.49 122.17 6.32 70 70 6.9 6.3 7.5 0.1 254 34 5.3 259 134 25 25.3 21.5 18.1 6.8 3.7 3.1 172 46 0.24 0.25 3.49 0.016 20 9/20/21 97.59 97.59 97.59 97.59 97.59 97.59 97.59 97.59 97.59 97.59 97.59 0.00 72 72 70 6.3 10.2 0.1 212 46 6.6 250 155 29 25.6 22.1 18.7 4.9 4.7 4.0 287 60 0.00 3 0.08 2.69 0.016 4	5.5 0.0
9/21/21 188.94 125.72 126.92 70 70 6.8 6.1 2.1 1.9 92 176 6.1 84 93 95 25.8 20.3 17.2 12.4 3.1 2.6 171 56 0.51 0.34 6.54 0.016 1500 1500 1500 1500 1500 1500 1500 1	2.8 0.0
9/22/21 197.26 141.65 55.61 69 69 7.0 6.7 10.1 0.3 120 67 6.3 123 56 35 24.5 20.2 17.0 14.3 3.0 2.5 153 51 0.43 0.24 6.54 0.016 78 9/23/21 128.49 122.17 6.32 70 70 6.9 6.3 7.5 0.1 254 34 5.3 259 134 25 25.3 21.5 18.1 6.8 3.7 3.1 172 46 0.24 0.25 3.49 0.016 20 9/25/21 97.59 97.59 97.59 97.59 97.59 97.59 97.59 97.59 0.00 72 72 7.0 6.3 10.2 0.1 212 46 6.6 250 155 29 25.6 22.1 18.7 4.9 4.7 4.0 287 60 0.03 0.08 2.69 0.016 4	2.4 0.0
9/24/21 9/25/21 97.59 97.59 0.00 72 72 70 6.9 6.3 7.5 0.1 254 34 5.3 259 134 25 25.3 21.5 18.1 6.8 3.7 3.1 172 46 0.24 0.25 3.49 0.016 20 136 136 136 136 136 136 136 136 136 136	3.3 0.0
9/25/21 97.59 97.59 0.00 72 72 70 6.3 10.2 0.1 212 46 6.6 250 155 29 25.6 22.1 18.7 4.9 4.7 4.0 287 60 0.00 0.04 2.80 0.016 136 4	3.0 0.0
9/25/21 9/35 9/35 0/35 12 12 13 10 10 10 10 10 10 10 10 10 10 10 10 10	2.6 0.0
9/26/21 84.53 84.53 0.00 73 73 6.8 6.3 8.6 0.3 174 67 5.1 262 240 45 25.5 19.0 16.1 1.4 5.7 4.9 344 60 0.03 0.08 2.69 0.016 4	3.2 0.0
98/2012   98/201	4.2 0.0
9687 76 87 000 77 77 6.7 6.4 10.2 0.3 300 75 5.5 440 241 46 25.2 21.1 18.1 1.5 5.4 4.7 362 66 0.32 0.38 2.99 0.016 4	0.4 0.0
979921 70.94 70.94 0.00 77 77 6.7 6.3 11.1 0.1 308 39 5.8 426 252 41 25.4 24.8 21.4 0.5 5.5 4.8 326 58 0.56 0.47 2.64 0.016 378	1.0 0.0
9/30/21 69 15 69 15 0.00 76 76 6.7 6.3 11.0 0.1 312 38 5.5 400 221 30 25.5 21.8 19.0 0.6 5.6 4.9 419 73 0.42 0.44 2.80 0.016 4	0.2 0.0
Sum 3113.86 2651.80 462.06 735.8 689.4 574.2 121.9 157.2 135.6 8950 1685 10.50 8.11 120.12	44.7
Average 103.80 88.39 46.21 73 73 6.9 6.3 8.9 0.3 238 97 5.3 295 205 64 24.5 22.3 19.1 4.1 5.2 4.5 298 56 0.35 0.27 4.00 0.016 176	8.6

SEWER CONNECTIONS

592152 SEWER POPULATION

IND. WASTER POPULATION EQ

CUSTOMERS

FLOW 422666 931756 405675 BOD

TSS

MORRIS FORMAN WASTEWATER TREATMENT PLANT

Month of Sep-21

.JEFFERSON COUNTY, KY

	Primary	Secondary		
SETTLING TANKS		Battery A	Battery B	Battery C
Average Flow (MGD)	106.56	25.31	26.76	12.50
Tanks in Service	4.00	7.6	8.0	4.0
Surface Area (Ft.2)	77000.00	66080.82	69200.00	34600.00
Volume (MG)	8.33	6.77	7.09	3.54
Weir Length (Ft.)	2860.00	2738.73	2868.00	1434.00
Avg. Weir Overflow (GPD/Ft)	37257.29	9243.21	9331.63	8719.22
Avg. Settling Rate (GPD/Ft2)	1383.84	538.49	531.26	480.89
Avg. Detention Time	1.88	6.42	6.36	6.80

4200000	4200000	2100000
35.58	36.76	16.64
3.98	3.77	4.03
	35.58	35.58 36.76

CHLORINE CONTACT CHAMBERS

Contact Chambers in Use

2.0 2340000

Volume (Gallons) Avg. Detention Time (Hours)

1.11

Remarks: BY-PASS REPORTS (See Attached)