

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

April 10, 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 March 1st to March 31st, 2019 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 and additional Liquid Oxygen purchases in an effort to meet permit requirements.

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

Sincerely,

Alex E. Novak, P.E.

Treatment Facilities Director

DMR Copy of Record

Permit																	
Permit	#:	KY0022411		Р	ermittee:		Morris Forman WQTC I	MSD			Facility:		MORRIS F	ORMAN V	NQTC	CMSD	
Major:		Yes		Р	ermittee Addres	ss:	700 W Liberty St Louisville, KY 40203				Facility Location:		4522 ALGC LOUISVILL			,	
Permitt	ted Feature:	001 External Outfall		D	ischarge:		001-1 MUNICIPAL DISCHAR	GE									
Report	Dates & Status																
Monito	ring Period:	From 03/01/19 to 03/31/19		D	MR Due Date:		04/28/19				Status:		NetDMR Va	alidated			
Consid	lerations for Form Completion	1															
	LUENTE - SECONDARY EFFLU not needed.	UENT1 - FINAL EFFLUENT - Parame	eter 7405	5 - Use Sea	son 1 for summe	er months (May, June,	July, August, September,	and Octobe	er) and S	Season 2 fo	r winter months (Noven	nber, Dec	ember, January, F	ebruary M	1arch,	, and April); enter NO	DI=9 for the
Princip	oal Executive Officer																
First Na	ame:	James A		Т	itle:		Executive Director				Telephone:		502-540-60	00			
Last Na	ame:	Parrott															
No Dat	a Indicator (NODI)																
Form N	IODI:																
	Parameter	Monitoring Location	Season	# Param. NOD			tity or Loading				Quality or Cond	centration				of Ex. Frequency of Anal	ysis Sample Ty
Code	Name					ifier 1 Value 1 G	Qualifier 2 Value 2	Units Qu	ualifier 1	Value 1 Q 3.2	ualifier 2 Value 2	Qualifier 3	3 Value 3	Units		01/01 Doily	GR - GRAB
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0		Sample Permit Req.			>=		2 INST MIN				19 - mg/L 19 - mg/L	0	01/01 - Daily 01/01 - Daily	GR - GRAB
	,, , ,				Value NODI											,	
V	DOD 5 1 00 1 0	- 0 1 /5:1 : 15			Sample =	46755 =	00000	26 - lb/d		=	57	=	93	19 - mg/L		01/01 - Daily	CP - COMP
X 00310	BOD, 5-day, 20 deg. C	E - Secondary/Biological Process Complete	9 0		Permit Req. Value NODI	Req Mon MO AVG	Req Mon MX WK AV	/ 26 - Ib/d		<=	= 30 MO AVG	<=	45 MX WK AV	19 - mg/L	2	01/01 - Daily	CP - COMP
					Sample =	249169 =	251962	26 - lb/d		=	279	=	326	19 - mg/L		01/01 - Daily	CP - COMP
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0		Permit Req.	Req Mon MO AVG	Req Mon MX WK AV	/ 26 - lb/d			Req Mon MO AVG	3	Req Mon MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMP
					Value NODI Sample			_	6	6.3		_	6.8	12 - SU		01/01 - Daily	GR - GRAB
00400	рН	1 - Effluent Gross	0		Permit Req.			>=		6 MINIMUM		<=	9 MAXIMUM	12 - SU	0	01/01 - Daily	GR - GRAB
					Value NODI												
Y 00500	Solids, total suspended	E - Secondary/Biological Process Complete	. 0		Sample = Permit Req.	81764 = Req Mon MO AVG	123347 Req Mon MX WK AV	26 - lb/d		= <:	98 = 30 MO AVG	= <=	170 45 MX WK AV	19 - mg/L 19 - mg/L	2	01/01 - Daily 01/01 - Daily	CP - COMP
1 00530	condo, total suspended	2 decondary/Biological 1 rocess complete	, 0		Value NODI	req won wo Ave	red Mon My Wit / W	20 15/4		ζ.	- 50 MO 744 G	\ <u>-</u>	40 WIX VVIC / V	15 Hig/L		01/01 Daily	OI COIVII
					Sample =	278495 =		26 - lb/d		=		=	371	19 - mg/L		01/01 - Daily	CP - COMP
00530	Solids, total suspended	G - Raw Sewage Influent	0		Permit Req. Value NODI	Req Mon MO AVG	Req Mon MX WK AV	/ 26 - lb/d			Req Mon MO AVG	6	Req Mon MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMP
					Sample =	8073 =	10024	26 - lb/d		=	10	=	13.9	19 - mg/L		01/01 - Daily	CP - COMP
00610	Nitrogen, ammonia total [as N]	E - Secondary/Biological Process Complete	0		Permit Req.	Req Mon MO AVG	Req Mon MX WK AV	/ 26 - lb/d		<=	= 20 MO AVG	<=	30 MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMP
					Value NODI Sample =	9170 =	9663	26 - lb/d		_	10.4	_	13.2	19 - mg/L		01/01 - Daily	CP - COMP
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0		Permit Req.	Req Mon MO AVG	Req Mon MX WK AV				Req Mon MO AVG		Req Mon MX WK AV		0	01/01 - Daily	CP - COMP
					Value NODI												
F00F0	Flour in conduit or they treatment plant	E - Secondary/Biological Process Complete			Sample =	101.15 = Req Mon MO AVG	110.67 Reg Mon DAILY MX	03 - MGD								99/99 - Continuous 99/99 - Continuous	CN - CONTI
50050	riow, in conduit of thru fleatment plant	E - Secondary/Biological Process Complete	; 0		Permit Req. Value NODI	Req Mon MO AVG	Red MOU DAILT MY	03 - MGD								99/99 - Continuous	CIN - COINTI
					Sample							<	0.016	19 - mg/L		01/01 - Daily	GR - GRAB
50060	Chlorine, total residual	1 - Effluent Gross	0		Permit Req.							<=	.019 DAILY MX	19 - mg/L	0	01/01 - Daily	GR - GRAB
					Value NODI Sample					=	39	=	133	13 - #/100n	mL	01/01 - Daily	GR - GRAB
74055	Coliform, fecal general	1 - Effluent Gross	2		Permit Req.					<=		<=	2000 7 DA GEO	13 - #/100n		01/01 - Daily	GR - GRAB
					Value NODI					00				20. 2/		24/22 14 14	04 04107
X 91010	BOD, 5-day, percent removal	K - Percent Removal	0		Sample Permit Req.			>=		80 85 MO MIN				23 - % 23 - %	1	01/30 - Monthly 01/30 - Monthly	CA - CALCT
X 81010	, , , , , , , , , , , , , , , , , , , ,				Value NODI											,	
V					Sample			=		68				23 - %	Щ. /	01/30 - Monthly	CA - CALCT
X 81011	Solids, suspended percent removal	K - Percent Removal	0		Permit Req. Value NODI			>=	= {	85 MO MIN				23 - %	_1	01/30 - Monthly	CA - CALCT
Submis	ssion Note				74.43 11051												
		values for the Sample nor Effluent T	rading th	nen none of	the following fiel	ds will be submitted for	r that row: Units, Number	of Excursion	ns. Fred	quency of Ar	nalysis, and Sample Ty	pe.					
	neck Errors		3, 4				, , , , , , , , , , , , , , , , , , , ,		,	, , ,	, ,						
	Parameter		Monitor	ing Location	1		Field		Туре			De	scription			A	cknowledge
Code	Namo																0

00530	Solids, total suspended	E - Secondary/Biological Process Complete	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the pe	ermit 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 pe	ermit 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 pe	ermit 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 pe	ermit 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 pe	ermit 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 pe	ermit limit. (Error Code: 1)		Yes
Commer	nts							
Attachm	ents							
		Name	9			Туре		Size
Discharge	eReport_MorrisForman_March2019.pdf					odf	130903	
MFWQTC	032019MOR.pdf					odf	86078	
MFWQTC	Coverletter032019.pdf					odf	31024	
Report L	ast Saved By							
Morris F	Forman WQTC MSD							
User:		kessel@louisvillemsd.org						
Name:		John Kessel						
E-Mail:		kessel@louisvillemsd.org						
Date/Tim	ie:	2019-04-26 13:48 (Time Zone: -04:00)						
Report L	ast Signed By							
User:		kessel@louisvillemsd.org						
Name:		John Kessel						
E-Mail:		kessel@louisvillemsd.org						

2019-04-26 13:48 (Time Zone: -04:00)

Date/Time:

DMR Copy of Record

Permit

Major:

Permit #: KY0022411

Yes

Permittee: Morris Forman WQTC MSD

Permittee Address: 700 W Liberty St

Louisville, KY 40203

Facility Location:

Facility:

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

Monitoring Period: From 01/01/19 to 03/31/19

DMR Due Date: 04/28/19

Status:

NetDMR Validated

Principal Executive Officer

First Name: James A.

Considerations for Form Completion

Parrott

Executive Director

Telephone:

No Data Indicator (NODI)

Last Name:

Form NODI: --

Parameter	Monitoring Location	Season #	Param. NODI			Quantity	or Loadin	g			Quality or Co	ncentratio	n		# of Ex. Frequency of Ana	lysis Sample Typ			
Code Name					Qualifier 1	Value 1	Qualifier 2	Value 2 Units Qu	alifier 1	Value 1 Qualifier 2	Value 2	Qualifier	3 Value 3	Units					
				Sample						=	271	=	271	19 - mg/L	01/90 - Quarterly	CP - COMPO			
0900 Hardness, total [as CaCO3]	1 - Effluent Gross	0		Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPO			
				Value NODI															
				Sample						<	0.05	<	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPO			
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 - COMPO			
				Value NODI															
				Sample						<	0.01	<	0.01	19 - mg/L	01/90 - Quarterly	CP - COMPO			
1040 Copper, dissolved [as Cu]	1 - Effluent Gross	0		Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPO			
				Value NODI															
				Sample						<	0.05	<	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPO			
1049 Lead, dissolved [as Pb]	1 - Effluent Gross	0		Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPO			
				Value NODI															
				Sample						<	0.05	<	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPO			
1090 Zinc, dissolved [as Zn]	n] 1 - Effluent Gross 0	1 - Effluent Gross	Effluent Gross 0		uent Gross 0		Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPO
				Value NODI															
				Sample						<	0.05	<	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPO			
1094 Zinc, total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPO			
				Value NODI															
				Sample						<	0.05	<	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPO			
1113 Cadmium, total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPO			
				Value NODI															
				Sample						<	0.05	<	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPO			
11114 Lead, total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPO			
				Value NODI															
				Sample						<	0.01	<	0.01	19 - mg/L	01/90 - Quarterly	CP - COMPO			
1119 Copper, total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPO			
				Value NODI															
				Sample								<	1	2F - tox acute	e 01/90 - Quarterly	G2 - GRAB-2			
61406 Toxicity, final conc toxicity units	1 - Effluent Gross	uent Gross 0		Permit Req.								<=	1 DAILY MX	2F - tox acute	e 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

Name: John Kessel

E-Mail: kessel@louisvillemsd.org

Date/Time: 2019-04-26 13:48 (Time Zone: -04:00)

Report Last Signed By

User: kessel@louisvillemsd.org

Name: John Kessel

E-Mail: kessel@louisvillemsd.org

Date/Time: 2019-04-26 13:48 (Time Zone: -04:00)

DMR Copy of Record

Permit	
remm	

Major:

Permit #: KY0022411

Yes

Permittee: Morris Forman WQTC MSD

Permittee Address: 700 W Liberty St Louisville, KY 40203 Facility Location:

Facility:

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 03/01/19 to 03/31/19 DMR Due Date: 04/28/19 Status: 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

Executive Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Last Name:

Form NODI: --

Parameter	Monitoring Location	Season #	# Param. NODI			Qu	antity or Load	ding					Quality or Con-	centration			# of Ex.	Frequency of Analysis	Sample Type
Code Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	1 Value 1	Qualifier 2	Value 2	Qualifier 3	3 Value 3	Units			
				Sample								=	84	=	223	19 - mg/L		17/30 - 17 Per Month	CP - COMPOS
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 - COMPOS
				Value NOD															
				Sample								=	146	=	162	19 - mg/L		17/30 - 17 Per Month	CP - COMPOS
00310 BOD, 5-day, 20 deg. C	F - Primary/Prelimary Process Complete	e 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															
				Sample								=	140	=	396	19 - mg/L		17/30 - 17 Per Month	CP - COMPOS
00530 Solids, total suspended	1 - Effluent Gross	0		Permit Req									Req Mon MO AVO	;	Req Mon MX WK AV	19 - mg/L	0	WH/DS - When Discharging	CP - COMPOS
				Value NOD															
				Sample								=	115	=	232	19 - mg/L		17/30 - 17 Per Month	CP - COMPOS
00530 Solids, total suspended	F - Primary/Prelimary Process Complete	e 0		Permit Req									Reg Mon MO AVO	3	Reg Mon MX WK AV	19 - mg/L	0	WH/DS - When Discharging	CP - COMPOS
,				Value NOD									·			, ,			
				Sample								=	7.9	=	11.9	19 - mg/L		17/30 - 17 Per Month	CP - COMPOS
00610 Nitrogen, ammonia total [as N]	1 - Effluent Gross	0		Permit Req									Reg Mon MO AVO	}	Reg Mon MX WK AV	19 - mg/L	0	WH/DS - When Discharging	CP - COMPOS
				Value NOD															
				Sample								_	10.4	=	13.3	19 - mg/L		17/30 - 17 Per Month	CP - COMPOS
00610 Nitrogen, ammonia total [as N]	F - Primary/Prelimary Process Complete	e 0		Permit Reg									Reg Mon MO AVO	}	Reg Mon MX WK AV		0	WH/DS - When Discharging	CP - COMPOS
	., ., ., ., ., ., ., ., ., ., ., ., ., .			Value NOD												. 3			
				Sample		1.6	= 2	5	03 - MGD									17/30 - 17 Per Month	CN - CONTIN
50050 Flow, in conduit or thru treatment plant	F - Primary/Prelimary Process Complete	e 0		Permit Req		eq Mon MO AVG		Reg Mon MX WK AV										WH/DS - When Discharging	
	, , , , , , , , , , , , , , , , , , , ,			Value NOD															

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

Name: John Kessel

E-Mail: kessel@louisvillemsd.org

Date/Time: 2019-04-26 13:47 (Time Zone: -04:00)

Report Last Signed By

User: kessel@louisvillemsd.org

Name: John Kessel

E-Mail: kessel@louisvillemsd.org

Date/Time: 2019-04-26 13:48 (Time Zone: -04:00)

Format: Month/Day/Year

Enter Start Date:

3/1/19

PLANT CAPACITY -

MORRIS FORMAN WAT
KPDES PERMIT NO. KY0022411

WATER QUALITY TREATMENT CENTER

JEFFERSON COUNTY, KENTUCKY

RECEIVING STREAM-OHIO RIVER

120 MGD

MONTH OF

March-19

TEMP SETS TSS D.O. 5-DAY BOD ACTIVE WASTEWATER FLOWS (DEGF) (M/L) CHLORINATION FINAL (mg/L) (mg/L) (Million Gallons) RETURN SLUDGE AERATION BASIN EFFLUENT Sludge Primary Pump. Final Sec. prim. FLOW TSS TVSS D.O MLSS MLVSS SET SVI Wasted Sludge Dosage Resid Coliform NH3-N Effluent Effluent MG MG KLBS #/100 ml Bypass mg/L mg/L mg/L Hours 54 54 7.0 85 228 248 136 24.0 3/1/19 138.88 121.61 17.27 6.3 0.1 32 6.9 32 23.3 12.7 10.8 12.8 2.3 1.9 164 75 0.91 0.29 3.44 0.016 127 73 57 57 7.2 6.3 295 32 233 126 21 170 0.94 0.016 24.0 3/2/19 127.17 125.04 2.13 11.0 0.1 6.8 23.5 13.6 11.6 12.2 2.3 2.0 89 0.22 2.64 140 5.7 57 186 24.0 3/3/19 113.72 108.02 5.70 57 7.2 6.3 9.7 1.4 204 74 5.8 193 130 79 23.4 13.0 11.1 14.4 2.1 1.8 61 0.94 0.21 2.81 0.016 37 55 7.2 6.6 14.8 380 25 8.5 300 20 13.4 3.0 2.6 179 0.94 2.47 0.016 24.0 55 0.4 195 23.5 14.2 12.1 0.16 31 8.1 3/4/19 116.83 115.67 1.16 53 53 7.1 6.6 9.8 0.3 288 28 8.1 308 213 18 23.5 12.5 10.8 9.6 2.5 2.1 228 0.93 0.21 2.26 0.016 25 11.2 24.0 3/5/19 85.32 85.32 37 2.6 240 56 7.0 6.5 356 334 3.3 0.85 0.25 48 24.0 3/6/19 78.69 78.89 0.00 56 15.6 0.4 5.5 178 21 23.4 12.9 10.8 8.7 75 1.84 0.016 12 56 56 7.2 10.1 0.3 284 52 5.3 281 210 32 23.1 15.3 12.9 6.8 3.9 3.3 322 0.94 0.28 2.11 0.016 50 12.4 24.0 3/7/19 79.28 79.28 0.00 6.4 57 57 7.2 278 0.94 24.0 3/8/19 98.01 91.87 6.14 6.5 18.0 1.7 340 134 5.8 418 259 125 23.0 15.0 12.8 7.3 3.7 3.1 0.30 3.19 0.016 45 15.1 3/9/19 128.27 101.03 28.66 7.3 6.5 10.9 4.8 352 210 4.8 200 138 109 23.3 15.7 13.6 6.9 6.3 5.3 229 0.94 0.17 4.27 0.016 70 24.0 70 3/10/19 126.48 97.97 28.51 57 57 7.3 6.7 4.2 1.3 98 96 5.8 55 48 61 23.2 15.6 13.1 24.7 3.1 2.6 218 0.94 0.12 4.04 0.016 244 5.2 24.0 55 7.2 228 67 83 2.2 191 0.94 0.21 8.2 24.0 55 6.7 0.3 8.1 208 71 15.0 12.3 21.2 2.6 74 3.31 0.016 154 124.32 46.90 8.8 23.1 3/11/19 171.18 56 56 7.2 6.6 7.8 0.3 248 33 7.1 216 129 32 23.4 14.1 11.8 15.8 2.7 2.3 193 70 0.94 0.24 3.08 0.016 297 9.3 24.0 3/12/19 142.20 124.15 18.05 3/13/19 117.41 116.34 1.07 59 59 7.2 6.7 12.9 0.3 336 39 5.8 357 226 27 23.4 14.7 12.4 6.1 2.7 2.4 198 72 0.94 0.25 2.34 0.016 150 9.6 24.0 119.03 45.62 62 7.0 6.5 10.2 1.4 292 4.0 180 96 68 23.1 14.6 12.5 10.9 2.8 2.4 190 0.94 0.32 5.07 0.016 137 7.1 24.0 3/14/19 164.65 3/15/19 161.10 123.38 37.72 59 59 7.2 6.7 6.0 0.3 197 58 6.6 219 76 45 23.2 14.7 12.1 17.8 2.5 2.0 187 0.93 0.26 4.68 0.016 5.1 24.0 56 56 7.2 6.8 9.0 0.6 247 70 5.1 291 211 44 23.1 14.0 11.4 7.9 4.9 4.0 192 40 0.93 0.23 3.42 0.016 4.8 24.0 3/16/19 129 13 119.72 9.41 108.71 57 57 7.2 6.7 10.9 0.3 288 29 7.2 199 131 21 23.2 14.5 12.0 16.4 2.5 2.0 197 79 0.94 0.21 2.21 0.016 34 24.0 3/17/19 109.82 1.11 56 56 7.1 335 15.6 148 3.0 2.5 231 0.85 0.21 1.82 0.016 50 8.3 24.0 3/18/19 98.57 98.57 0.00 6.5 14.7 0.2 25 240 17 22.8 13.4 10.9 14.0 177 5.0 27 12.1 24.0 7.1 6.6 13.8 0.3 72 6.3 158 22.8 14.8 12.1 14.2 6.1 211 0.86 0.29 2.20 0.016 3/19/19 90.64 0.00 90.64 3/20/19 86.28 86.28 0.00 59 59 7.1 6.6 12.2 0.3 452 47 5.8 413 222 37 23.1 14.0 11.9 9.7 5.9 5.0 260 44 0.94 0.19 2.13 0.016 10.8 12.4 267 60 60 7.0 6.5 18.9 0.2 392 49 6.4 485 337 27 7.2 4.3 3.5 0.91 0.22 2.36 0.016 12.7 0.0 68.98 0.00 23.0 14.2 11.7 3/21/19 88.98 78.89 0.00 60 60 7.0 6.6 18.0 7.0 440 242 5.8 521 373 144 23.4 11.8 1.8 3.7 3.0 322 0.94 0.23 2.41 0.016 56 13.5 0.0 3/22/19 78.89 14.2 6.8 177 60 7.1 264 348 6.6 198 215 10.6 349 0.93 2.12 0.016 0.0 3/23/19 71.04 71.04 0.00 60 6.3 175 13.0 134 23.1 14.0 11.9 8.2 0.20 9.6 260 17.8 4.1 372 0.94 11.7 0.0 3/24/19 75.00 75.00 0.00 60 7.4 6.4 13.5 8.2 138 185 105 23.1 16.2 13.4 0.19 2.23 0.016 223 3.3 277 0.94 0.0 3/25/19 126.78 110.83 15.95 61 61 7.0 6.5 20.0 14.0 444 396 5.1 290 162 23.2 14.7 11.9 20.2 3.9 71 0.19 4.86 0.016 11.9 58 58 6.9 6.5 16.0 347 54 6.6 342 207 17.0 14.5 2.7 271 0.94 0.16 2.71 0.016 46 12.6 0.0 0.2 39 23.5 13.7 3.4 76 3/26/19 84.90 0.00 84.90 3/27/19 91.25 0.00 56 56 7.2 6.5 16.0 0.1 395 32 4.7 384 213 22 23.2 14,7 11.8 12.1 2.9 2.3 254 0.93 0.19 2.23 0.016 24 16 0.0 91.25 59 5.3 410 5.7 307 0.93 0.0 59 7.1 6.6 15.0 0.5 448 94 211 23.5 6.8 44 0.28 3.79 0.016 20 18.4 3/28/19 91.15 91.15 0.00 54 14.0 11.6 11.0 11.0 0.2 300 7.4 420 353 23.4 3.3 2.7 281 0.94 15.9 0.0 3/29/19 92.72 92.72 0.00 6.4 35 15.7 13.1 4.1 0.34 3.20 0.016 62 588 62 6.8 6.5 8.5 21.0 305 3.2 273 236 23.4 2.8 333 96 0.94 0.016 0.0 3/30/19 147,77 106.15 41.62 256 15.4 12.9 4.6 3.4 0.29 6.44 13.9

SEWER CONNECTIONS

3/31/19

189.44

3501.8

113.0

128.84

3135.6

101 1

147948 TIMES 4 =

57

60.60

367.6

57

7.3

591792 SEWER POPULATION

6.5

5.0

8.0

142

300

IND. WASTER POPULATION EQ

CUSTOMERS

5.8

381

65

158

23.4

720.6

23.2

FLOW 500438 BOD 952098 TSS 837724

128

Authorized Agent

17.4

14.6

21.3

2.9

244

2/1/

0.94

28.7

0.26

7.2

Certification No. 26893

230

13.6

6.34

0.016

MORRIS FORMAN WASTEWATER TREATMENT PLANT

JEFFERSON COUNTY, KY

Month of	Mar-19

Average Flow

	Primary	l	Secondary	
SETTLING TANKS		Battery A	Battery B	Battery C
Average Flow (MGD)	114.68	35.82	30.15	9.51
Tanks in Service	4.00	7.0	7.0	2.0
Surface Area (Ft.2)	77000.00	59702.20	60350.25	17200.39
Volume (MG)	8.33	6.12	6.18	1.76
Weir Length (Ft.)	2860.00	2474.36	2501.22	712.87
Avg. Weir Overflow (GPD/Ft)	40099.35	14475.44	12053.31	13335.26
Avg. Settling Rate (GPD/Ft2)	1489.40	750.68	665.25	799.7€
Avg. Detention Time	1.74	4.10	4.92	4.45

AERATION TANKS	Battery A	Battery B	Battery C
Volume (Gallons)	4200000	4200000	2100000
Avg. Flow (MGD)	44.82	40.15	13.76
Avg. Detention Time (Hours)	2.81	3.34	5.30

CHLORINE CONTACT CHAMBERS

Contact Chambers in Use 2.0
Volume (Gailons) 2340000
Avg. Detention Time (Hours) 0.78

Remarks: BY-PASS REPORTS (See Attached)



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	Initiated	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	3065420		03/09/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	11/29/2001	LACK OF	UNAUTHORIZED	03/09/19 05:02	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	266 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED. DISCHARGE PIPE IS SUBMERGED.
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 SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.

Notifications:

3/10/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/10/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

4/9/2019 Page 1 of 14 4:20:05 PM





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	3067288		3/14/2019	MITCHELL	DAVIS BROWN	DOCUMENTED	11/29/2001	LACK OF	UNAUTHORIZED	03/14/19 10:34	MAIN
DISCHARGE			8:46:00PM					SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	75,000 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 ESTABLISHED DUE TO LACK OF PUBLIC ACCESS TO THE DISCHARGE SITE.
Impact:	NONE OBSERVED. OVER FLOW NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PERMANENT SIGNS ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

3/15/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/15/19 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** Condition Activity Code / Description Ref No Result Completed 3078411 3/30/2019 MITCHELL DAVIS BROWN DOCUMENTED LACK OF : DISREVRAIN EVENT 11/29/2001 UNAUTHORIZED 03/31/19 12:19 MAIN 9:51:00PM SYSTEM DISCHARGE DISCHARGE-WATER AM CAPACITY S

Discharge Reporting:

Discharge Amount:	18,000 GAL
Cause:	LACK OF SYSTEM CAPACITY. HEAVY RAIN.
Clean Up:	NOT REQUIRED. DISCHARGE PIPE IS SUBMERGED.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHE THE PIPE DISCHARGES DIRECTLY TO CREEK.
Impact:	NONE OBSERVED. OVER FLOW NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVERFLOW ADVISORY SIGNS POSTED ALONG THE CREEK TO AVOID CONTACT WITH DISCHARGED
	CONTENT.

3/31/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/31/19 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	16649	1726 FRASER DR		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	3065419		03/09/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	01/24/2002	LACK OF	UNAUTHORIZED	03/09/19 10:30	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	43,000 GAL
Cause:	LACK OF SYSTEM CAPACITY. HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED. DISCHARGE PIPE IS SUBMERGED.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHED DUE TO THE SIZE OF THE CREEK AND DIFFICULTY ACCESSING DISCHARGE AREAS.
Impact:	NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND PERMANENT SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.

Notifications:

3/10/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/10/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

4/9/2019 Page 4 of 14 4:20:07 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** Condition Activity Code / Description Ref No Completed Result 3078412 3/30/2019 MITCHELL DAVIS BROWN DOCUMENTED 01/24/2002 LACK OF : DISREVRAIN EVENT UNAUTHORIZED 03/30/19 10:15 MAIN 8:30:00PM SYSTEM DISCHARGE DISCHARGE-WATER PM CAPACITY S

Discharge Reporting:

Discharge Amount:	1,165 GAL				
Cause:	LACK OF SYSTEM CAPACITY. HEAVY RAIN.				
Clean Up:	NOT REQUIRED. DISCHARGE PIPE IS SUBMERGED.				
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHE. THE PIPE DISCHARGES DIRECTLY TO CREEK.				
Impact:	NONE OBSERVED. OVERFLOW NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.				
Repair:	LOCATION INCLUDED IN IOAP.				
Public Notification: PUBLIC NOTIFIED THROUGH DOOR HANGERS AND PERMANENT SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.					

3/31/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/31/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Region



Report Selections: Period: 03/01/2019 00:00 thru 03/31/2019 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW,

DISREV				
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	27012	2408 GRAY FOX RD		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	3065425		03/09/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	03/09/2019	LACK OF	UNAUTHORIZED	03/10/19 09:30	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	45,000 GAL
Cause:	LACK OF SYSTEM CAPACITY. HEAVY RAIN.
Clean Up:	WO#3065468
Control Zone:	TEMPORARY DISCHARGE SIGNSPLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTFIIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND PERMANENT SIGNS ALONG THE CREEK TO AVOID CONTACT WITH DISCHARGED CONTENT.

3/10/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/10/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water Quality Treatement Center	Receiving Stream of Treatment Center	Region
3.0.1.2.7				

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	<u>Initiated</u>	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	3065427		03/09/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	10/28/2015	LACK OF	UNAUTHORIZED	03/10/19 07:10	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	16,550 GAL
Cause:	LACK OF SYSTEM CAPACITY. HEAVY RAIN.
Clean Up:	WO#3065474
Control Zone:	TEMPORARY DISCHARGE SIGN AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTFIIED THROUGH DOOR HANGERS & TEMP SIGNS AT DISCHARGE SITE TO AVOID CONTACT WITH DISCHARGED CONTENT.

3/10/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/10/19 1:00 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	40871	2120 INDIAN HILLS TRL		MUDDY 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	3065415		03/09/2019	GOODWIN	BRAZEL	DOCUMENTED	03/09/2019	LACK OF	UNAUTHORIZED	03/09/19 09:09	
DISCHARGE								SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	1,250 GAL
Cause:	LACK OF SYSTEM CAPACITY. HEAVY RAIN
Clean Up:	CLEANED AND SANITIZED IMPACTED AREA.
Control Zone:	PERMANENT SIGNS SUPPLEMENTED WITH TEMPORARY SIGNS.
Impact:	SEWAGE FOUND AROUND MANHOLE.
Repair:	A SOLUTION CAN BE FOUND IN THE IOAP.
Public Notification:	PERMANENT SIGNS SUPPLEMENTED WITH TEMPORARY SIGNS.

3/10/19 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	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	3065424		03/09/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	05/10/2014	LACK OF	UNAUTHORIZED	03/10/19 09:40	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	180,000 GAL
Cause:	LACK OF SYSTEM CAPACITY. HEAVY RAIN.
Clean Up:	WO#3065471
Control Zone:	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 PERMANENT SIGNS ALONG THE CREEK TO AVOID CONTACT WITH DISCHARGED CONTENT.

3/10/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/10/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



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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	45835	1132 ROSTREVOR CIR		MIDDLE FORK BEARGRASS CREEK	GROUND

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	3065423		03/09/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	09/02/2003	LACK OF	UNAUTHORIZED	03/10/19 09:30	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	22,500 GAL
Cause:	LACK OF SYSTEM CAPACITY. HEAVY RAIN.
Clean Up:	WO#3065469
Control Zone:	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 PERMANENT SIGNS ALONG THE CREEK TO AVOID CONTACT WITH DISCHARGED CONTENT.

3/10/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/10/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



Initiated Mar 01, 2019 12:00 AM thru Mar 31, 2019 11:59 PM

Report Selections: Period: 03/01/2019 00:00 thru 03/31/2019 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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	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	3078417		03/30/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	02/06/2008	LACK OF	UNAUTHORIZED	03/30/19 10:30	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	99,000 GAL
Cause:	LACK OF SYSTEM CAPACITY. HEAVY RAIN.
Clean Up:	UNABLE TO ACCESS DISCHARGE SITE DUE TO AREA BEING UNDER CONSTRUCTION.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHED. AREA IS UNDER CONSTRUCTION. UNABLE TO ACCESS THE DISCHARGE SITE.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.

Notifications:

3/31/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/31/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

4/9/2019 Page 11 of 14 4:20:07 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	IS021A-SI	1201 OLD CANNONS LN		MIDDLE 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
: DISREV: RAIN EVENT	3065422		03/09/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	08/01/1969	LACK OF	UNAUTHORIZED	03/10/19 06:00	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	1,345,000 GAL
Cause:	LACK OF SYSTEM CAPACITY. HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED. DISCHARGE PIPE IS SUBMERGED.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHED DUE TO THE SIZE OF THE CREEK AND DIFFICULTY ACCESSING DISCHARGE AREAS.
Impact:	NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.

Notifications:

3/10/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/10/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

4/9/2019 Page 12 of 14 4:20:07 PM





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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	WO #	Ref No	<u>Initiated</u>	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	Result	Completed	Condition
: DISREVRAIN EVENT	3067287		3/14/2019	MITCHELL	DAVIS BROWN	DOCUMENTED	08/01/1969	LACK OF	UNAUTHORIZED	03/15/19 11:30	MAIN
DISCHARGE			7:45:00PM					SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	465,000 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 ESTABLISHED DUE TO LACK OF PUBLIC ACCESS TO THE DISCHARGE SITE.
Impact:	NONE OBSERVED. OVERFLOW NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PERMANENT SIGNS ALONG THE CREEK TO AVOID CONTACT WITH DISCHARGED CONTENT.

3/15/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/15/19 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



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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** Condition Activity Code / Description Ref No Completed Result 3078413 3/30/2019 MITCHELL DAVIS BROWN DOCUMENTED 08/01/1969 LACK OF : DISREVRAIN EVENT UNAUTHORIZED 03/31/19 03:00 MAIN 9:00:00PM SYSTEM DISCHARGE DISCHARGE-WATER AM CAPACITY S

Discharge Reporting:

Discharge Amount:	1,609,000 GAL
Cause:	LACK OF SYSTEM CAPACITY. HEAVY RAIN.
Clean Up:	NOT REQUIRED. DISCHARGE PIPE IS SUBMERGED.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHE. THE PIPE DISCHARGES DIRECTLY TO CREEK.
Impact:	NONE OBSERVED. OVERFLOW NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.

Notifications:

3/31/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/31/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 9

Total Work Orders Printed: 14

4/9/2019 Page 14 of 14 4:20:07 PM