

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

June 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 May 1st to May 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 percent removal, BOD percent removal and a one day Dissolved Oxygen violation 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 questions, please contact me at (502) 540-6793.

Sincerely.

Alex E. Novak, P.E.

Treatment Facilities Director

DMR Copy of Record

Permit											_							
Permit #	#:	KY0022411		P	Permittee:		Morris Formar	WQTC MSD			Facility:			MORRIS F	ORMAN W	VQTC	MSD	
Major:		Yes		P	Permittee Ac	ldress:	700 W Liberty Louisville, KY				Facility	Location:		4522 ALGO LOUISVILL				
Permitte	ed Feature:	001 External Outfall		0	Discharge:		001-1 MUNICIPAL D	ISCHARGE										
Report	Dates & Status																	
Monitor	ring Period:	From 05/01/19 to 05/31/19		0	MR Due Da	te:	06/28/19				Status:			NetDMR Va	alidated			
Conside	erations for Form Completion	1									·							
	LUENTE - SECONDARY EFFLU not needed.	UENT1 - FINAL EFFLUENT - Paramo	eter 7405	5 - Use Sea	ason 1 for su	mmer months (May, June,	July, August, Se	ptember, and O	ctober) a	and Season 2	for winter mo	onths (Noven	nber, Dec	ember, January, F	ebruary Ma	arch, a	and April); enter NOD	I=9 for the
Principa	al Executive Officer																	
First Na	nme:	James A.		Т	itle:		Executive Dire	ctor			Telepho	ne:		502-540-60	00			
Last Na	me:	Parrott																
No Data	a Indicator (NODI)																	
Form N	ODI:																	
	Parameter	Monitoring Location	Season #	# Param. NOD			tity or Loading					Quality or Cond				# of l	Ex. Frequency of Analys	sis Sample Ty
Code	Name				Sample	Qualifier 1 Value 1 G	Qualifier 2 Va	lue 2 Unit	s Qualif	ier 1 Value 1 1.8	Qualifier 2	Value 2	Qualifier 3	3 Value 3	Units 19 - mg/L		01/01 - Daily	GR - GRAB
X 00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0		Permit Req.				>=	2 INST MIN	J				19 - mg/L	1	01/01 - Daily	GR - GRAB
					Value NODI													
Y	BOD, 5-day, 20 deg. C	E - Secondary/Biological Process Complete	. 0		Sample Permit Req.	= 38563 = Req Mon MO AVG	63568 Reg Mon	26 - lb/ MX WK AV 26 - lb/			= 45 <= 30	MO AVG	= <=	73 45 MX WK AV	19 - mg/L 19 - mg/L	2	01/01 - Daily 01/01 - Daily	CP - COMP
A 00310	DOD, 5 day, 25 dog. 0	2 decondary/Biological 1 rocess demplete	, 0		Value NODI	req wor we need	rteq worr	IVIX VVICAV 20 IB/	<u> </u>		_	WO AVO		TO WIX VVICAV	13 Hig/L		01/01 Daily	OI OOWII
					Sample	= 247980 =	262909	26 - Ib/			= 274		=	324	19 - mg/L		01/01 - Daily	CP - COMP
00310 E	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0		Permit Req. Value NODI	Req Mon MO AVG	Req Mon	MX WK AV 26 - lb/	'd		Re	q Mon MO AVG	3	Req Mon MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMP
					Sample				=	6.3			=	6.8	12 - SU		01/01 - Daily	GR - GRAB
00400	рН	1 - Effluent Gross	0		Permit Req.				>=	6 MINIMUN	Л		<=	9 MAXIMUM	12 - SU	0	01/01 - Daily	GR - GRAB
					Value NODI Sample	= 65408 =	121003	26 - lb/	/d		= 78		_	139	19 - mg/L		01/01 - Daily	CP - COMP
X 00530	Solids, total suspended	E - Secondary/Biological Process Complete	e 0		Permit Req.	Req Mon MO AVG		MX WK AV 26 - lb/				MO AVG	<=	45 MX WK AV	19 - mg/L	2	01/01 - Daily	CP - COMP
					Value NODI													
00530	Solids, total suspended	G - Raw Sewage Influent	0		Sample Permit Req.	= 285112 = Req Mon MO AVG		26 - lb/ MX WK AV 26 - lb/			= 308	8 q Mon MO AVG	= 2	354 Req Mon MX WK AV	19 - mg/L	0	01/01 - Daily 01/01 - Daily	CP - COMP
00000	oolids, total suspended	C Naw dewage militerit	O		Value NODI	rteq Mon Mo Avo	rteq iviori	IVIX VVICAV 20 IB/	<u> </u>		110	q Worr WO AVC	,	red Mon MX MICA	13 Hig/L		01/01 Daily	OI COIVII
					Sample	= 8562 =	10624	26 - Ib/			= 10.		-	13.3	19 - mg/L		01/01 - Daily	CP - COMP
00610	Nitrogen, ammonia total [as N]	E - Secondary/Biological Process Complete	0		Permit Req. Value NODI	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
					Sample	= 10246 =	11262	26 - Ib/	'd		= 11.	.4	=	13.4	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 26 - Ib/	'd		Re	q Mon MO AVG	3	Req Mon MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMP
					Value NODI Sample	= 101.88 =	114.06	03 - M	GD								99/99 - Continuous	CN - CONT
50050 F	Flow, in conduit or thru treatment plant	E - Secondary/Biological Process Complete	e 0		Permit Req.	Req Mon MO AVG		DAILY MX 03 - M								0	99/99 - Continuous	CN - CONT
					Value NODI													
50060	Chlorine, total residual	1 - Effluent Gross	0		Sample Permit Req.								<=	0.016 .019 DAILY MX	19 - mg/L 19 - mg/L	0	01/01 - Daily 01/01 - Daily	GR - GRAB GR - GRAB
30000	Ciliotitie, total residual	1 - Ellidelit Gloss	U	_	Value NODI								=	.019 DAILT WA	19 - Hig/L		01/01 - Daily	GK - GKAD
					Sample						= 47		=	86	13 - #/100m		01/01 - Daily	GR - GRAB
74055	Coliform, fecal general	1 - Effluent Gross	1		Permit Req. Value NODI						<= 200	0 30DA GEO	<=	400 7 DA GEO	13 - #/100m	nL 0	01/01 - Daily	GR - GRAB
					Sample				=	83					23 - %		01/30 - Monthly	CA - CALCT
X 81010 E	BOD, 5-day, percent removal	K - Percent Removal	0		Permit Req.				>=	85 MO MIN	ı				23 - %	1	01/30 - Monthly	CA - CALCT
					Value NODI Sample					75					23 - %		01/30 - Monthly	CA - CALCT
X 81011	Solids, suspended percent removal	K - Percent Removal	0		Permit Req.				>=	85 MO MIN	l .				23 - %	1	01/30 - Monthly	CA - CALCT
2 2 3 1 3 1 1					Value NODI													
Submis	sion Note																	
If a para	meter row does not contain any	values for the Sample nor Effluent 1	rading, th	nen none of	the following	g fields will be submitted fo	r that row: Units,	Number of Exc	ursions,	Frequency of	Analysis, and	d Sample Ty	pe.					
Edit Ch	eck Errors																	
	Parameter																	
Code			Monitor	ing Location	1		Field		Ty	уре			De	scription			Ac	knowledge

81010	BOD, 5-day, percent removal	K - Percent Removal	Quality or Concentration Sample Value 1	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes
00530	Solids, total suspended	E - Secondary/Biological Process Complete	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the permit limit. (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 permit 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 permit 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 permit limit. (Error Code: 1)	Yes
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	Quality or Concentration Sample Value 1	Soft	The provided sample value is outside the permit 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 permit limit. (Error Code: 1)	Yes

Comments

Attachments

Name	Туре	Size
MFWQTC052019MOR.pdf	pdf	91210
DischargeReport_MorrisForman_May2019.pdf	pdf	143921
MFWQTC052019Coverletter.pdf	pdf	31005

Report Last Saved By

Morris Forman WQTC MSD

User: kessel@louisvillemsd.org

Name: John Kessel

E-Mail: kessel@louisvillemsd.org

Date/Time: 2019-06-18 07:34 (Time Zone: -04:00)

Report Last Signed By

User: kessel@louisvillemsd.org

Name: John Kessel

E-Mail: kessel@louisvillemsd.org

Date/Time: 2019-06-18 07:34 (Time Zone: -04:00)

DMR Copy of Record

Permit	

Major:

KY0022411 Permit #:

Yes

Morris Forman WQTC MSD Permittee:

Permittee Address:

700 W Liberty St Louisville, KY 40203

06/28/19

Facility: **Facility Location:**

Status:

MORRIS FORMAN WQTC MSD

4522 ALGONQUIN PKWY LOUISVILLE, KY 40211

001 **Permitted Feature:**

External Outfall

001-B SECONDARY BYPASS

From 05/01/19 to 05/31/19

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:

Discharge:

DMR Due Date:

Principal Executive Officer

Report Dates & Status

Monitoring Period:

First Name: James A.

Last Name: Parrott **Executive Director**

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI:

Parameter	Monitoring Location	Season # P	Param. NODI			Qu	antity or Loa	ding				Quality or Cor	ncentration		# of E	x. 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	Value 3	Units		
				Sample							=	72	=	116	19 - mg/L	22/30 - 22 Per Month	CP - COMPOS
00310 BOD, 5-day, 20 deg. C	1 - Effluent Gross	0		Permit Req.								Req Mon MO AV	G	Req Mon MX WK AV	19 - mg/L 0	WH/DS - When Discharging	CP - COMPOS
				Value NODI													
				Sample							=	156	=	188	19 - mg/L	22/30 - 22 Per Month	CP - COMPOS
00310 BOD, 5-day, 20 deg. C	F - Primary/Prelimary Process Complete	e 0		Permit Req.								Req Mon MO AVO	G	Req Mon MX WK AV	19 - mg/L 0	WH/DS - When Discharging	CP - COMPOS
, ,,				Value NODI													
				Sample							=	123	=	191	19 - mg/L	22/30 - 22 Per Month	CP - COMPOS
00530 Solids, total suspended	1 - Effluent Gross	0		Permit Req.								Req Mon MO AVO	G	Req Mon MX WK AV	19 - mg/L 0	WH/DS - When Discharging	CP - COMPOS
				Value NODI													
				Sample							=	155	=	231	19 - mg/L	22/30 - 22 Per Month	CP - COMPOS
00530 Solids, total suspended	F - Primary/Prelimary Process Complete	te 0		Permit Req.								Reg Mon MO AV	G	Reg Mon MX WK AV	19 - mg/L 0	WH/DS - When Discharging	CP - COMPOS
			Value NODI														
				Sample							=	9.6	=	13	19 - mg/L	22/30 - 22 Per Month	CP - COMPOS
00610 Nitrogen, ammonia total [as N]	1 - Effluent Gross	0		Permit Req.								Reg Mon MO AV	G	Reg Mon MX WK AV	19 - mg/L 0	WH/DS - When Discharging	CP - COMPOS
				Value NODI													
				Sample							=	13.6	=	16	19 - mg/L	22/30 - 22 Per Month	CP - COMPOS
00610 Nitrogen, ammonia total [as N]	F - Primary/Prelimary Process Complete	e 0		Permit Req.								Reg Mon MO AV	G	Reg Mon MX WK AV		WH/DS - When Discharging	CP - COMPOS
,				Value NODI											J		
				Sample		9.2	= 2	28.7	03 - MGD							22/30 - 22 Per Month	CN - CONTIN
50050 Flow, in conduit or thru treatment plant	F - Primary/Prelimary Process Complete	e 0		Permit Req.	R	eq Mon MO AVG	6 6	Reg Mon MX WK AV	03 - MGD						0	WH/DS - When Discharging	CN - CONTIN
,	, , , , , , , , , , , , , , , , , , , ,			Value NODI				•									

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

Morris Forman WQTC MSD

User: kessel@louisvillemsd.org

John Kessel Name:

E-Mail: kessel@louisvillemsd.org

Date/Time: 2019-06-18 07:34 (Time Zone: -04:00)

Report Last Signed By

User: kessel@louisvillemsd.org

John Kessel Name:

E-Mail: kessel@louisvillemsd.org

Date/Time: 2019-06-18 07:34 (Time Zone: -04:00)





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	08426	4315 PRUITT CT		SOUTH FORK BEARGRASS CREEK	GROUND

Activity Code / Description	<u>WO #</u>	Ref No	<u>Initiated</u>	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
: DISREV: RAIN EVENT	3100648		05/03/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	02/25/2011	LACK OF	UNAUTHORIZED	05/03/19 01:56	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	11,300 GAL
Cause:	LACK OF SYSTEM CAPACTIY. HEAVY RAIN.
Clean Up:	CLEAN UP NOT REQUIRED. NO VISABLE SIGNS OF DEBRIS ON OR AROUND MANHOLE.
Control Zone:	BARRICADES CAUTION TAPE AND TEMP DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND DOOR HANGERS TO AVOID DISCHARGED CONTENT.

Notifications:

5/3/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
5/3/19 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

6/6/2019 Page 1 of 19 9:47:41 AM



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

Report Selections: Period: 05/01/2019 00:00 thru 05/31/2019 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	08429	4337 PRUITT CT		BUECHEL BRANCH	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	3100649		05/03/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	05/03/2019	LACK OF	UNAUTHORIZED	05/03/19 11:57	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	600 GAL
Cause:	LACK OF SYSTEM CAPACTIY. HEAVY RAIN.
Clean Up:	CLEAN UP NOT REQUIRED. NO VISABLE SIGNS OF DEBRIS ON OR AROUND MANHOLE.
Control Zone:	BARRICADES CAUTION TAPE AND TEMP DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND DOOR HANGERS TO AVOID DISCHARGED CONTENT.

Notifications:

5/3/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
5/3/19 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	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	08430	4341 PRUITT CT		SOUTH 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	3100650		05/03/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	06/22/2011	LACK OF	UNAUTHORIZED	05/03/19 11:58	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	600 GAL
Cause:	LACK OF SYSTEM CAPACTIY. HEAVY RAIN.
Clean Up:	CLEAN UP NOT REQUIRED. NO VISABLE SIGNS OF DEBRIS ON OR AROUND MANHOLE.
Control Zone:	BARRICADES CAUTION TAPE AND TEMP DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND DOOR HANGERS TO AVOID DISCHARGED CONTENT.

Notifications:

5/3/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
5/3/19 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

6/6/2019 Page 3 of 19 9:47:44 AM





DISKEY	
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 : DISREV: RAIN EVENT

WO # Ref No Initiated

Initiated By Assigned To **Disch Status**

Event Date

Problem LACK OF Result

Completed

Condition

DISCHARGE

3100611

05/03/2019

DAVIS BROWN MITCHELL

DOCUMENTED

11/29/2001

UNAUTHORIZED

05/06/19 01:53

SYSTEM CAPACITY

S

DISCHARGE-WATER

MAIN

Discharge Reporting:

z.cogo . top o. tg.	
Discharge Amount:	244,587 GAL
Cause:	LACK OF SYSTEM CAPACTIY. HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED. MANHOLE IS DISCHARGING DIRECTLY INTO CREEK.
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 OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

5/3/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
5/3/19 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
KV0022411	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	3100621		05/03/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	03/09/2019	LACK OF	UNAUTHORIZED	05/03/19 05:02	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	97,200 GAL
Cause:	LACK OF SYSTEM CAPACTIY. HEAVY RAIN.
Clean Up:	WO#3090373
Control Zone:	CAUTION TAPE AND TEMP DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

5/3/19 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION
5/3/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG,
		SAYRE.DENNIS@EPAMAIL.EPA.GOV



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	28249	3500 ST EDWARDS DR		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	3100643		05/03/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	03/12/2006	LACK OF	UNAUTHORIZED	05/03/19 01:54	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	5,475 GAL
Cause:	LACK OF SYSTEM CAPACTIY. HEAVY RAIN.
Clean Up:	WO#3100856
Control Zone:	CAUTION TAPE AND TEMP DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND DOOR HANGERS TO AVOID DISCHARGED CONTENT.

Notifications:

5/3/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
5/3/19 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

6/6/2019 Page 6 of 19 9:47:44 AM



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	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	3100646		05/03/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	08/30/2005	LACK OF	UNAUTHORIZED	05/03/19 08:57	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	31,550 GAL
Cause:	LACK OF SYSTEM CAPACTIY. HEAVY RAIN.
Clean Up:	WO#3100858
Control Zone:	BARRICADES CAUTION TAPE AND TEMP DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND DOOR HANGERS TO AVOID DISCHARGED CONTENT.

Notifications:

5/3/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
5/3/19 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
KV0022411	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	28340	3620 CHARLANE PKY		CHENOWETH RUN	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	3100644		05/03/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	01/03/2005	LACK OF	UNAUTHORIZED	05/03/19 09:04	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	15,800 GAL
Cause:	LACK OF SYSTEM CAPACTIY. HEAVY RAIN.
Clean Up:	WO#3100859
Control Zone:	CAUTION TAPE AND TEMP DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND DOOR HANGERS TO AVOID DISCHARGED CONTENT.

Notifications:

5/3/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
5/3/19 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	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	28415	3406 DELL RD		CHENOWETH RUN	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	3100638		05/03/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	12/19/2002	LACK OF	UNAUTHORIZED	05/03/19 08:45	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	16,575 GAL
Cause:	LACK OF SYSTEM CAPACTIY. HEAVY RAIN.
Clean Up:	WO#3100638
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND DOOR HANGERS TO AVOID DISCHARGED CONTENT.

Notifications:

5/3/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
5/3/19 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		
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	28451	3406 CHARLANE PKY		CHENOWETH RUN	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	3100641		05/03/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	10/28/2015	LACK OF	UNAUTHORIZED	05/03/19 08:50	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	16,000 GAL
Cause:	LACK OF SYSTEM CAPACTIY. HEAVY RAIN.
Clean Up:	WO#3100855
Control Zone:	CAUTION TAPE AND TEMP DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND DOOR HANGERS TO AVOID DISCHARGED CONTENT.

Notifications:

5/3/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
5/3/19 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	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	3100639		05/03/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	10/28/2015	LACK OF	UNAUTHORIZED	05/04/19 10:01	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	34,625 GAL
Cause:	LACK OF SYSTEM CAPACTIY. HEAVY RAIN.
Clean Up:	WO#3100854
Control Zone:	CAUTION TAPE AND TEMP DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND DOOR HANGERS TO AVOID DISCHARGED CONTENT.

5/3/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
5/3/19 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



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	45796	1011 ALTA CIR		MIDDLE FORK BEARGRASS CREEK	DITCH

Activity Code / Description	<u>WO #</u>	Ref No	<u>Initiated</u>	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
: DISREV: RAIN EVENT	3100623		05/03/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	05/10/2014	LACK OF	UNAUTHORIZED	05/03/19 05:35	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	75,750 GAL
Cause:	LACK OF SYSTEM CAPACTIY. HEAVY RAIN.
Clean Up:	WO#3090199
Control Zone:	CAUTION TAPE AND TEMP DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

ļ	5/3/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
ļ	5/3/19 1:00 pm	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	47582	201 BULLITT 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	3100636		05/03/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	12/05/2011	LACK OF	UNAUTHORIZED	05/03/19 06:20	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	49,000 GAL
Cause:	LACK OF SYSTEM CAPACTIY. HEAVY RAIN.
Clean Up:	WO#3100852
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTFIIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND PERMANENT SIGNS ALONG THE CREEK TO AVOID CONTACT WITH DISCHARGED CONTENT.

ļ	5/3/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
ļ	5/3/19 1:00 pm	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	47583	202 OXMOOR LN		MIDDLE FORK BEARGRASS CREEK	STREAM

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
: DISREV: RAIN EVENT	3100629		05/03/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	02/06/2008	LACK OF	UNAUTHORIZED	05/03/19 06:15	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	97,800 GAL
Cause:	LACK OF SYSTEM CAPACTIY. HEAVY RAIN.
Clean Up:	WO#3100850
Control Zone:	CONTROL NOT ESTABLISHED. UNABLE TO ACCESS AREA DUE TO FLOODING.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

5/3/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
5/3/19 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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DISREV

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 72289 1700 SULGRAVE RD MIDDLE FORK BEARGRASS CREEK GROUND

WO# **Activity Code / Description** Ref No Initiated **Initiated By Assigned To Disch Status Event Date Problem** Completed Condition Result : DISREV: RAIN EVENT 3100626 05/03/2019 DAVIS BROWN MITCHELL DOCUMENTED 05/29/2012 LACK OF UNAUTHORIZED 05/03/19 05:40 MAIN DISCHARGE SYSTEM DISCHARGE-WATER CAPACITY S

Discharge Reporting:

Discharge Amount:	51,100 GAL
Cause:	LACK OF SYSTEM CAPACTIY. HEAVY RAIN.
Clean Up:	WO#3100847
Control Zone:	BARRICADES, CAUTION TAPE AND TEMP DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

ļ	5/3/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
ļ	5/3/19 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



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
SMN Sewer Main	75126-AG	329 W MAIN ST		OHIO RIVER	CATCH BASIN

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	3113373		05/30/2019	GOODWIN	CROTZER	REPAIRED -	05/30/2019	STRUCTURAL	UNAUTHORIZED	05/30/19 10:50	
DISCHARGE						ISSUE		FAILURE	DISCHARGE-WATER	AM	
						RESOLVED			S		

Discharge Reporting:

Discharge Amount:	1,000 GAL
Cause:	STRUCTURAL FAILURE AT FORCE MAIN CLEANOUT MANHOLE.
Clean Up:	NOT NEEDED. DISCHARGE FLOWED DIRECTLY TO DRAIN GRATE DURING REV.
Control Zone:	DISCHARGE FLOWED DIRECTLY TO DRAIN GRATE DURING REV.
Impact:	SEWAGE FOUND AROUND MANHOLE.
Repair:	1 PUMP TAKEN OUT OF SERVICE UNTIL REPAIRS CAN BE MADE.
Public Notification:	DISCHARGE FLOWED DIRECTLY TO DRAIN GRATE DURING REV.

5/31/19 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 Ty	pe	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH S	ewer Manhole	92106	10401 FOREST GARDEN LN		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
: DISDW: DRY WEATHER	3104340		05/15/2019	MCCRARY	MCCRARY	REPAIRED -	05/15/2019	ROOTS	UNAUTHORIZED	05/15/19 10:10	MAIN
DISCHARGE						ISSUE			DISCHARGE-WATER	PM	
						RESOLVED			S		

Discharge Reporting:

Discharge Amount:	600 GAL
Cause:	ROOTS IN MANHOLE.
Clean Up:	CLEAN UP ACTIVITIES PERFORMED.
Control Zone:	CAUTION TAPE AND ONE TEMP DISCHARGE SIGN.
Impact:	SEWAGE DISCHARGING FROM MANHOLE 92106. HEAVY DEBRIS AROUND MANHOLE, CREEK LINE AND IN THE CREEK.
Repair:	FLUSHED AND PULLED ROOTS FROM MANHOLE.
Public Notification:	ADVISED CUSTOMER ON SITE.

5/16/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
5/16/19 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	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	3100612		05/03/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	08/01/1969	LACK OF	UNAUTHORIZED	05/03/19 10:45	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

Discharge Reporting:

Discharge Amount:	2,964,000 GAL
Cause:	LACK OF SYSTEM CAPACTIY. HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED. MANHOLE IS DISCHARGING DIRECTLY INTO CREEK.
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 OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

5/3/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
5/3/19 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 Completed Result 3113155 MITCHELL DAVIS BROWN DOCUMENTED 08/01/1969 LACK OF : DISREVRAIN EVENT 5/29/2019 UNAUTHORIZED 05/29/19 06:45 MAIN 3:15:00PM SYSTEM DISCHARGE DISCHARGE-WATER PM CAPACITY S

Discharge Reporting:

Discharge Amount:	300,000 GAL
Cause:	LACK OF SYSTEM CAPACITY. HEAVY RAIN.
Clean Up:	CLEAN UP NOT REQUIRED. MANHOLE DISCHARGES DIRECTLY INTO THE CREEK.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHED. NO PUBLIC ACCESS TO THE DISCHARGE SITE.
Impact:	NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVERFLOW ADVISORY SIGNS POSTED ALONG THE CREEK, TO AVOID CONTACT WITH DISCHARGED
	CONTENT.

Notifications:

5/30/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG,
		SAYRE.DENNIS@EPAMAIL.EPA.GOV

Total Facilities Printed: 18

Total Work Orders Printed: 19

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Format: Month/Day/Year

Enter Start Date:

5/1/19

MORRIS FORMAN WATER QUALITY TREATMENT CENTER KPDES PERMIT NO. KY0022411

PLANT CAPACITY -

JEFFERSON COUNTY, KENTUCKY

RECEIVING STREAM-OHIO RIVER

120 MGD

MONTH OF

May-19

				Г	TEMP		рН		SETS	T	TSS	٠	D.O.		5-DAY BOD																
		VASTEWAT	ER FLOWS		(DEGF)			İ	(M/L)		(mg/L)		(mg/L)		(mg/L)										ACTIVE		CI	LORINATION		FINAL	
		(Million G	Salions)														RE	TURN SLUDGE			AE	RATION BASI	N		Sludge	Primary	Chiorine	1	Fecal	EFFLUEN	41.
	Final	Sec.										1			prim.		FLOW	TSS	TVSS	D.O	MLSS	MLVSS	SET	SVI	Wasted	Sludge	Dosage	Residual	Coliform	NH3-N	Pump.
DATE	Effluent	Effluent	Bypass	ra	w	final	raw fir	nal ra	w fin	iai raw	final		final	raw	finai	final	MG	g/L	g/L	mg/L	g/L	9/L			MG	MG	KL8S	mg/L	#/100 mi	mg/L	Hours
5/1/1	9 104	.97 1	03.11	1.86	67	67	7.4	6.6	15.0	0.2	376	39	6.2	407	196	30	22.8	9.2	7.7	11.0	4.4	3.7	159	38	1.08	0.19	2.58	0.016	94	9	24.0
5/2/1	9 138	.80 1	13.12	25.68	65	65	7.3	6.4	15.0	5.0	380	190	5.8	331	190	135	23.1	11.9	10.0	7.1	2.4	2.1	161	69	1.08	0.15	4.31	0.016	94	8	24.0
5/3/1	9 211	.74 1	20.63	91.11	67	67	7.2	6.6	6.9	4.6	218	176	1.8	153	114	111	23.0	13.7	11.3	14.3	6.7	5.6	208	31	1.05	0.23	8.16	0.016	104	5	24.0
5/4/1	9 185	.60 1	26.36	59.24	62	62	7.6	6.7	6.0	3.1	138	118	8.3	114	73	61	23.2	13.5	11.1	23.8	2.6	2.2	209	77	1.08	0.10	5.73	0.016	880	5	24.0
5/5/1	9 141	.42 1	23.22	18.20	61	61	7.4	6.8	8.5	0.4	126	39	11.0	98	54	28	23.0	13.1	10.7	26.9	2.1	1.6	173	85	1.08	0.12	4.01	0.016	56	81	24.0
5/6/1	9 111	.09 1	07.79	3.30	63	63	7.1	6.6	10.0	0.1	234	22	9.0	195	98	11	23.0	12.5	9.9	21.3	2.2	1.7	163	75	1.04	0.23	2.44	0.016	25	10	24.0
5/7/1	9 106	.04 1	04.20	1.84	66	66	7.1	6.6	35.0	0.2	372	36	6.5	331	166	28	23.2	13.4	11.0	13.0	5.1	4.1	203	39	1.08	0.18	1.75	0.016	20	5	24.0
5/8/1	9 119	.45 1	17.25	2.20	70	70	7.2	6.4	12.2	0.1	308	38	5.7	375	205	21	23.0	14.0	11.4	9.4	5.3	4.3	246	48	1.08	0.18	3.83	0.016	28	10	24.0
5/9/1	9 120	.82 1	12.78	8.04	67	67	7.1	6.6	20.0	2.3	337	120	8.2	316	245	80	23.0	14.8	12.2	4.5	2.9	2.4	248	86	1.08	0.38	3.92	0.016	67	10	24.0 24.0
5/10/1	1		05.82	3.25	64	64	7.2	6.3	12.5	1.3	312	124	5.6	298	192	67	23.2	15.2	12.3	5.0	2.9	2.4	236	79	1.07	0.27	3.82 3.65	0.016	253 84	10	8.2
5/11/1			99.00	7.75	65	65	7.4	6.5	14.5	3.7	248	178	4.8	135	212	77	23.2	14.4	11.8	9.1	3.2	2.6	286	88	1.07	0.17	5.57	0.016	20	10	l l
5/12/1	1			20.18	61	61	7.2	6.4	13.7	6.2	200	216	5.8	153	84	127	23.2	16.3	13.0	11.2	7.6	6.0	233	30 75	1.07	0.15	4.36	0.016	17	13	0.0
5/13/1	1		99.66	0.00	62	62	7.1	6.7	12.3	0.1	287	22	7.0	271	155	13	23.2	15.7	12.6	14.8	3.1	2.5	236	75	1.08 1.08	0.22	2.18	0.016	1/	14	1.6
5/14/1			88.51	0.00	65	65	7.1	6.4	14.0	0.1	353	17	6.9	330	209	14	23.2	15.7	12.6	8.5	3.5	2.9 2.9	226	76	I .		2.39	0.016	7	16	23.2
5/15/1	1		85.45	0.00	66	66	7.0	6.4	14.3	0.1	384	34	5.5	382	220	18 36	23.3	15.3	12.4 12.8	7.8 5.0	3.6 3.7	3.0	273 297	80	1.08 1.08	0.32 0.37	2.39	0.016	4	16	24.0
5/16/1	1		84.17	0.00	67	67	7.0	6.5	15.5	1.3	400	901	6.5	372 470	261 274	124	23.1 22.8	15.7 14.7	11.9		3.2	2.7	297	90	1.08	0.37	3.86	0.016	4	16	19.2
5/17/1	1		97.96	1.82	68	68	7.0	6.4	15.8	4.4	430	198	5.0	174		124	Į.	l l		1.7 6.2	3.4	2.7	280	82	1.08	0.14	3.34	0.016	30	13	0.0
5/18/1	1		09.27	1.45	68	68	7.0	6.5	12.2	9.7	320	293	3.6		206	137	23.4	14.1	11.4 11.0	12.7	3.7	3.0	284	76	1.08	0.27	3.62	0.016	87	13	2.4
5/19/1				15.93	64	64	7.1	6.4	15.0	6.0	256	130	5.6	181 252	136 136	79	23.4 23.4	13.7 16.1	13.0	15.8	3.4	2.7	241	71	1.08	0.28	4.53	0.016	50	0	24.0
5/20/1	1			27.15	66	66 67	7.2	6.4	12.5	2.5 0.1	303 387	142 21	3.9 5.8	437	231	16	23.4	16.7	13.0	8.4	4.0	3.2	353	88	1.03	0.26	3.48	0.016	4	13	14.0
5/21/1	1		75.18	0.00	67		7.2	6.4 6.4	12.9 13.8	0.1	400	22	4.9	399	248	15	23.3	15.5	12.8	5.6	6.7	5.5	324	49	1.03	0.32	2.20	0.016	37	15	0.0
5/22/1	1		74.14	0.00	71 70	71 70	7.0	6.4	15.5	2.1	444	158	7.1	407	247	81	23.3	15.4	12.6	4.1	3.4	2.8	309	90	1.07	0.32	2.95	0.016	107	19	0.0
5/23/1	1		87.77	3.38	70		1	_ 1	13.0	0.3	390	65	4.2	331	212	48	23.2	14.7	11.9	4.9	3.0	2.4	301	100	1.09	0.28	4.89	0.016	17	17	0.0
5/24/1	1		78.60	0.00	75	71 75	6.8	6.4 6.3	9.5	3.5	273	169	6.8	249	290	74	23.5	13.5	11.0	3.6	7.1	5.7	358	52	1.08	0.32	3.67	0.016	219	13	0.0
5/25/1	1		74.25	0.00	72	72	7.0	6.4	8.0	5.0	240	200	6.2	148	108	101	23.3	15.3	12.4	6.2	4.1	3.2	360	88	1.08	0.22	4.88	0.016	400	12	0.0
5/26/1	1			3.21	71	71	7.0	6.3	7.6	0.1	222	48	4.8	166	65	27	23.2	16.1	12.8	15.4	2.7	2.1	212	78	1.09	0.19	3.74	0.016	77	8	0.0
5/27/1			98.65 na.ca	0.00	72	72	7.1	6.4	10.0	0.1	278	29	6.7	290	159	22	23.0	15.9	12.6	16.1	4.7	3.7	226	47	1.08	0.24	2.35	0.016	77	13	0.0
5/28/1 5/29/1	1		93.53 06.38	45.96	71	72	6.9	6.3	7.7	2.5	387	150	5.3	240	171	59	23.3	15.6	12.3	8.5	3.2	2.5	287	88	1.08	0.26	6.29	0.016	110	11	0.0
5/30/1	1			42.33	73	73	7.0	6.6	9.5	0.6	302	60	5.8	221	100	38	23.4	15.1	11.9	12.9	2.5	2.0	199	77	1.08	0.21	7.00	0.016	100	6	0.0
5/30/1	1		18.54	9.80	71	71	7.2	6.3	7.8	0.2	250	38	4.8	277	155	30	23.2	15.3	12.2	14.2	2.7	2.0	219	81	1.08	0.31	5.25	0.016	266	7	0.0
Sum	358			421.8													718.5								33.3	7.4		1			356.5
Average	1		101.9	19.2	67	67	7.1	6.5	12.8	2.1	308.2	102.6	6.0	274.3	174.6	5 59.1	23.2	14.6	11.8	10.6	3.8	3.1	251.7	70.9	1	0.2	4.0	0.016	46.7	10.9	

SEWER CONNECTIONS

147975 TIMES 4 =

591900 SEWER POPULATION

IND. WASTER POPULATION EQ

CUSTOMERS

FLOW 507980 BOD 962140 821778 TSS

Month of May-19 Average Flow Primary Secondary SETTLING TANKS Battery A Battery B Battery C 34.01 9.67 Average Flow (MGD) 115.49 31.30 4.00 7.0 Tanks in Service 7.0 2.0 Surface Area (Ft.2) 77000.00 69075.71 60441.25 17200.42 Volume (MG) 8.33 7.08 6.19 1.76 2860.00 2862.85 2504.99 712.87 Weir Length (Ft.) Avg. Weir Overflow (GPD/Ft) 40380.22 11881.41 12496.90 13561.73 Avg. Settling Rate (GPD/Ft2) 1499.84 622.72 683.39 803.66 Avg. Detention Time 1.73 4.99 4.75 4.37 AERATION TANKS Battery A Battery B Battery C 4200000 4200000 2100000 Volume (Gallons)

JEFFERSON COUNTY, KY

43.01

2.96

2.0 2340000

0.83

41.30

3.22

13.82

5.21

Remarks: BY-PASS REPORTS (See Attached)

Avg. Flow (MGD)

Volume (Gallons)

Avg. Detention Time (Hours)

Contact Chambers in Use

Avg. Detention Time (Hours)

CHLORINE CONTACT CHAMBERS

MORRIS FORMAN WASTEWATER TREATMENT PLANT