

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

January 14, 2019

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 December 1st to December 31st 2018 are provided through NetDMR. The Morris Forman Water Quality Treatment Center (MFWQTC) did not meet 30 day TSS, 7 day TSS, 30 day BOD, 7 day BOD, TSS and BOD Percent Removal for the reporting period.

Compromised solids handling equipment is contributing to the exceedances. MFWQTC continues to employ additional solids processing methods: 24 hour dewatered cake and an outside vendor to assist with solids handling in addition to purchasing additional Liquid Oxygen in an effort to meet permit requirements.

Quarterly Acute Toxicity testing was performed January 3, 2019 on the final effluent with a passing result.

Should you have any questions, please contact me at (502) 540-6793.

Sincerely,

Alex E. Novak, P.E.

Treatment Facilities Director

DMR Copy of Record

Permit															
Permit #:	KY0022411		Permittee:		Morris Forman WQT	C MSD		Facility:			MORRIS FO	DRMAN W	VQTO	C MSD	
Major:	Yes		Permittee	Address:	700 W Liberty St Louisville, KY 40203			Facility I			4522 ALGO LOUISVILLI	NQUIN PI	KWY		
Permitted Feature:	001 External Outfall		Discharge		001-1 MUNICIPAL DISCH.	ARGE	·								
Report Dates & Status			'												
Monitoring Period:	From 12/01/18 to 12/31/18		DMR Due I	Date:	01/28/19			Status:			NetDMR Va	lidated			
Considerations for Form Completion			'												
G - INFLUENTE - SECONDARY EFFLU Season not needed.	JENT1 - FINAL EFFLUENT - Parame	eter 74055 -	- Use Season 1 for	summer months (May, June	e, July, August, Septemb	per, and October) a	and Season 2 for	winter mo	onths (Novem	nber, Dece	ember, January, Fe	ebruary Ma	arch.	, and April); enter NODI	=9 for the
Principal Executive Officer															
First Name:	James A.		Title:		Executive Director			Telepho	ne:		502-540-60	00			
Last Name:	Parrott						1	1							
No Data Indicator (NODI)															
Form NODI:	-														
Parameter	Monitoring Location	Season # P	Param. NODI	Qu	antity or Loading			(Quality or Cond	entration			# c	of Ex. Frequency of Analysi	is Sample Type
Code Name				Qualifier 1 Value 1	Qualifier 2 Value 2	Units Qualif		ualifier 2	Value 2	Qualifier 3		Units		2.1/2.1 2 11	22 22 12
00300 Oxygen, dissolved [DO]	1 - Effluent Gross	0	Sample Permit Re	n		= >=	2.6 2 INST MIN					19 - mg/L 19 - mg/L	0	01/01 - Daily 01/01 - Daily	GR - GRAB GR - GRAB
exygen, alecened [20]	- Lindon Cross		Value NO				Z II (C I WIII (ro mg/L		51761 Bany	OK OIGE
			Sample		= 120189	26 - Ib/d	=	89		-		19 - mg/L		01/01 - Daily	CP - COMPOS
X ₀₀₃₁₀ BOD, 5-day, 20 deg. C	E - Secondary/Biological Process Complete	0	Permit Re Value NO		Req Mon MX Wh	(AV 26 - lb/d	<=	30	MO AVG	<=	45 MX WK AV	19 - mg/L	1	01/01 - Daily	CP - COMPOS
			Sample		= 310383	26 - lb/d	=	298	3	=	453	19 - mg/L		01/01 - Daily	CP - COMPOS
00310 BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	Permit Re	Req Mon MO AVG	Req Mon MX W	(AV 26 - lb/d		Re	q Mon MO AVG		Req Mon MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMPOS
			Value NO	DI			6.2				7	12 - SU		01/01 - Daily	GR - GRAB
00400 pH	1 - Effluent Gross	0	Sample Permit Re	q.		>=	6 MINIMUM			= <=		12 - SU	0	01/01 - Daily	GR - GRAB
			Value NO											·	
V O III A A A A			Sample		= 250388	26 - lb/d	=	174		=		19 - mg/L		01/01 - Daily	CP - COMPOS
X ₀₀₅₃₀ Solids, total suspended	E - Secondary/Biological Process Complete		Permit Re Value NO		Req Mon MX Wh	AV 26 - ID/0	<=	30	MO AVG	<=	45 MX WK AV	19 - mg/L	-1	01/01 - Daily	CP - COMPOS
			Sample		= 336112	26 - Ib/d	=	340	0	=	477	19 - mg/L		01/01 - Daily	CP - COMPOS
00530 Solids, total suspended	G - Raw Sewage Influent	0	Permit Re		Req Mon MX Wh	(AV 26 - lb/d		Re	q Mon MO AVG		Req Mon MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMPOS
			Value NO		= 8092	26 - Ib/d	=	8.7	,	_	12.8	19 - mg/L		01/01 - Daily	CP - COMPOS
00610 Nitrogen, ammonia total [as N]	E - Secondary/Biological Process Complete	0	Permit Re				<=		MO AVG	<=		19 - mg/L	0	01/01 - Daily	CP - COMPOS
			Value NO												
00610 Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	Sample Permit Re		= 9167 Req Mon MX Wh	26 - lb/d	=	10. Re	.1 q Mon MO AVG		14.9 Req Mon MX WK AV	19 - mg/L 19 - mg/l	0	01/01 - Daily 01/01 - Daily	CP - COMPOS CP - COMPOS
and the second s	o ran conago umaon		Value NO		i toq mon mix in	1711 20 1270			4		i toq iii oʻi ii ii ti ti ti ti	g, _		0.1701 Daily	0. 00 00
			Sample		= 126.83	03 - MGD								99/99 - Continuous	CN - CONTIN
50050 Flow, in conduit or thru treatment plant	E - Secondary/Biological Process Complete	0	Permit Re Value NO		Req Mon DAILY	MX 03 - MGD							0	99/99 - Continuous	CN - CONTIN
			Sample							<	0.016	19 - mg/L		01/01 - Daily	GR - GRAB
50060 Chlorine, total residual	1 - Effluent Gross	0	Permit Re							<=	0.019 DAILY MX	19 - mg/L	0	01/01 - Daily	GR - GRAB
			Value NO	DI				134	1	_	278	13 - #/100m	nl .	01/01 - Daily	GR - GRAB
74055 Coliform, fecal general	1 - Effluent Gross	2	Permit Re	q.			<=					13 - #/100m		01/01 - Daily	GR - GRAB
			Value NO	DI											
V POD E day paraent removal	K - Percent Removal	0	Sample Permit Re			=	70 85 MO MIN					23 - % 23 - %		01/30 - Monthly	CA - CALCTD
81010 BOD, 5-day, percent removal	K - Percent Kemovai	0	Value NO			>=	OS IVIO IVIIIV					23 - 70	- '	01/30 - Monthly	CA - CALCTD
			Sample			=	49					23 - %		01/30 - Monthly	CA - CALCTD
X 81011 Solids, suspended percent removal	K - Percent Removal	0	Permit Re			>=	85 MO MIN					23 - %	1	01/30 - Monthly	CA - CALCTD
Submission Note			Value NO	וע											
	values for the Comple per Effluent T	rading the	n none of the follow	ing fiolds will be submitted	for that row, Unita Number	or of Eveuroions	Eroquopou of Ara-	alvois es	d Comple To	20					
If a parameter row does not contain any	values for the Sample flor Efficient T	rauriy, the	in none of the follow	ing neids will be submitted	ioi triat iow. Units, inumi	Del OI EXCUISIONS,	requericy or Ana	aiysis, and	u Sample Typ	Je.					
Edit Check Errors															
Parameter		Monitorio	a Location		Field	_	vino.			Dr	corintion			6-1	(nowledge
Code		Monitoring	y Location		Field	1	ype			Des	scription			Ack	knowledge

00530	Solids, total suspended	E - Secondary/Biological Process Complete	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the peri	mit limit. (Error Code: 1)	Yes
00530	Solids, total suspended	E - Secondary/Biological Process Complete	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the peri	mit limit. (Error Code: 1)	Yes
81011	Solids, suspended percent removal	K - Percent Removal	Quality or Concentration Sample Value 1	Soft	The provided sample value is outside the period	mit limit. (Error Code: 1)	Yes
81010	BOD, 5-day, percent removal	K - Percent Removal	Quality or Concentration Sample Value 1	Soft	The provided sample value is outside the period	mit limit. (Error Code: 1)	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 period	mit limit. (Error Code: 1)	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 per	mit limit. (Error Code: 1)	Yes
Commer	nts						
Attachm	ents						
		Na	me			Туре	Size
Decembe	r2018_OverflowReport_MorrisForman.pdf					pdf	159399
MFWQTC	overletter122018.pdf					pdf	30774
MFWQTC	MOR122018.pdf					pdf	93755
Report L	ast Saved By						
Morris F	orman WQTC MSD						
User:		kessel@louisvillemsd.org					
Name:		John Kessel					
E-Mail:		kessel@louisvillemsd.org					
Date/Tim	e:	2019-01-22 12:03 (Time Zone: -05:00)					
Report L	ast Signed By						
User:		kessel@louisvillemsd.org					
Name:		John Kessel					
E-Mail:		kessel@louisvillemsd.org					

2019-01-22 12:03 (Time Zone: -05:00)

Date/Time:

DMR Copy of Record

Permit

Permit #: KY0022411

Major: Yes Permittee: Morris Forman WQTC MSD

Permittee Address: 700 W Liberty St

Louisville, KY 40203

Facility Location:

Facility:

Status:

MORRIS FORMAN WQTC MSD

4522 ALGONQUIN PKWY LOUISVILLE, KY 40211

Permitted Feature: 001

External Outfall

Discharge: 001-Y

Title:

BIOMONITORING/ONCE PER QUARTER

Report Dates & Status

From 10/01/18 to 12/31/18 **Monitoring Period:**

DMR Due Date: 01/28/19 **NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name: James A.

Parrott

Executive Director

Telephone: 502-540-6000

No Data Indicator (NODI)

Last Name:

Form NODI:

Monitoring Location Season # Param. NODI **Quantity or Loading Quality or Concentration** # of Ex. Frequency of Analysis Sample Type Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 1 Value 1 Qualifier 2 Code Name Value 2 Qualifier 3 Value 3 Units Sample 305 01/90 - Quarterly CP - COMPOS 00900 Hardness, total [as CaCO3] Req Mon MO AVG Req Mon DAILY MX 19 - mg/L CP - COMPOS 1 - Effluent Gross Permit Red 01/90 - Quarterly Value NOD Sample 19 - mg/L CP - COMPOS 0.05 0.05 01/90 - Quarterly 01025 Cadmium, dissolved [as Cd] 1 - Effluent Gross 0 Permit Req Req Mon MO AVG Req Mon DAILY MX 19 - mg/L 01/90 - Quarterly CP - COMPOS Value NODI CP - COMPOS Sample 0.01 0.01 19 - mg/L 01/90 - Quarterly 01040 Copper, dissolved [as Cu] 1 - Effluent Gross Permit Req Req Mon MO AVG Req Mon DAILY MX 19 - mg/L 01/90 - Quarterly CP - COMPOS Value NODI CP - COMPOS Sample 0.05 0.05 19 - mg/L 01/90 - Quarterly CP - COMPOS 01049 Lead, dissolved [as Pb] 1 - Effluent Gross 0 Permit Req Reg Mon MO AVG Reg Mon DAILY MX 19 - mg/L 01/90 - Quarterly Value NODI 01/90 - Quarterly CP - COMPOS Sample 0.05 0.05 19 - mg/L 01090 Zinc, dissolved [as Zn] 1 - Effluent Gross Reg Mon MO AVG Req Mon DAILY MX 19 - mg/L CP - COMPOS Permit Rea 01/90 - Quarterly 0 Value NODI Sample 0.05 0.05 01/90 - Quarterly CP - COMPOS 19 - ma/L 01094 Zinc, total recoverable 1 - Effluent Gross 0 Permit Req. Reg Mon MO AVG Reg Mon DAILY MX 19 - mg/L 01/90 - Quarterly CP - COMPOS Value NODI Sample 01/90 - Quarterly CP - COMPOS 0.05 0.05 19 - mg/L 01113 Cadmium, total recoverable 1 - Effluent Gross Permit Req Req Mon MO AVG Req Mon DAILY MX 19 - mg/L 01/90 - Quarterly CP - COMPOS Value NODI CP - COMPOS Sample 0.05 0.05 19 - mg/L 01/90 - Quarterly 01114 Lead, total recoverable CP - COMPOS 1 - Effluent Gross 0 Permit Red Req Mon MO AVG Req Mon DAILY MX 19 - mg/L 01/90 - Quarterly Value NODI Sample 0.042 0.042 01/90 - Quarterly CP - COMPOS 19 - mg/L Req Mon MO AVG Req Mon DAILY MX 19 - mg/L 01119 Copper, total recoverable 1 - Effluent Gross Permit Rea. 01/90 - Quarterly CP - COMPOS Value NODI G2 - GRAB-2 Sample 2F - tox acute 01/90 - Quarterly 61406 Toxicity, final conc toxicity units 1 - Effluent Gross Permit Req 1 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:

kessel@louisvillemsd.org

John Kessel Name:

E-Mail: kessel@louisvillemsd.org Date/Time: 2019-01-22 11:59 (Time Zone: -05:00)

Report Last Signed By

User: kessel@louisvillemsd.org

Name: John Kessel

E-Mail: kessel@louisvillemsd.org

Date/Time: 2019-01-22 12:03 (Time Zone: -05:00)

DMR Copy of Record

01079 Silver total recoverable

Permit Permit #: KY0022411 Permittee: Morris Forman WQTC MSD Facility: MORRIS FORMAN WQTC MSD Major: Yes **Permittee Address:** 700 W Liberty St **Facility Location:** 4522 ALGONQUIN PKWY Louisville, KY 40203 LOUISVILLE, KY 40211 001 Discharge: 001-P4 Permitted Feature: **External Outfall** PRETREATMENT Report Dates & Status From 01/01/18 to 12/31/18 **DMR Due Date:** Status: **Monitoring Period:** 01/28/19 **NetDMR Validated Considerations for Form Completion** FOR LEAD(PB), COPPER(CU), ZINC(ZN)AND CADMIUM(CD) REPORT ONLY THE RESULTS NOT ASSOCIATED WITHBIOMONITORING TESTS. **Principal Executive Officer** Title: **First Name:** James A. Exec. Director Telephone: 502-540-6000 Last Name: Parrott No Data Indicator (NODI) Form NODI: Parameter Monitoring Location Season # Param. NODI **Quantity or Loading Quality or Concentration** # of Ex. Frequency of Analysis Sample Type Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 1 Value 1 Qualifier 2 Units Value 2 **Qualifier 3** Value 3 Sample 19 - mg/L 01/YR - Annual CP - COMPOS CP - COMPOS 1 - Effluent Gross Req Mon MO AVG Reg Mon DAILY MX 01/YR - Annual 00665 Phosphorus, total [as P] Permit Rec 19 - mg/L Value NOD Sample 7.6 11.8 01/YR - Annual CP - COMPOS 19 - mg/L Req Mon MO AVG 00665 Phosphorus, total [as P] G - Raw Sewage Influent 0 Permit Reg Req Mon DAILY MX 19 - mg/L 01/YR - Annual CP - COMPOS Value NODI 01/YR - Annual GR - GRAB Sample 0.02 0.02 19 - mg/L 00722 Cyanide, free [amen. to chlorination] 1 - Effluent Gross Permit Req. Req Mon MO AVG Req Mon DAILY MX 01/YR - Annual GR - GRAB 19 - mg/L Value NOD Sample 0.018 0.02 19 - mg/L 01/YR - Annual GR - GRAB 01/YR - Annual GR - GRAB 00722 Cyanide, free [amen. to chlorination] G - Raw Sewage Influent 0 Permit Req. Reg Mon MO AVG Reg Mon DAILY MX 19 - mg/L Value NODI 01/YR - Annual CP - COMPOS Sample 198 198 19 - mg/L 00940 Chloride [as CI] Rea Mon MO AVG Rea Mon DAILY MX 01/YR - Annual CP - COMPOS 1 - Effluent Gross Permit Reg 19 - mg/L 0 Value NOD Sample 86.6 86.6 19 - mg/L 01/YR - Annual CP - COMPOS 00940 Chloride [as CI] G - Raw Sewage Influent 0 Permit Reg. Reg Mon MO AVG Reg Mon DAILY MX 19 - mg/L 01/YR - Annual CP - COMPOS Value NOD Sample 0.05 0.067 01/YR - Annual CP - COMPOS 19 - mg/L 00978 Arsenic, total recoverable 1 - Effluent Gross Permit Req Req Mon MO AVG Req Mon DAILY MX 19 - mg/L 01/YR - Annual CP - COMPOS Value NOD CP - COMPOS 01/YR - Annual Sample 0.05 0.05 19 - mg/L Reg Mon MO AVG Req Mon DAILY MX 01/YR - Annual CP - COMPOS 00978 Arsenic, total recoverable G - Raw Sewage Influent 0 **Permit Rea** 19 - mg/L Value NODI Sample 0.8 1.75 19 - mg/L 01/YR - Annual CP - COMPOS 00980 Iron, total recoverable 1 - Effluent Gross Permit Rea Rea Mon MO AVG Reg Mon DAILY MX 01/YR - Annual CP - COMPOS 19 - mg/L Value NOD 01/YR - Annual CP - COMPOS Sample 1.52 19 - mg/L 00980 Iron, total recoverable G - Raw Sewage Influent 0 Permit Req. Req Mon MO AVG Req Mon DAILY MX 19 - mg/L 01/YR - Annual CP - COMPOS Value NODI Sample 0.0027 0.0046 19 - mg/L 01/YR - Annual CP - COMPOS 01/YR - Annual CP - COMPOS 00981 Selenium, total recoverable 1 - Effluent Gross Permit Req. Req Mon MO AVG Req Mon DAILY MX 19 - mg/L Value NOD 19 - mg/L 01/YR - Annual CP - COMPOS Sample 0.0027 0.0035 Req Mon DAILY MX 01/YR - Annual CP - COMPOS Permit Rea. 00981 Selenium, total recoverable G - Raw Sewage Influent 0 Rea Mon MO AVG 19 - mg/L Value NODI Sample 0.05 0.05 01/YR - Annual CP - COMPOS 19 - mg/L Permit Req. Reg Mon MO AVG Reg Mon DAILY MX 01/YR - Annual CP - COMPOS 01074 Nickel, total recoverable 1 - Effluent Gross 19 - mg/L Value NOD Sample 0.05 0.05 19 - mg/L 01/YR - Annual CP - COMPOS 01074 Nickel, total recoverable G - Raw Sewage Influent 0 Permit Req. Req Mon MO AVG Req Mon DAILY MX 19 - mg/L 01/YR - Annual CP - COMPOS Value NOD CP - COMPOS Sample 0.004 0.004 19 - mg/L 01/YR - Annual Req Mon MO AVG 01079 Silver total recoverable Req Mon DAILY MX 01/YR - Annual CP - COMPOS 1 - Effluent Gross Permit Rea 19 - mg/L Value NODI

0.004

Reg Mon MO AVG

Sample

Permit Reg

Value NODI

G - Raw Sewage Influent 0

19 - mg/L

19 - mg/L

0.004

Reg Mon DAILY MX

01/YR - Annual

01/YR - Annual

CP - COMPOS

CP - COMPOS

		Sample	= 0.069	0.167	19 - mg/L	01/YR - Annual	CP - COMPOS
01094 Zinc, total recoverable	1 - Effluent Gross 0 -	Permit Req.	Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
		Value NODI					
		Sample	= 0.128 =	0.224	19 - mg/L	01/YR - Annual	CP - COMPOS
01094 Zinc, total recoverable	G - Raw Sewage Influent 0	Permit Req.	Reg Mon MO AVG	Req Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
		Value NODI					
		Sample	= 0.00028 =	0.00045	19 - mg/L	01/YR - Annual	CP - COMPOS
01113 Cadmium, total recoverable	1 - Effluent Gross 0	Permit Req.	Reg Mon MO AVG	Reg Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
		Value NODI					
		Sample	< 0.05 <	0.05	19 - mg/L	01/YR - Annual	CP - COMPOS
01113 Cadmium, total recoverable	G - Raw Sewage Influent 0	Permit Req.	Reg Mon MO AVG	Reg Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
,	i i i i i i i i i i i i i i i i i i i	Value NODI					
		Sample	< 0.05 <	0.05	19 - mg/L	01/YR - Annual	CP - COMPOS
01114 Lead, total recoverable	1 - Effluent Gross 0 -	Permit Req.	Reg Mon MO AVG	Reg Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
		Value NODI					
		Sample	< 0.05 <	0.05	19 - mg/L	01/YR - Annual	CP - COMPOS
01114 Lead, total recoverable	G - Raw Sewage Influent 0	Permit Req.	Reg Mon MO AVG	Reg Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
	canagac	Value NODI					
		Sample	< 0.05 <	0.05	19 - mg/L	01/YR - Annual	CP - COMPOS
01118 Chromium, total recoverable	1 - Effluent Gross 0	Permit Req.	Reg Mon MO AVG	Req Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
orrio omornium, total roceverasio	1 Emacin Gloss	Value NODI	Tool mon mo Ave	Trod Mon British Mix	10 mg/L	O I / I I / I I I I I I I I I I I I I I	01 001111 00
		Sample	< 0.05 <	0.05	19 - mg/L	01/YR - Annual	CP - COMPOS
01118 Chromium, total recoverable	G - Raw Sewage Influent 0	Permit Req.	Reg Mon MO AVG	Reg Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
orriodilidii, total recoverable	G - Naw Gewage Illidelit 0	Value NODI	req Mon MO AVO	Red MOLI DAIET MX	19 - 111g/L	OT/TIX - Allilual	Ci - COIVII OS
		Sample	= 0.02 =	0.068	19 - mg/L	01/YR - Annual	CP - COMPOS
1119 Copper, total recoverable	1 - Effluent Gross 0	Permit Req.	Reg Mon MO AVG	Reg Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
of 119 copper, total recoverable	1 - Ellidelit Gloss	Value NODI	Ived Monting Avo	Red MOLI DAIET MX	19 - 111g/L	OT/TIX - Allillual	Ci - COIVII OS
		Sample	= 0.049 =	0.09	19 - mg/L		
01119 Copper, total recoverable	G - Raw Sewage Influent 0 -	Permit Req.	= 0.049 = Reg Mon MO AVG	Reg Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
orriva Copper, total recoverable	G - Naw Gewage Illidelit 0	Value NODI	Ived Monting Avo	Red MOLI DAIET MX	19 - 111g/L	OT/TIX - Allilual	Ci - COIVII OS
		Sample	< 2 <	2	19 - mg/L		
03582 Oil and grease	1 - Effluent Gross 0	Permit Req.	Reg Mon MO AVG	Reg Mon DAILY MX	19 - mg/L	01/YR - Annual	GR - GRAB
03362 Oil and grease	1 - Ellidelit Gloss 0	Value NODI	Red Moll MO AVA	Red MOII DAILT MX	19 - 111g/L	01/1K - Alliluai	GR - GRAD
		Sample					
03503 Oil and grane	G - Raw Sewage Influent 0	Permit Req.	Reg Mon MO AVG	Reg Mon DAILY MX	40	01/YR - Annual	GR - GRAB
03582 Oil and grease	G - Raw Sewage Illiluent 0	Value NODI	·	· ·	19 - mg/L	01/TR - Allilual	GR - GRAD
			E - Analysis Not Conducted/No Sample	E - Analysis Not Conducted/No 0.02		01/YR - Annual	GR - GRAB
24042 Phonoline total	4. Effluent Cross	Sample Parmit Parmit	< 0.02 <		19 - mg/L		
34043 Phenolics, total	1 - Effluent Gross 0 -	Permit Req.	Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L	01/YR - Annual	GR - GRAB
		Value NODI	0.000	0.000	40	04 N/D A	OD ODAD
04040 Pharation 4-4-1	O. David Carrage Influent O	Sample	= 0.086 =	0.086	19 - mg/L	01/YR - Annual	GR - GRAB
34043 Phenolics, total	G - Raw Sewage Influent 0	Permit Req.	Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L	01/YR - Annual	GR - GRAB
		Value NODI	0.00045	2 22245	40 (1	040/0 4	00.0011000
74004	1 577 10	Sample	= 0.000015 =	0.000015	19 - mg/L	01/YR - Annual	CP - COMPOS
71901 Mercury, total recoverable	1 - Effluent Gross 0 -		Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
		Value NODI				2125	05 0011500
		Sample	= 0.0000641 =	0.0000641	19 - mg/L	01/YR - Annual	CP - COMPOS
71901 Mercury, total recoverable	G - Raw Sewage Influent 0 -	Permit Req.	Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
		Value NODI					
		Sample	< 0.005 <	0.005	19 - mg/L	01/YR - Annual	CP - COMPOS
78247 Chromium, hexavalent tot recoverable	1 - Effluent Gross 0 -	Permit Req.	Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
		Value NODI					
		Sample	< 0.005 <		19 - mg/L	01/YR - Annual	CP - COMPOS
78247 Chromium, hexavalent tot recoverable	G - Raw Sewage Influent 0 -	Permit Req.	Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
		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

Did not sample Influent - Oil & Grease. NODI- E entered.

Attachments

No attachments.

Report Last Saved By

Morris Forman WQTC MSD

er: kessel@louisvillemsd.org

Name: John Kessel

E-Mail: kessel@louisvillemsd.org

Date/Time: 2019-01-25 10:50 (Time Zone: -05:00)

Report Last Signed By

User: kessel@louisvillemsd.org

Name: John Kessel

E-Mail: kessel@louisvillemsd.org

Date/Time: 2019-01-25 10:50 (Time Zone: -05:00)

DMR Copy of Record

D-	rm	:4		

Major:

Permit #: KY0022411

Yes

Permittee: Morris Forman WQTC MSD

Permittee Address: 700 W Liberty St

Louisville, KY 40203

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

Monitoring Period: From 12/01/18 to 12/31/18 DMR Due Date: 01/28/19

Status:

Facility:

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.

Parrott

Telephone:

502-540-6000

No Data Indicator (NODI)

Last Name:

Form NODI:

Parameter	Monitoring Location	Season	# Param. NOD	I		Qu	antity or Load	ling			Quality or Con	centration			# 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						=	185	=	408	19 - mg/L		12/30 - Twelve Per Month	CP - COMPO
00310 BOD, 5-day, 20 deg. C	1 - Effluent Gross	0		Permit Req							Req Mon MO AVO	3	Req Mon MX WK	AV 19 - mg/L	0	WH/DS - When Discharging	CP - COMPO
				Value NOD	I												
				Sample						=	177	=	411	19 - mg/L		12/30 - Twelve Per Month	CP - COMPO
00310 BOD, 5-day, 20 deg. C	F - Primary/Prelimary Process Complete	0		Permit Req							Req Mon MO AVO	3	Req Mon MX WK	AV 19 - mg/L	0	WH/DS - When Discharging	CP - COMPO
				Value NOD	I												
				Sample						=	302	=	636	19 - mg/L		12/30 - Twelve Per Month	CP - COMPOS
00530 Solids, total suspended	1 - Effluent Gross	0		Permit Req							Req Mon MO AVO	3	Req Mon MX WK	AV 19 - mg/L	0	WH/DS - When Discharging	CP - COMPOS
				Value NOD	I												
				Sample						=	164	=	360	19 - mg/L		12/30 - Twelve Per Month	CP - COMPOS
00530 Solids, total suspended	F - Primary/Prelimary Process Complete	0		Permit Req							Req Mon MO AVO	3	Req Mon MX WK	AV 19 - mg/L	0	WH/DS - When Discharging	CP - COMPO
				Value NOD	I												
				Sample						=	8.6	=	18.5	19 - mg/L		12/30 - Twelve Per Month	CP - COMPO
00610 Nitrogen, ammonia total [as N]	1 - Effluent Gross	0		Permit Req							Req Mon MO AVO	3	Req Mon MX WK	AV 19 - mg/L	0	WH/DS - When Discharging	CP - COMPO
				Value NOD	I												
				Sample						=	10.4	=	21.2	19 - mg/L		12/30 - Twelve Per Month	CP - COMPO
00610 Nitrogen, ammonia total [as N]	F - Primary/Prelimary Process Complete	0		Permit Req							Req Mon MO AVO	3	Req Mon MX WK	AV 19 - mg/L	0	WH/DS - When Discharging	CP - COMPOS
				Value NOD	I												
				Sample	= 32	2.1	= 4	6.83	03 - MGD							99/99 - Continuous	CN - CONTIN
50050 Flow, in conduit or thru treatment plant	F - Primary/Prelimary Process Complete	0		Permit Req	. R	eq Mon MO AVO	e R	eq Mon MX WK AV	03 - MGD						0	WH/DS - When Discharging	CN - CONTIN
				Value NOD													

Executive Director

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.

User:

Report Last Saved By

Morris Forman WQTC MSD

kessel@louisvillemsd.org

Name: John Kessel

E-Mail: kessel@louisvillemsd.org

Date/Time: 2019-01-22 12:01 (Time Zone: -05:00)

Report Last Signed By

User: kessel@louisvillemsd.org

Name: John Kessel

E-Mail: kessel@louisvillemsd.org

Date/Time: 2019-01-22 12:03 (Time Zone: -05:00)

Format: Month/Day/Year

Enter Start Date:

12/1/18

MORRIS FORMAN WATER QUALITY TREATMENT CENTER

JEFFERSON COUNTY, KENTUCKY

KPDES PERMIT NO. KY0022411

PLANT CAPACITY -

120 MGD

RECEIVING STREAM-OHIO RIVER

December-18

			г			T			· · · · · · · · · · · · · · · · · · ·																				
				TEMP		ρH	İ	SETS		TSS			5-DAY BOD												,				
	i	TEWATER FLOV	ws	(DEGF)				(M/L)		(mg/L)			(mg/L)				·						ACTIVE		C⊦	LORINATION	i	FINAL	
		Million Gallons)														JRN SLUDGE				RATION BASIN			Sludge	Primary	Chlorine	i	Fecal	EFFLUENT	т
DATE	†	Sec. Effluent By	vpass	raw	final	raw fir			<u> </u>	-			prim.		FLOW	TSS	TVSS	D.O	MLSS	MLVSS	SET	SVI	Wasted	Sludge	Dosage	Resid	Coliform	NH3-N	Pump.
12/1/18		108.50	22.57	60	60	7.0	6.3	w final 7.8	52.0	aw fina 448	1320	204	final 157	final	MG	g/L 20.61	g/L	mg/L	g/L 40.41	g/L o.cl	240		MG	MG	KLBS	mg/L	#/100 mi	mg/L	Hours
12/2/18	126.08	119.09	6.99	60	60	6.8	6.4	2.5	4.0	188	217	190	162	635 118	25.0 25.3	20.6	17.6	2.6 7.3	10.1	8.6	219	22	1.36	0.13	6.52	0.016	15	9.8	24.0
12/3/18	122.95	115.36	7.59	59	59	7.0	6.6	10.0	2.0	748	138	272	173	85	25.3	19.1 18.8	16.4 16.0	5.5	10.3	8.7	163	16	1.34	0.11	5.61	0.016	880	1.6	24.0
12/4/18	79.32	79.32	0.00	60	60	6.7	6.4	9.5	0.31	308	30	363	220	22	25.1	17.8	15.2	4.9	2.7 7.3	2.3	161 266	58 37	1.35	0.11	5.29	0.016	38	3.2	24.0
12/5/18	84.28	84.28	0.00	57	57	7.0	6.3	13.0	0.3	337	37	287	350	30	25.1	18.5	15.6	6.2	4.5	6.3 3.8	279	37 61	1.37	0.10 0.29	2.88	0.016	3850	2.6	24.0
12/6/18	75.77	75.77	0.00	59	59	6.8	6.4	11.0	1.5	360	135	412	363	88	25.1	18.7	15.8	4.8	4.3	3.7	289	68	1.36		2.44	0.016	740	5.2	24.0
12/7/18	73.43	73.43	0.00	61	61	6.8	6.2	18.0	0.3	376	56	455	424	48	25.3	19.3	16.7	5.5	5.4	4.7	378	68	1.30 1.35	0.28 0.25	2.09 2.49	0.016	320 284	6.8	24.0 24.0
12/8/18	75.56	75.56	0.00	60	60	6.8	6.5	14.8	4.1	420	280	272	382	195	25.2	20.5	17.5	5.8	5.7	4.7	379	40	1.35	0.25	3.89	0.016	284	7.1 7.1	24.0
12/9/18	71.71	71,71	0.00	58	58	7.0	6.8	15.5	6.0	400	268	376	251	148	25.3	19.4	16.7	6.5	4.8	4.1	382	78	1.05	0.11	3.07	0.016	79	8.4	12.2
12/10/18	68.32	68.32	0.00	58	58	7.1	6.5	18.5	7.0	472	316	392	285	162	25.7	19.0	16.3	5.1	5.1	4.5	391	73	1.35	0.18	2.99	0.016	65	12.1	0.0
12/11/18	69.62	69.62	0.00	63	63	7.0	6.5	29.5	10.0	496	372	559	372	206	25.7	18.8	15.7	4.6	5.4	4.6	409	72	1.37	0.33	3.37	0.016	79	16.8	0.0
12/12/18	70.16	70.16	0.00	59	59	7.0	6.3	11.0	3.5	400	220	503	343	117	25.6	19.3	16.5	6.5	7.1	6.0	300	41	1.37	0.32	2.98	0.016	174	15.2	0.0
12/13/18	68.34	68.34	0.00	63	63	6.9	6.4	16.0	6.0	428	293	494	461	154	25.5	18.8	16.4	5.4	5.2	4.5	343	64	1.37	0.31	3.27	0.016	237	14.7	0.0
12/14/18	91.69	82.13	9.56	61	61	6.7	6.5	22.0	19.0	725	636	574	411	408	25.4	15.4	13.2	3.8	5.8	5.0	392	65	1.37	0.24	3.69	0.016	220	18.5	0.0
12/15/18	223.31	126.83	96.48	58	58	6.8	6.2	7.5	13.0	240	448	209	155	274	25.6	20.2	17.3	6.1	9.0	7.7	238	26	1.35	0.15	6.30	0.016	1100	7.4	0.0
12/16/18	176.68	119.71	56.97	57	57	7.3	6.4	4.5	2.5	138	128	188	107	111	25.7	20.3	17.8	5.8	7.5	6.6	187	25	1.34	0.25	4.71	0.016	360	5.3	8.7
12/17/18	116.86	109.67	7.19	57	57	7.2	6.7	11.0	0.2	324	37	278	164	28	25.6	18.8	16.2	5.3	4.3	3.7	179	41	1.35	0.37	1.84	0.016	250	6.6	17.7
12/18/18	106.20	106.20	0.00	61	61	7.1	6.6	10.8	0.2	324	42	303	224	18	25.5	18.9	16.3	5.4	3.0	2.7	193	53	1.23	0.35	2.44	0.016	172	8.6	24.0
12/19/18	95.10	95.10	0.00	62	62	6.9	6.3	12.5	0.2	384	40	383	231	36	25.4	18.5	16.2	5.8	3.2	2.8	203	63	1.17	0.37	2.89	0.016	180	7.8	24.0
12/20/18	130.23	98.97	31.26	61	61	7.0	6.4	14.0	4.5	396	224	283	254	194	25.3	17.9	15.5	6.1	3.3	3.0	217	66	1.13	0.41	4.65	0.016	27	10.3	24.0
12/21/18	163.53	121.39	42.14	5 9	59	7.0	6.4	7.5	1.5	208	132	261	145	108	25.4	18.4	15.8	5.8	3.1	2.7	187	59	1.19	0.30	5.63	0.016	555	6.3	24.0
12/22/18	97.20	97.20	0.00	59	59	7.2	6.5	11.0	0.3	297	42	264	108	32	25.5	17.5	15.2	5.1	2.9	2.5	193	67	1.23	0.17	2.24	0.016	55	4.0	24.0
12/23/18	90.90	90.90	0.00	58	58	7.0	6.5	9.5	0.1	176	43	125	144	31	25.5	16.3	14.2	6.5	8.0	7.0	180	22	1.17	0.18	1.88	0.016	89	7.5	24.0
12/24/18	86.01	86.01	0.00	57	57	7.4	6.7	11.0	0.4	343	67	296	176	39	25.5	15.1	13.0	9.2	5.5	4.7	188	34	1.11	0.14	1.71	0.016	10	12.6	24.0
12/25/18	80,41	80.41	0.00	58	58	7.3	6.5	10.5	0.4	148	63	165	147	44	25.3	14.0	12.1	8.8	7.1	6.1	184	26	1.18	0.27	1.63	0.016	98	12.7	24.0
12/26/18	83.55	83.55	0.00	56	56	7.4	6.6	15.0	0.2	328	46	277	144	24	25.6	14.2	12.2	5.8	2.8	2.5	171	61	1.23	0.31	1.64	0.016	30	15.7	24.0
12/27/18	111.30	92.68	18.62	59	59	7.4	6.7	16.0	2.8	320	110	193	159	88	25.5	13.9	12.0	8.6	2.4	2.1	146	60	1.21	0.34	2.46	0.016	34	16.4	24.0
12/28/18	123.51	103.96	19.55	60	60	7.4	6.9	12.9	0.1	258	31	175	91	30	25.7	13.6	11.7	8.5	2.4	2.0	139	58	1.17	0.27	2.75	0.016	325	9.2	24.0
12/29/18	83.62	83.62	0.00	60	60	7.4	6.7	7.8	0.1	198	17	157	74	13	25.1	13.2	11.3	8.5	2.4	2.0	141	59	1.04	0.15	1.53	0.016	27	10.2	24.0
12/30/18	74.36	74.36	0.00	59	59	7.4	7	9.8	0.1	163	24	143	80	24	24.9	14.0	11.9	8.8	1.8	1.4	140	105	0.86	0.16	1.33	0.016	430	13.7	24.0
12/31/18	172.05	105.85	66.20	59	59	7.0	6.5	7.5	6.0	196	204	173	149	142	25.3	12.4	10.5	5.4	3.8	3.2	103	14	0.77	0.18	6.30	0.016	317	8.8	24.0
Sum	3223.1	2838.0	385.1			1									787.0					T			38.410	7.534					518.3
Average	104.0	91.5	32.1	59.4	59.4	7.1	6.5	12.2	4.8	340.2	194.1	297.6	222.8	117.8	25.4	17.5	15.0	6.1	5.0	4.3	236.8	51.7	1.2	0.2	3.3	0.0	134.1	9.4	
																													

SEWER CONNECTIONS

147883 TIMES 4 =

471532 SEWER POPULATION

509187 1080608 965186

Authorized Agent

MORRIS FORMAN WASTEWATER TREATMENT PLANT

Month of Dec-18 Dec-18

I LAIDLI		
	 T1	

AACI OBC I IOW				
	Primary		Secondary	
SETTLING TANKS]	Battery A	Battery B	Battery C
Average Flow (MGD)	102.98	24.96	27.13	7.64
Tanks in Service	4.00	7.0	7.0	3.0
Surface Area (Ft.2)	77000.00	60550.00	60550.00	25950.00
Volume (MG)	8.33	6.20	6.20	2.66
Weir Length (Ft.)	2860.00	2509.50	2509.50	1075.50
Avg. Weir Overflow (GPD/Ft)	36005.43	9945.93	10809.34	71.06.44
Avg. Settling Rate (GPD/Ft2)	1337.34	593.88	613.15	464.24
Avg. Detention Time	1.94	5.96	5.49	8.35

AERATION	TANKS

Volume (Gallons) Avg. Flow (MGD)

]	Battery A	Battery B	Battery C
	4200000	4200000	2100000
	35.96	37.13	12.05
	4.04	3.72	6.59

CHLORINE CONTACT CHAMBERS

Avg. Detention Time (Hours)

Contact Chambers in Use 2.0 Volume (Gallons) 2340000 Avg. Detention Time (Hours) 1.13

Remarks: BY-PASS REPORTS (See Attached)



וט	5	к	ᆫ	v	

KPDES #	Facility ID	Water Quality Treatement Center	Receiving Stream of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	08431	4339 PRUITT CT		SOUTH FORK BEARGRASS CREEK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	3018174		12/01/2018	BROWN	MITCHELL	DOCUMENTED	02/25/2011	LACK OF	UNAUTHORIZED	12/01/18 03:41	
DISCHARGE								SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	1,775 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	CLEAN UP NOT REQUIRED.
Control Zone:	CONTROL ZONE WAS NOT REQUIRED.
Impact:	VERYLIGHT DEBRIS ON PAVEMENT.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

12/2/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG,
		SAYRE.DENNIS@EPAMAIL.EPA.GOV



KPDES #	Facility ID	Water Quality Treatement Center	Receiving Stream of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	08935-SM	1001 BRECKENRIDGE LN		MIDDLE FORK BEARGRASS CREEK	STREAM

Activity Code / Description	WO #	Ref No	<u>Initiated</u>	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	3018161		12/01/2018	BROWN	MITCHELL	DOCUMENTED	11/29/2001	LACK OF	UNAUTHORIZED	12/02/18 05:23	
DISCHARGE								SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	2,197,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED, MANHOLE IS DISCHARGING DIRECTLY INTO CREEK.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHE THE PIPE DISCHARGES DIRECTLY TO STREAM.
Impact:	NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/2/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/2/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

1/15/2019 Page 2 of 26 4:03:44 PM



DISREV

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

KY0022411 (Cont'd) MSD0278 MORRIS FORMAN OHIO RIVER WEST

WO# Initiated **Initiated By Assigned To Disch Status Event Date Problem** Activity Code / Description Ref No Result Completed Condition **BROWN** 3023880 12/15/2018 MITCHELL DOCUMENTED LACK OF : DISREVRAIN EVENT 11/29/2001 UNAUTHORIZED 12/15/18 05:02 10:23:00AM SYSTEM DISCHARGE DISCHARGE-WATER PM CAPACITY S

Discharge Reporting:

Discharge Amount:	143,432 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	NO CLEAN UP REQUIED, DISCHARGE PIPE IS SUBMERGED.
Control Zone:	NO CONROL ZONE ESTABLISHED, DISCHARGE PIPE IS SUBMERGED.
Impact:	NOTIFICATION RECEVIED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	NOTIFICATION MADE THROUGH PERMANENT DISCHARGE SIGNS.

2/16/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/16/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



DISREV

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

KY0022411 (Cont'd) MSD0278 MORRIS FORMAN OHIO RIVER WEST

WO# Initiated **Initiated By Assigned To Disch Status Event Date Problem** Activity Code / Description Ref No Result Completed Condition **BROWN** 3032865 12/31/2018 MITCHELL DOCUMENTED LACK OF : DISREVRAIN EVENT 11/29/2001 UNAUTHORIZED 01/01/19 02:33 10:52:00AM SYSTEM DISCHARGE DISCHARGE-WATER PM CAPACITY S

Discharge Reporting:

Discharge Amount:	341,000 GAL		
Cause:	LACK OF SYSTEM CAPACITY.		
Clean Up:	NOT REQUIRED UNDERGROUND PIPE DISCHARES TO THE CREEK.		
Control Zone:	NOT REQUIRED, UNDERGROUND DISCHARGE PIPE.		
Impact:	RECIEVED VIA REMOTE NOTIFICATION.		
Repair:	LOCATION INCLUDED IN THE IOAP.		
Public Notification: PERM NOTIFICATOIN SIGNS POSTED AROUND DISCHARGE SITE.			

1/1/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
1/1/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Region



Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW,

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

KY0022411 MSD0278 MORRIS FORMAN OHIO RIVER WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	16649	1726 FRASER DR		SOUTH FORK BEARGRASS CREEK	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	3018164		12/01/2018	BROWN	MITCHELL	DOCUMENTED	01/24/2002	LACK OF	UNAUTHORIZED	12/01/18 09:30	
DISCHARGE								SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	456,454 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	CLEANING NOT REQUIED.
Control Zone:	NO CONTROL ZONE ESTABLISHED. PIPE IS SUMERGED.AND DISCHARGES DIRECTLY INTO THE CREEK.
Impact:	NOTIFICATION RECIEVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION IS INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVER FLOW SIGNS AND DOOR HANGERS TO AVOID DISCHARGED CONTENT.

Notifications:

12/2/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/2/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

1/15/2019 Page 5 of 26 4:03:44 PM



KPDES#	Facility ID	Water Quality Treatement Center	Receiving Stream of Treatment Center	Region
	14000070	MODDIO FORMANI	OUIO BIVER	MEGT

KY0022411 (Cont'd) MSD0278 MORRIS FORMAN OHIO RIVER WEST

Activity Code / Description	<u>WO #</u>	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	Result	Completed	Condition
: DISREVRAIN EVENT	3023884		12/15/2018	MITCHELL	BROWN	DOCUMENTED	01/24/2002	LACK OF	UNAUTHORIZED	12/15/18 03:30	
DISCHARGE			7:45:00AM					SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	86,813 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	NO CLEAN UP REQUIED, DISCHARGE PIPE IS SUBMERGED.
Control Zone:	NO CONROL ZONE ESTABLISHED, DISCHARGE PIPE IS SUBMERGED.
Impact:	NOTIFICATION RECEVIED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	NOTIFICATION MADE THROUGH PERMANENT DISCHARGE SIGNS AND DOOR CARDS.

1:	2/16/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
1:	2/16/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



DISREV

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

KY0022411 (Cont'd) MSD0278 MORRIS FORMAN OHIO RIVER WEST

WO# Initiated **Initiated By Assigned To Disch Status Event Date Problem** Activity Code / Description Ref No Completed Condition Result **BROWN** 3032867 12/31/2018 MITCHELL DOCUMENTED 01/24/2002 LACK OF : DISREVRAIN EVENT UNAUTHORIZED 12/31/18 10:45 12:15:00PM SYSTEM DISCHARGE DISCHARGE-WATER PM CAPACITY S

Discharge Reporting:

Discharge Amount:	92,153 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	UNDERGROUND PIPE DISCHARGES DIRECTLY INTO THE CREEK.
Control Zone:	UNDERGROUND DISCHARGE PIPE.
Impact:	VISUAL OBSERVATION AND REMOTE NOTIFICATION.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	NOTIFICATION VIA TEMP DISCHARGE SIGNS AND DOOR CARDS.

1/1/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
1/1/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



_	.,	•	٠.	- '	•	
			_	_	_	ı

KPDES #	Facility ID	Water Quality Treatement Center	Receiving Stream of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	28336	9707 WILLOWWOOD WAY		CHENOWETH RUN	DITCH

Activity Code / Description	WO #	Ref No	<u>Initiated</u>	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	3018167		12/01/2018	BROWN	MITCHELL	DOCUMENTED	08/30/2005	LACK OF	UNAUTHORIZED	12/02/18 09:20	
DISCHARGE								SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	32,375 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3019050
Control Zone:	IMACTED AREA SECURED WITH TEMPORARY DISCHARGE SIGNS AND CAUTION TAPE.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMPORARY SIGNS AND DOOR CARDS TO AVOID DISCHARGED CONTENT.

Notifications:

12/2/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/2/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

1/15/2019 Page 8 of 26 4:03:44 PM



KPDES #	Facility ID	Water Quality Treatement Center	Receiving Stream of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	28453	3402 CHARLANE PKY		CHENOWETH RUN	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	3018165		12/01/2018	BROWN	MITCHELL	DOCUMENTED	10/28/2015	LACK OF	UNAUTHORIZED	12/02/18 08:50	
DISCHARGE								SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	32,250 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3019059
Control Zone:	IMACTED AREA SECURED WITH TEMPORARY DISCHARGE SIGNS AND CAUTION TAPE.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMPORARY SIGNS AND DOOR CARDS TO AVOID DISCHARGED CONTENT.

Notifications:

12/2/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/2/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

1/15/2019 Page 9 of 26 4:03:44 PM



_	•	•	•	_	-		
	14	,	_	_		_	

Facility ID KPDES# **Water Quality Treatement Center Receiving Stream of Treatment Center** Region MSD0278 MORRIS FORMAN OHIO RIVER WEST KY0022411 (Cont'd)

WO# Initiated **Initiated By Assigned To Disch Status Event Date Problem** Activity Code / Description Ref No Result Completed Condition **BROWN** 3023888 12/15/2018 MITCHELL DOCUMENTED 10/28/2015 LACK OF : DISREVRAIN EVENT UNAUTHORIZED 12/15/18 07:55 1:45:00PM DISCHARGE

SYSTEM DISCHARGE-WATER PM S

CAPACITY

Discharge Reporting:

Discharge Amount:	9,000 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	WO#3024050
Control Zone:	BARRICADES AND TEMPORARY DISCHARGE SIGNS PLACE AROUND THE DISCHARGE SITE.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	NOTIFICATION MADE THROUGH PERMANENT AND TEMP DISCHARGE SIGNS AND DOOR CARDS.

12/16/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG,
		SAYRE.DENNIS@EPAMAIL.EPA.GOV



....

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

KY0022411 (Cont'd) MSD0278 MORRIS FORMAN OHIO RIVER WEST

WO# Initiated **Initiated By Assigned To Disch Status Event Date Problem** Activity Code / Description Ref No Completed Condition Result **BROWN** 3032869 12/31/2018 MITCHELL DOCUMENTED 10/28/2015 LACK OF : DISREVRAIN EVENT UNAUTHORIZED 01/01/19 06:50 2:31:00PM SYSTEM DISCHARGE DISCHARGE-WATER AM CAPACITY S

Discharge Reporting:

Discharge Amount:	24,475 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	WO#3032947
Control Zone:	BARRICADES, TEMP SIGNS, AND CAUTION TAPE PLACED AROUND IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED BY TEMP SIGNS PLACED AROUND DISCHARGE SITE.

1/1/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
1/1/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water Quality Treatement Center	Receiving Stream of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	45796	1011 ALTA CIR		MIDDLE FORK BEARGRASS CREEK	DITCH

Activity Code / Description	WO #	Ref No	<u>Initiated</u>	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	3018168		12/01/2018	BROWN	MITCHELL	DOCUMENTED	05/10/2014	LACK OF	UNAUTHORIZED	12/02/18 08:40	
DISCHARGE								SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	378,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3018235
Control Zone:	BARRICADES AND TEMPORARY DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMPORARYAND PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/2/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/2/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

1/15/2019 Page 12 of 26 4:03:44 PM



DISREV

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

KY0022411 (Cont'd) MSD0278 MORRIS FORMAN OHIO RIVER WEST

WO# Initiated **Initiated By Assigned To Disch Status Event Date Problem** Activity Code / Description Ref No Completed Condition Result **BROWN** 3023885 12/15/2018 MITCHELL DOCUMENTED 05/10/2014 LACK OF : DISREVRAIN EVENT UNAUTHORIZED 12/16/18 08:54 11:30:00AM SYSTEM DISCHARGE DISCHARGE-WATER AM CAPACITY S

Discharge Reporting:

Discharge Amount:	322,500 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	WO#3024039
Control Zone:	BARRICADES AND TEMPORARY DISCHARGE SIGNS PLACE AROUND THE DISCHARGE SITE.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	NOTIFICATION MADE THROUGH PERMANENT AND TEMP DISCHARGE SIGNS AND DOOR CARDS.

2/16/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/16/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



DISREV

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

KY0022411 (Cont'd) MSD0278 MORRIS FORMAN OHIO RIVER WEST

WO# Initiated **Initiated By Assigned To Disch Status Event Date Problem** Activity Code / Description Ref No Result Completed Condition **BROWN** 3032870 12/31/2018 MITCHELL DOCUMENTED 05/10/2014 LACK OF : DISREVRAIN EVENT UNAUTHORIZED 01/01/19 10:26 2:09:00PM SYSTEM DISCHARGE DISCHARGE-WATER AM CAPACITY S

Discharge Reporting:

Discharge Amount:	146.850 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	WO#302949
Control Zone:	BARRICADES, TEMP SIGNS, AND CAUTION TAPE PLACED AROUND IMPACTED AREA.
Impact:	MANHOLE DISCHARGING IN TO THE CREEK.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED BY TEMP SIGNS PLACED AROUND DISCHARGE SITE.

1/1/19 1:00) am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
1/1/19 1:00	o am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #Facility IDWater Quality Treatement CenterReceiving Stream of Treatment CenterRegionKY0022411MSD0278MORRIS FORMANOHIO RIVERWEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	47583	202 OXMOOR LN		MIDDLE FORK BEARGRASS CREEK	STREAM

Activity Code / Description	WO #	Ref No	<u>Initiated</u>	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	3018169		12/01/2018	BROWN	MITCHELL	DOCUMENTED	02/06/2008	LACK OF	UNAUTHORIZED	12/02/18 09:10	
DISCHARGE								SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	378,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3019091
Control Zone:	BARRICADES AND TEMPORARY DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMPORARYAND PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/2/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/2/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

1/15/2019 Page 15 of 26 4:03:44 PM



DISREV

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

KY0022411 (Cont'd) MSD0278 MORRIS FORMAN OHIO RIVER WEST

WO# Initiated **Initiated By Assigned To Disch Status Event Date Problem** Activity Code / Description Ref No Completed Condition Result **BROWN** 3023887 12/15/2018 MITCHELL DOCUMENTED 02/06/2008 LACK OF : DISREVRAIN EVENT UNAUTHORIZED 12/16/18 09:30 12:27:00PM SYSTEM DISCHARGE DISCHARGE-WATER AM CAPACITY S

Discharge Reporting:

Discharge Amount:	252,000 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	WO#3024040
Control Zone:	BARRICADES AND TEMPORARY DISCHARGE SIGNS PLACE AROUND THE DISCHARGE SITE.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	NOTIFICATION MADE THROUGH PERMANENT AND TEMP DISCHARGE SIGNS AND DOOR CARDS.

2/16/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/16/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



υ	15	K	E	v	

KPDES #Facility IDWater Quality Treatement CenterReceiving Stream of Treatment CenterRegionKY0022411MSD0278MORRIS FORMANOHIO RIVERWEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	51594	1418 TREVILIAN WAY		SOUTH FORK BEARGRASS CREEK	DITCH

Activity Code / Description	WO #	Ref No	<u>Initiated</u>	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	3018171		12/01/2018	BROWN	MITCHELL	DOCUMENTED	09/12/2006	LACK OF	UNAUTHORIZED	12/01/18 01:20	
DISCHARGE								SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	500 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO3024131
Control Zone:	BARRICADES AND TEMPORARY DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMPORARYAND PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

12/2/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG,
		SAYRE.DENNIS@EPAMAIL.EPA.GOV



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

KY0022411 (Cont'd) MSD0278 MORRIS FORMAN OHIO RIVER WEST

Activity Code / Description	<u>WO #</u>	Ref No	<u>Initiated</u>	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	Result	Completed	Condition
: DISREVRAIN EVENT	3032871		12/31/2018	MITCHELL	BROWN	DOCUMENTED	09/12/2006	LACK OF	UNAUTHORIZED	01/01/19 05:10	
DISCHARGE			4:04:00PM					SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	117,900 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	WO#302948
Control Zone:	BARRICADES, TEMP SIGNS, AND CAUTION TAPE PLACED AROUND IMPACTED AREA.
Impact:	MUDDY WATER DISCHARGING FROM MANHOLE.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED BY TEMP SIGNS PLACED AROUND DISCHARGE SITE.

1/1/19 1:00) am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
1/1/19 1:00	o am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



D	ISREV	•

KPDES #	Facility ID	Water Quality Treatement Center	Receiving Stream of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	CSO055	100 N 6TH ST		OHIO RIVER	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	Result	Completed	Condition
: DISDW: DRY WEATHER	3019831		12/05/2018	DODDS	DODDS	REPAIRED -	12/05/2018	OBSTRUCTION-N	UNAUTHORIZED	12/09/18 07:45	
DISCHARGE						ISSUE		OT GREASE /	DISCHARGE-WATER	AM	
						RESOLVED		ROOTS	S		

Discharge Reporting:

Discharge Amount:	64,000 GAL
Cause:	OBSTRUCTION IN LOW FLOW LINE, PIPED THROUGH ORI PROJECT. UNABLE TO FLUSH AS A SAFETY ISSUE FOR WORKERS IN ORI. PIPING TO BE DISMANTLED WITHIN 24 HRS.
Clean Up:	NONE POSSIBLE, PIPE SUBMERGED.
Control Zone:	PERMANENT OVERFLOW ADVISORY SIGNS POSTED.
Impact:	NONE, PIPE SUBMERGED.
Repair:	REMOVE FLOW THROUGH PIPING IN ORI 12/6/18.
Public Notification:	PERMANENT OVERFLOW ADVISORY SIGNS POSTED.

12/5/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/5/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #Facility IDWater Quality Treatement CenterReceiving Stream of Treatment CenterRegionKY0022411MSD0278MORRIS FORMANOHIO RIVERWEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	CSO108	2324 NEWBURG RD		SOUTH FORK BEARGRASS CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	Result	Completed	Condition
: DISDW: DRY WEATHER	3019590		12/04/2018	BROWN	MITCHELL	REPAIRED -	12/04/2018	MECHANICAL	UNAUTHORIZED	12/04/18 02:13	
DISCHARGE						ISSUE		FAILURE	DISCHARGE-WATER	PM	
						RESOLVED			S		

Discharge Reporting:

Discharge Amount:	42,667 GAL
Cause:	PLC MECHANICAL MALFUNCTION. ERRONEOUS SIGNAL SENT FROM THE PLC ACTIVATED THE PUMPS.
Clean Up:	NO CLEANUP REQUIRED DISCHARGE, PIPE IS SUBMERGED AND DISCHARGES DIRECTLY IN TO THE CREEK.
Control Zone:	NO CONTROL ZONE SET, UNDER GROUND PIPE DISCHARGES DIRECTLY TO CREEK.
Impact:	SEWAGE DISCHARGING IN TO THE CREEK FROM THE FLAP GATE CONNECTED TO THE UNDERGROUND PIPE.
Repair:	REPAIRS ARE BEING MADE TO THE REAL TIME CONTROL PLC SYSEM.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVERFLOW ADVISORY SIGNS POSTED ALONG THE CREEK, TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.

12/5/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/5/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



u	1	71	1	_	v	

KPDES #	Facility ID	Water Quality Treatement Center	Receiving Stream of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

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

Activity Code / Description	WO #	Ref No	<u>Initiated</u>	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	3018160		12/01/2018	BROWN	MITCHELL	DOCUMENTED	08/01/1969	LACK OF	UNAUTHORIZED	12/02/18 05:30	
DISCHARGE								SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	3,915,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED, MANHOLE IS DISCHARGING DIRECTLY INTO CREEK.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHE THE PIPE DISCHARGES DIRECTLY TO STREAM.
Impact:	NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/2/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/2/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

1/15/2019 Page 21 of 26 4:03:44 PM



DISREV

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

KY0022411 (Cont'd) MSD0278 MORRIS FORMAN OHIO RIVER WEST

WO# Initiated **Initiated By Assigned To Disch Status Event Date Problem** Activity Code / Description Ref No Completed Condition Result **BROWN** 3023883 12/15/2018 MITCHELL DOCUMENTED 08/01/1969 LACK OF : DISREVRAIN EVENT UNAUTHORIZED 12/15/18 09:45 9:30:00AM SYSTEM DISCHARGE DISCHARGE-WATER PM CAPACITY S

Discharge Reporting:

Discharge Amount:	1,613,000 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	NO CLEAN UP REQUIED, DISCHARGE PIPE IS SUBMERGED.
Control Zone:	NO CONROL ZONE ESTABLISHED, DISCHARGE PIPE IS SUBMERGED.
Impact:	NOTIFICATION RECEVIED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	NOTIFICATION MADE THROUGH PERMANENT DISCHARGE SIGNS.

2/16/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/16/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



DISREV

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

KY0022411 (Cont'd) MSD0278 MORRIS FORMAN OHIO RIVER WEST

WO# Initiated **Initiated By Assigned To Disch Status Event Date Problem** Activity Code / Description Ref No Completed Condition Result **BROWN** 3032866 12/31/2018 MITCHELL DOCUMENTED 08/01/1969 LACK OF : DISREVRAIN EVENT UNAUTHORIZED 01/01/19 09:15 11:45:00AM SYSTEM DISCHARGE DISCHARGE-WATER AM CAPACITY S

Discharge Reporting:

Discharge Amount:	2,826,000 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	NOT REQUIRED. MANHOLE DISCHARGES DIRECTLY INTO THE CREEK.
Control Zone:	NOT REQUIRED. REMOTE LOCATION. NO PUBLIC ACCESS.
Impact:	RECEIVED VIA REMOTE NOTIFICATION.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PERM DISCHARGE SIGNS POSTED ALONG THE CREEK.

1/1/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
1/1/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



Water Quality Treatement Center

DIGITLY	
KPDES #	Facility ID

Receiving Stream of Treatment Center

Region

KY0022411

MSD0278

MORRIS FORMAN

OHIO RIVER

WEST

Facility Type

Facility ID

Facility Address

If Pump Station, Name of Pump Station:

Receiving Stream

Discharge to

SLS Sewer Lift Station

MSD0186-PS

2120 INDIAN HILLS TRL

MUDDY FORK

MUDDY FORK BEARGRASS CREEK Result

S

DITCH

Activity Code / Description : DISREV: RAIN EVENT

WO # Ref No Initiated **Initiated By** 12/01/2018

Assigned To

Disch Status REPAIRED -

Event Date 12/01/2018

Problem ELECTRICAL

UNAUTHORIZED

Completed

12/01/18 04:30

PM

DISCHARGE

ISSUE

Condition

3018134

CATALANO JR

PEDRO JR

RESOLVED

PROBLEMS AT MSD

DISCHARGE-WATER

Discharge Reporting:

2.00gopog.	
Discharge Amount:	11,500 GAL
Cause:	ELECTRICAL PROBLEM WITH MSD EQUIPMENT/ASSET - ONLY CALLED FOR 2 PUMPS TO RUN AND NO HIGH WET WELL ALARM.
Clean Up:	CLEANED AND SANITIZED THE IMPACTED AREA.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND AROUND MANHOLE.
Repair:	VACTOR WET WELL REMOVING FOG LAYER.
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

Notifications:

12/2/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG,
		SAYRE.DENNIS@EPAMAIL.EPA.GOV

1/15/2019 Page 24 of 26 4:03:44 PM



KPDES #	Facility ID	Water Quality Treatement Center	Receiving Stream of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
STLS Storm Lift Station	MSD0302-FP	147 BUCHANAN ST		OHIO RIVER	STREAM

Activity Code / Description	WO #	Ref No	<u>Initiated</u>	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	3018069		12/01/2018	CARSONE	CARSONE	DOCUMENTED	09/08/2018	PUMPED	UNAUTHORIZED	12/07/18 06:00	
DISCHARGE								OVERFLOW	DISCHARGE-WATER	AM	
									S		

Discharge Reporting:

Discharge Amount:	267,456,608 GAL
Cause:	HEAVY RAINS OVERWHELMED CSOS, CANNOT MAXIMIZE FLOW DOWNSTREAM DUE TO ORI REPAIRS, PUMPING TO PREVENT SURFACE FLOODING.
Clean Up:	NO CLEAN UP PERFORMED – PIPES DISCHARGE UNDERWATER, DIRECTLY INTO RIVER.
Control Zone:	NO CONTROL ZONE SET UP – PIPES DISCHARGE UNDERWATER, DIRECTLY INTO RIVER.
Impact:	NONE OBSERVED - OUTLETS SUBMERGED.
Repair:	NO CONTROL ZONE SET UP – PIPES DISCHARGE UNDERWATER, DIRECTLY INTO RIVER.
Public Notification:	GIVEN BY VOLUNTARY EMAIL NOTIFICATION SYSTEM AND PERMANENT SIGNS.

12/1/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



DISREV

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

KY0022411 (Cont'd) MSD0278 MORRIS FORMAN OHIO RIVER WEST

WO# Initiated **Initiated By Assigned To Disch Status Event Date Problem Activity Code / Description** Ref No Completed Condition Result PUMPED 3022388 CARSONE CARSONE DOCUMENTED 09/08/2018 : DISDWDRY WEATHER 12/11/2018 UNAUTHORIZED 12/11/18 02:50 12:00:00AM **OVERFLOW** DISCHARGE DISCHARGE-WATER AM S

Discharge Reporting:

Discharge Amount:	3,675,000 GAL
Cause:	PLANNED OUTAGE TO REMOVE TEMPORARY BULKHEAD INSTALLED IN ORI FOR REPAIRS.
Clean Up:	DISCHARGE UNDERWATER, NO CLEANUP POSSIBLE.
Control Zone:	PERMANENT SIGNS POSTED.
Impact:	NONE OBSERVED.
Repair:	PLANNED OUTAGE TO TERMINATE BY 0800.
Public Notification:	WEBSITE UPDATED.

Notifications:

12/11/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/11/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 13

Total Work Orders Printed: 26

1/15/2019 Page 26 of 26 4:03:44 PM