

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

September 21, 2018

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 August 1st to August 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, and BOD or TSS Percent Removal for the reporting period.

Compromised solids handling equipment is contributing to the exceedances. Additionally, Oxygenation Battery A was removed from service for two weeks reducing plant capacity by 40%. Battery A was taken out of service for inspection and repair of two mixers in the Battery and diffusers in the Mixed Liquor Channel.

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 WQTC N	ISD	Fa	cility:		MORRIS FO	ORMAN W	VQTC	MSD	
Major:	Yes		Permittee /	Address:	700 W Liberty St Louisville, KY 40203			cility Location:		4522 ALGO LOUISVILL	NQUIN PK	KWY		
Permitted Feature:	001 External Outfall		Discharge:		001-1 MUNICIPAL DISCHARO	SE.	·							
Report Dates & Status			'											
Monitoring Period:	From 08/01/18 to 08/31/18		DMR Due I	Date:	09/28/18		Sta	atus:		NetDMR Va	alidated			
Considerations for Form Completion			'				'							
G - INFLUENTE - SECONDARY EFFLU Season not needed.	JENT1 - FINAL EFFLUENT - Parame	eter 74055	- Use Season 1 for s	summer months (May, June	e, July, August, September,	and October) a	and Season 2 for wir	iter months (Novem	ber, Dece	ember, January, Fo	ebruary Ma	arch,	and April); enter NODI=	=9 for the
Principal Executive Officer														
First Name:	James A.		Title:		Executive Director		Те	lephone:		502-540-60	00			
Last Name:	Parrott						ı							
No Data Indicator (NODI)														
Form NODI:														
Parameter	Monitoring Location	Season # F	Param. NODI	Qua	antity or Loading			Quality or Conc	entration			# of	f Ex. Frequency of Analysis	s Sample Type
Code Name				Qualifier 1 Value 1	Qualifier 2 Value 2	Units Qualif	fier 1 Value 1 Qualifi	er 2 Value 2	Qualifier 3	Value 3	Units			
00200 Owerer disselved IDO	1 F#hyant Crass	0	Sample	-		=	2.4				19 - mg/L		01/01 - Daily	GR - GRAB
00300 Oxygen, dissolved [DO]	1 - Effluent Gross	0	Permit Re Value NOI			>=	2 INST MIN				19 - mg/L		01/01 - Daily	GR - GRAB
			Sample		= 71417	26 - lb/d	=	73	=	103	19 - mg/L		01/01 - Daily	CP - COMPOS
X ₀₀₃₁₀ BOD, 5-day, 20 deg. C	E - Secondary/Biological Process Complete	0	Permit Re		Req Mon MX WK AV	26 - lb/d	<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	2	01/01 - Daily	CP - COMPOS
			Value NOI Sample		= 273994	26 - lb/d	=	339	=	392	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 WK AV	-	0	01/01 - Daily	CP - COMPOS
			Value NOI	DI										
00400 pH	1 - Effluent Gross	0	Sample Permit Re			= >=	6.3 6 MINIMUM			6.7 9 MAXIMUM	12 - SU 12 - SU		01/01 - Daily	GR - GRAB GR - GRAB
00400 рп	1 - Elliderit Gloss		Value NOI			>=	6 IVIIIVIIVIOIVI		<=	9 IVIAXIIVIOIVI	12 - 30		01/01 - Daily	GR - GRAD
			Sample		= 187346	26 - lb/d	=	152	=	270	19 - mg/L		01/01 - Daily	CP - COMPOS
X ₀₀₅₃₀ Solids, total suspended	E - Secondary/Biological Process Complete	0	- Permit Re		Req Mon MX WK AV	26 - lb/d	<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	2	01/01 - Daily	CP - COMPOS
			Value NOI Sample		= 319145	26 - lb/d	_	368	=	405	19 - mg/L		01/01 - Daily	CP - COMPOS
00530 Solids, total suspended	G - Raw Sewage Influent	0	- Permit Re					Req Mon MO AVG		Req Mon MX WK AV	-		01/01 - Daily	CP - COMPOS
			Value NOI											
00610 Nitrogen, ammonia total [as N]	E - Secondary/Biological Process Complete	0	Sample Permit Re	= 7959 Reg Mon MO AVG		26 - lb/d 26 - lb/d	= <=			13.6 30 MX WK AV	19 - mg/L 19 - mg/L		01/01 - Daily 01/01 - Daily	CP - COMPOS
Thirdgen, annionia total [as 14]	2 Cocondary/Biological 1 Tococo Complete		Value NOI		Tool mon mix vitex	20 15/4	,-	20 100 700		OO MIX WICK	10 mg/L		on bany	01 001111 00
			Sample			26 - lb/d	=			13.1	19 - mg/L		01/01 - Daily	CP - COMPOS
00610 Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	Permit Re Value NOI		Req Mon MX WK AV	26 - Ib/d		Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/01 - Daily	CP - COMPOS
			Sample		= 123.47	03 - MGD							99/99 - Continuous	CN - CONTIN
50050 Flow, in conduit or thru treatment plant	E - Secondary/Biological Process Complete	0	Permit Re		Req Mon DAILY MX	03 - MGD							99/99 - Continuous	CN - CONTIN
			Value NOI Sample	OI .					<	0.016	19 - mg/L		01/01 - Daily	GR - GRAB
50060 Chlorine, total residual	1 - Effluent Gross	0	- Permit Re	q.						.019 DAILY MX	19 - mg/L		01/01 - Daily	GR - GRAB
			Value NOI	DI										
74055 Coliform food general	1 Effluent Cross		Sample				=	1		152	13 - #/100m		01/01 - Daily	GR - GRAB
74055 Coliform, fecal general	1 - Effluent Gross		Permit Re Value NOI				<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100m	nL	01/01 - Daily	GR - GRAB
			Sample			=	79				23 - %		01/30 - Monthly	CA - CALCTD
X 81010 BOD, 5-day, percent removal	K - Percent Removal	0	- Permit Re			>=	85 MO MIN				23 - %	1	01/30 - Monthly	CA - CALCTD
			Value NOI Sample	OI .		=	59				23 - %		01/30 - Monthly	CA - CALCTD
X 81011 Solids, suspended percent removal	K - Percent Removal	0	- Permit Re	q.		>=	85 MO MIN				23 - %	1	01/30 - Monthly	CA - CALCTD
			Value NOI	DI										
Submission Note														
If a parameter row does not contain any	values for the Sample nor Effluent T	rading, the	n none of the follow	ng fields will be submitted	for that row: Units, Number	of Excursions,	Frequency of Analys	sis, and Sample Typ	e.					
Edit Check Errors														
Parameter														
Code Name		Monitorin	g Location		Field	T	ype		Des	scription			Ackı	nowledge

81011	Solids, suspended percent removal	K - Percent Removal	Quality or Concentration Sample Value 1	Soft	The provided sample value is outside the	e permit 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	. ,		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	. ,		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	e 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	e 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	e permit limit. (Error Code: 1)		Yes
Comme	ents							
Attachm	nents							
		Namo)			Туре		Size
MFWQTO	C082018MOR.pdf					pdf	87263	
Coverlette	er082018MFWQTC.pdf					pdf	29857	
August20	018_OverflowReport_MorrisForman.pdf					pdf	194403	
Report I	Last Saved By							
Morris F	Forman WQTC MSD							
User:		kessel@louisvillemsd.org						
Name:		John Kessel						
E-Mail:		kessel@louisvillemsd.org						
Date/Tim	ne:	2018-09-21 13:42 (Time Zone: -04:00)						
Report L	Last Signed By							
User:		kessel@louisvillemsd.org						
Name:		John Kessel						
E-Mail:		kessel@louisvillemsd.org						

2018-09-21 13:43 (Time Zone: -04:00)

Date/Time:

DMR Copy of Record

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Permit	
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Permit #: KY0022411

Permittee:

DMR Due Date:

Morris Forman WQTC MSD

Facility:

MORRIS FORMAN WQTC MSD

Major:

Yes

Parrott

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

4522 ALGONQUIN PKWY LOUISVILLE, KY 40211

Permitted Feature:

001 External Outfall Discharge:

001-B SECONDARY BYPASS

Report Dates & Status

Monitoring Period: From 08/01/18 to 08/31/18

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.

Exectutive Director

09/28/18

Telephone:

502-540-6000

No Data Indicator (NODI)

Last Name:

Form NODI:

Parameter	Monitoring Location	Season	# Param. NOD			Qu	antity or Loa	ding					Quality or Cond	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	Value 3	Units			
				Sample								= '	13	=	156	19 - mg/L	1	6/30 - 16 Per Month	CP - COMPOS
00310 BOD, 5-day, 20 deg. C	1 - Effluent Gross	0		Permit Req								ı	Req Mon MO AVG	i	Req Mon MX WK AV	19 - mg/L	V	VH/DS - When Discharging	CP - COMPOS
				Value NOD															
				Sample								= '	87	=	233	19 - mg/L	1	6/30 - 16 Per Month	CP - COMPOS
00310 BOD, 5-day, 20 deg. C	F - Primary/Prelimary Process Complete	0		Permit Req								F	Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	١	VH/DS - When Discharging	CP - COMPOS
				Value NOD															
				Sample								= 2	219	=	284	19 - mg/L	1	6/30 - 16 Per Month	CP - COMPOS
00530 Solids, total suspended	1 - Effluent Gross	0		Permit Req								ı	Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	١	VH/DS - When Discharging	CP - COMPOS
				Value NOD															
				Sample								= 2	209	=	254	19 - mg/L	1	6/30 - 16 Per Month	CP - COMPOS
00530 Solids, total suspended	F - Primary/Prelimary Process Complete	0		Permit Req								ı	Req Mon MO AVG	i	Req Mon MX WK AV	19 - mg/L	٧	VH/DS - When Discharging	CP - COMPOS
· ·				Value NOD															
				Sample								= '	0.3	=	11	19 - mg/L	1	6/30 - 16 Per Month	CP - COMPOS
00610 Nitrogen, ammonia total [as N]	1 - Effluent Gross	0		Permit Req								ı	Req Mon MO AVG	i	Req Mon MX WK AV	19 - mg/L	٧	VH/DS - When Discharging	CP - COMPOS
				Value NOD									•						
				Sample								= '	3.6	=	17.3	19 - mg/L	1	6/30 - 16 Per Month	CP - COMPOS
00610 Nitrogen, ammonia total [as N]	F - Primary/Prelimary Process Complete	e 0		Permit Req								ı	Reg Mon MO AVG		Reg Mon MX WK AV	19 - mg/L	١	VH/DS - When Discharging	CP - COMPOS
			Value NOD											·					
				Sample	= 18	3.73	= 9	94.8	03 - MGD								1	6/30 - 16 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	i F	Reg Mon MX WK AV	03 - MGD								V	VH/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.

User:

Report Last Saved By

Morris Forman WQTC MSD

kessel@louisvillemsd.org

Name: John Kessel

E-Mail: kessel@louisvillemsd.org

Date/Time: 2018-09-21 13:42 (Time Zone: -04:00)

Report Last Signed By

User: kessel@louisvillemsd.org

Name: John Kessel

E-Mail: kessel@louisvillemsd.org

Date/Time: 2018-09-21 13:43 (Time Zone: -04:00)



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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	02933	7900 SHELBYVILLE 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	2965184		08/16/2018	BROWN	MITCHELL	DOCUMENTED	03/04/2008	LACK OF	UNAUTHORIZED	08/16/18 06:47	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	63,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	DISCLN WO #2966553
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 PERMANENT OVERFLOW ADVISORY SIGNS POSTED ALONG THE CREEK TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.

8/17/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/17/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



DISREV			
KPDES #	Facility ID	Water Quality Treatement Center	Receiving Stream of Trea

7900 SHELBYVILLE RD

Receiving Stream of Treatment Center

Region

MSD0278 KY0022411

MORRIS FORMAN

OHIO RIVER

WEST

Facility Type Facility ID **Facility Address** If Pump Station, Name of Pump Station:

MIDDLE FORK BEARGRASS CREEK

Receiving Stream

Discharge to

STREAM

Activity Code / Description : DISREV: RAIN EVENT

SMH Sewer Manhole

Ref No

02935

WO #

Initiated Initiated By

Assigned To MITCHELL

Disch Status DOCUMENTED

Event Date 03/19/2008

Problem LACK OF

Result UNAUTHORIZED

Completed 08/16/18 06:45 Condition

2965181 08/16/2018 **BROWN** DISCHARGE SYSTEM **DISCHAGE - WATERS**

CAPACITY

Discharge Reporting:

Discharge Amount:	10,500 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEANING NEEDED MANHOLE DISCHARGING DIRECTLY INTO THE CREEK.
Control Zone:	CAUTION TAPE AND TEMP DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING DIRECTLY INTO THE CREEK.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVERFLOW ADVISORY SIGNS POSTED ALONG THE CREEK TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.

8/17/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/17/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



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 Man	hole 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>	Result	Completed	Condition
: DISREV: RAIN EVENT	2965195		08/16/2018	BROWN	MITCHELL	DOCUMENTED	02/25/2011	LACK OF	UNAUTHORIZED	08/16/18 04:10	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	6,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	CLEAN UP NOT NEEDED, NO SOLID OR DEBRIS OBSERVED.
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS AND A BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING NO SOLIDS OR DEBRIS OBSERVED.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

8/17/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/17/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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DISREV	
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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	08427	4313 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>	Result	Completed	Condition
: DISREV: RAIN EVENT	2965196		08/16/2018	BROWN	MITCHELL	DOCUMENTED	02/25/2011	LACK OF	UNAUTHORIZED	08/16/18 04:05	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	6,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	CLEAN UP NOT NEEDED, NO SOLID OR DEBRIS OBSERVED.
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS AND A BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING NO SOLIDS OR DEBRIS OBSERVED.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMPORARY AND PERMANENT SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

8/17/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/17/18 1:00 am	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	2965197		08/16/2018	BROWN	MITCHELL	DOCUMENTED	06/22/2011	LACK OF	UNAUTHORIZED	08/16/18 04:09	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	6,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	CLEAN UP NOT NEEDED, NO SOLID OR DEBRIS OBSERVED.
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND A BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING NO SOLIDS OR DEBRIS OBSERVED.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

8/17/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/17/18 1:00 am	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
SSL Sewer Service Line	085100290046A	4332 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	2965201		08/16/2018	BROWN	MITCHELL	DOCUMENTED	12/05/2011	LACK OF	UNAUTHORIZED	08/16/18 04:09	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	5,800 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#2965213
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND A BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	CLEAN OUT DISCHARGING IN THE YARD.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND PERMANENT SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.

Notifications:

8/17/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG,
		SAYRE.DENNIS@EPAMAIL.EPA.GOV

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ΚP	DES	#

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

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	<u>WO #</u>	Ref No Initiated	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	2965071	08/16/2018	BROWN	MITCHELL	DOCUMENTED	11/29/2001	LACK OF	UNAUTHORIZED	08/17/18 10:00	
DISCHARGE							SYSTEM	DISCHAGE - WATERS	AM	
							CAPACITY			

Discharge Reporting:

Discharge Amount:	150 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED, MANHOLE IS DISCHARGING DIRECTLY INTO CREEK.
Control Zone:	NO CONTROL ZONE SET, PIPE DISCHARGES DIRECTLY TO STREAM.
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 DIRECT
	CONTACT WITH DISCHARGED CONTENT.

8/17/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/17/18 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	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	2958042		08/01/2018	BROWN	MITCHELL	DOCUMENTED	01/24/2002	LACK OF	UNAUTHORIZED	08/01/18 07:15	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	13,584 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEAN UP REQUIRED.MH DISCHARGED DIRECTLY INTO THE CREEK.
Control Zone:	NONE NEEDED DICHARGING FROM SUMERGED PIPE DIRECTLY INTO CREEK.
Impact:	NONE OBSERVED NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT SIGNS TO AVOID DISCHARGE.

8/2/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/2/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION





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	2964985		8/16/2018	MITCHELL	BROWN	DOCUMENTED	01/24/2002	LACK OF	UNAUTHORIZED	08/16/18 06:45	
DISCHARGE			7:45:00AM					SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	792,000 GAL				
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.				
Clean Up: NO CLEAN UP NEEDED, PIPE IS SUMERGED. AND DISCHARGES DIRECTLY INTO THE CREEK.					
Control Zone:	NO CONTROL ZONE WAS ESTABLISHED DUE TO THE SIZE OF THE CREEK AND DIFFICULTY ACCESSING DISCHARGE AREAS.				
Impact:	NOTIFICATION RECEIVED FROM REMOTE ALARM.				
Repair:	LOCATION INCLUDED IN THE IOAP.				
Public Notification: PUBLIC NOTIFIED THROUGH DOOR HANGERS AND PERMANENT SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.					

8/1	6/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/1	6/18 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 2967055 **BROWN** 8/19/2018 MITCHELL DOCUMENTED 01/24/2002 LACK OF : DISREVRAIN EVENT UNAUTHORIZED 08/20/18 03:00

DISCHARGE 10:15:00PM SYSTEM DISCHAGE - WATERS PM

CAPACITY

Discharge Reporting:

Discharge Amount:	52,481 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEAN UP NEEDED, PIPE IS SUMERGED. AND DISCHARGES DIRECTLY INTO THE CREEK.
Control Zone:	NO CONTROL ZONE WAS ESTABLISHED DUE TO THE SIZE OF THE CREEK AND DIFFICULTY ACCESSING DISCHARGE AREAS.
Impact:	NOTIFICATION RECEIVED FROM REMOTE ALARM.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND PERMANENT SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.

8/20/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/20/18 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	23211	3302 TROUT CREEK DR		SOUTH 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	2965086		08/16/2018	BROWN	MITCHELL	DOCUMENTED	02/22/2000	LACK OF	UNAUTHORIZED	08/16/18 04:27	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	22,500 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	DISCLN WO#2965485
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND A BARRICADE.
Impact:	MANHOLE DISCHARGING LIGHT DEBRIS.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVERFLOW ADVISORY SIGNS POSTED ALONG THE CREEK, TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.

8/17/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/17/18 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	26752	3317 BROWNSBORO RD		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	2964926		08/16/2018	BROWN	MITCHELL	DOCUMENTED	04/04/2008	LACK OF	UNAUTHORIZED	08/16/18 10:30	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	AM	
								CAPACITY			

Discharge Reporting:

Disabassa Assaust.	0.050.041
Discharge Amount:	2,850 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED, MANHOLE DISCHARGING DIRECTLY INTO CREEK.
Control Zone:	BARRICADES AND CAUTION TAPE WERE PLACED AROUND IMPACTED AREA.
Impact:	MANHOLE DISCHARGING, DIRECTLY INTO THE CREEK.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTFIIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND PERMANENT SIGNS ALONG THE
	CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

B/16/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/16/18 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	28250	3506 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	2965077		08/16/2018	BROWN	MITCHELL	DOCUMENTED	01/03/2005	LACK OF	UNAUTHORIZED	08/16/18 09:50	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	15,125 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NONE CLEAN UP NEEDED, NO SOLID OR DEBRIS OBSERVED.
Control Zone:	CAUTION TAPE AND TEMP DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING NO SOLID OR DEBRIS OBSERVED.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND PERMANENT SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.

8/17/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION
8/17/18 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	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	2965013		08/16/2018	BROWN	MITCHELL	DOCUMENTED	08/30/2005	LACK OF	UNAUTHORIZED	08/16/18 09:30	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	51,150 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	CLEAN UP NOT NEEDED NO SOLID OR DEBRIS OBSERVED.
Control Zone:	CAUTION TAPE, TEMP DISCHARGE SIGNS, AND A BARRICADE.
Impact:	MANHOLE DISCHARGING NO SOLID OR DEBRIS OBSERVED.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT SIGNS TO AVOID DISCHARGED CONTENT.

8/16/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/16/18 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	28340	3620 CHARLANE PKY		CHENOWETH RUN	GROUND

Activity Code / Description	WO# Re	ef No Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT	2965019	08/16/2018	BROWN	MITCHELL	DOCUMENTED	01/03/2005	LACK OF	UNAUTHORIZED	08/16/18 09:35	
DISCHARGE							SYSTEM	DISCHAGE - WATERS	PM	
							CAPACITY			

Discharge Reporting:

Discharge Amount:	51,150 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	CLEAN UP NOT NEEDED, NO SOLID OR DEBRIS OBSERVED.
Control Zone:	CAUTION TAPE AND TEMP DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING NO SOLID OR DEBRIS OBSERVED.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT SIGNS TO AVOID DISCHARGED CONTENT.

8/16/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/16/18 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	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	2964991		08/16/2018	BROWN	MITCHELL	DOCUMENTED	12/19/2002	LACK OF	UNAUTHORIZED	08/16/18 02:19	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	13,700 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	DISCLN WO#2965857
Control Zone:	BARRICADES AND CAUTION TAPE WERE PLACED AROUND IMPACTED AREA.
Impact:	MANHOLE DISCHARGING LIGHT DEBRIS.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND PERMANENT SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.

B/16/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/16/18 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	28416	3501 MARLIN DR		CHENOWETH RUN	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT	2965056		08/16/2018	BROWN	MITCHELL	DOCUMENTED	04/04/2008	LACK OF	UNAUTHORIZED	08/16/18 02:15	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	1,225 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	DISCLN WO#2969482
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 PERMANENT SIGNS TO AVOID DISCHARGED CONTENT.

8/17/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/17/18 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	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	2965001		08/16/2018	BROWN	MITCHELL	DOCUMENTED	10/28/2015	LACK OF	UNAUTHORIZED	08/16/18 02:25	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	6,925 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	CLEAN UP NOT NEEDED, NO SOLID OR DEBRIS OBSERVED.
Control Zone:	CAUTION TAPE AND TEMP DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING NO SOLIDS OR DEBRIS OBSERVED.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND PERMANENT SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.

8/16/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/16/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



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	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	2964995		08/16/2018	BROWN	MITCHELL	DOCUMENTED	10/28/2015	LACK OF	UNAUTHORIZED	08/16/18 09:27	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	16,500 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	CLEAN UP NOT NEEDED, NO SOLID OR DEBRIS OBSERVED.
Control Zone:	CAUTION TAPE AND TEMP DISCHARGE SIGNS WERE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING NO SOLID OR DEBRIS OBSERVED.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND PERMANENT SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.

B/16/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/16/18 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	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	2965214		08/16/2018	BROWN	MITCHELL	DOCUMENTED	05/10/2014	LACK OF	UNAUTHORIZED	08/17/18 09:10	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	AM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	19,500 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEAN UP REQUIRED , DISCHARGED DIRECTLY INTO THE CREEK.
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND A BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING DIRECTLY INTO THE CREEK.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVERFLOW ADVISORY SIGNS POSTED ALONG THE CREEK, TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.

8/17/18 1:0	00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/17/18 1:0	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	2964863		08/16/2018	BROWN	MITCHELL	DOCUMENTED	09/02/2003	LACK OF	UNAUTHORIZED	08/17/18 08:55	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	AM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	211,500 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	DISCLN WO#2965450
Control Zone:	BARRICADES AND CAUTION TAPE WERE PLACED AROUND IMPACTED AREA.
Impact:	HEAVY DEBRIS DISCHARGING FROM MANHOLE & FLOWING INTO THE CREEK.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.

8/16/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/16/18 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	45900	1122 ROSTREVOR CIR		HAWKINS RILL	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	2964986		08/16/2018	BROWN	MITCHELL	DOCUMENTED	12/27/2015	LACK OF	UNAUTHORIZED	08/16/18 03:30	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	6,800 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	DISCLN WO#2965865
Control Zone:	BARRICADES, TEMP SIGS AND CAUTION TAPE WERE PLACED AROUND IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND PERMANENT SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.

8/16/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/16/18 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	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	2965179		08/16/2018	BROWN	MITCHELL	DOCUMENTED	12/05/2011	LACK OF	UNAUTHORIZED	08/16/18 06:55	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	315,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	DISCLN WO#2966552
Control Zone:	CAUTION TAPE AND TEMP DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING MEDIUM DEBRIS.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVERFLOW ADVISORY SIGNS POSTED ALONG THE CREEK, TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.

8/17/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/17/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



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	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	2965171		08/16/2018	BROWN	MITCHELL	DOCUMENTED	02/06/2008	LACK OF	UNAUTHORIZED	08/16/18 06:55	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	31,500 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	DISCLN WO#2966552
Control Zone:	CAUTION TAPE AND TEMP DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING, LIGHT DEBRIS.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT SIGNS TO AVOID DISCHARGED CONTENT.

8/17/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/17/18 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	47593	8021 CHRISTIAN CT		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	2965192		08/16/2018	BROWN	MITCHELL	DOCUMENTED	03/19/2008	LACK OF	UNAUTHORIZED	08/16/18 12:46	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	20,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED, MANHOLE IS DISCHARGING DIRECTLY INTO CREEK.
Control Zone:	NO CONTROL ZONE WAS ESTABLISHED DUE TO THE SIZE OF THE CREEK AND DIFFICULTY ACCESSING DISCHARGE AREAS.
Impact:	MANHOLE DISCHARGING, DEBRIS INTO THE CREEK.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVERFLOW ADVISORY SIGNS POSTED ALONG THE CREEK, TO AVOID DIRECT
	CONTACT WITH DISCHARGED CONTENT.

8/17/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/17/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



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	51160	3305 INDIAN CREEK 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	2965099		08/16/2018	BROWN	MITCHELL	DOCUMENTED	04/04/2008	LACK OF	UNAUTHORIZED	08/16/18 04:30	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	7,050 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	DSCLN WO#2966539
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND A 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 AVOID CONTACT WITH DISCHARGED CONTENT.

8/17/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/17/18 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	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	2964947		08/16/2018	BROWN	MITCHELL	DOCUMENTED	09/12/2006	LACK OF	UNAUTHORIZED	08/16/18 03:12	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	8,550 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	DISCLN WO#2965488
Control Zone:	BARRICADES AND CAUTION TAPE WERE PLACED AROUND IMPACTED AREA.
Impact:	MANHOLE DISCHARGING, DEBRIS FLOWING INTO THE CREEK.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND PERMANENT SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.

8/16/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/16/18 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	65633	4640 BARBOUR LN		LITTLE GOOSE 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
: DISDW: DRY WEATHER	2971178		08/24/2018	CATALANO JR	ASHLEY	REPAIRED -	08/24/2018	MECHANICAL	UNAUTHORIZED	08/24/18 03:51	
DISCHARGE						ISSUE		FAILURE	DISCHAGE - WATERS	PM	
						RESOLVED					

Discharge Reporting:

Discharge Amount:	4,800 GAL
Cause:	GATE VALVE FAILURE ON ORFM.
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE/WATER DISCHARGING FROM MANHOLE.
Repair:	REPAIRS TO VALVE UNDERWAY.
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

8/25/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG,
		SAYRE.DENNIS@EPAMAIL.EPA.GOV



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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	72289	1700 SULGRAVE RD		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	2964910		08/16/2018	BROWN	MITCHELL	DOCUMENTED	05/29/2012	LACK OF	UNAUTHORIZED	08/16/18 02:05	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	54,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	DISCLN WO#2965212
Control Zone:	BARRICADES AND CAUTION TAPE WERE PLACED AROUND IMPACTED AREA.
Impact:	MANHOLE DISCHARGE, DEBRIS INTO THE CREEK.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTFIIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND PERMANENT SIGNS ALONG THE
	CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

B/16/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/16/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



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	84155	7913 SHELBYVILLE RD		MIDDLE 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	2965200		08/16/2018	BROWN	MITCHELL	DOCUMENTED	03/10/2011	LACK OF	UNAUTHORIZED	08/16/18 06:55	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	54,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	DISCLN WO#2965214
Control Zone:	BARRICADES AND CAUTION TAPE WERE PLACED AROUND IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVERFLOW ADVISORY SIGNS POSTED ALONG THE CREEK, TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.

8/17/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG,
		SAYRE.DENNIS@EPAMAIL.EPA.GOV



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 N	fanhole 90700	8021 CHRISTIAN CT		MIDDLE FORK BEARGRASS CREEK	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	2965185		08/16/2018	BROWN	MITCHELL	DOCUMENTED	03/19/2008	LACK OF	UNAUTHORIZED	08/16/18 06:50	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	21,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	DISCLN WO#2965216
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 DOOR HANGERS AND PERMANENT SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.

8/17/18 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	CSO020	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
: DISDW: DRY WEATHER	2962582		08/10/2018	DODDS	DODDS	REPAIRED -	08/10/2018	STRUCTURAL	UNAUTHORIZED	08/10/18 08:06	
DISCHARGE						ISSUE		FAILURE	DISCHAGE - WATERS	AM	
						RESOLVED					

Discharge Reporting:

Discharge Amount:	886,413 GAL
Cause:	PLANNED OUTAGE TO INSTALL TEMPORARY BULKHEAD IN ORI FOR REPAIRS.
Clean Up:	DISCHARGE UNDERWATER, NO CLEANUP POSSIBLE.
Control Zone:	PERMANENT SIGNS POSTED.
Impact:	NONE OBSERVED.
Repair:	PLANNED OUTAGE TO TERMINATE AT 0800.
Public Notification:	WEBSITE UPDATED.

8/10/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/10/18 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	CSO022	342 W MAIN 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
: DISDW: DRY WEATHER	2962766		08/10/2018	DODDS	DODDS	DOCUMENTED	01/04/2004	STRUCTURAL	UNAUTHORIZED	08/10/18 07:00	
DISCHARGE								FAILURE	DISCHAGE - WATERS	PM	

Discharge Reporting:

Discharge Amount:	3,000,000 GAL
Cause:	DISCHARGING AT CSO022 DURING RECOVERY FROM OVERNIGHT SHUTDOWN RELATED TO ORI EMERGENCY REPAIR. DISCHARGE UP TO 1 FT OVER WEIR, EST 2-4 MG.
Clean Up:	NONE, DISCHARGE SUBMERGED.
Control Zone:	PERMANENT OVERFLOW SIGNS IN PLACE.
Impact:	NONE, DISCHARGE SUBMERGED.
Repair:	CSO DISCHARGE WILL STOP WHEN STARKEY RETURNS TO NORMAL OPERATING CONDITIONS.
Public Notification:	WEBSITE UPDATED.

8/10/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/10/18 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 DODDS 2963488 8/14/2018 DODDS DOCUMENTED 01/04/2004 STRUCTURAL : DISDWDRY WEATHER UNAUTHORIZED 08/14/18 09:22 DISCHARGE 9:02:00AM **FAILURE DISCHAGE - WATERS** AM

Discharge Reporting:

Discharge Amount:	5,700 GAL
Cause:	TEMPORARY PUMP STATION AT 4TH AND RIVER ROAD. FLOW OVERTOPPED DIVERSION STRUCTURE.
Clean Up:	NONE, DISCHARGE SUBMERGED.
Control Zone:	PERMANENT SIGNS INSTALLED.
Impact:	NONE, DISCHARGE SUBMERGED.
Repair:	ADDIING HEIGHT TO DIVESRION STRUCTURE TO INCREASE OPERATIONAL FLEXIBILITY.
Public Notification:	PERMANENT SIGNS INSTALLED.

8/14/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/14/18 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 Activity Code / Description** Ref No Completed Condition Result DODDS 2963807 8/15/2018 DODDS DOCUMENTED 01/04/2004 STRUCTURAL : DISDWDRY WEATHER UNAUTHORIZED 08/15/18 01:14 DISCHARGE 8:36:00AM **FAILURE DISCHAGE - WATERS** PM

Discharge Reporting:

Discharge Amount:	782,000 GAL
Cause:	TEMPORARY PUMP STATION RELATED TO ORI REPAIR, LOST A VFD.
Clean Up:	NONE POSSIBLE, DISCHARGE SUBMERGED.
Control Zone:	PERMANENT SIGNS POSTED.
Impact:	NONE, DISCHARGE SUBMERGED.
Repair:	VFD CURRENTLY BEING REPLACED BY CONTRACTOR.
Public Notification:	WEBSITE UPDATED.

8/15/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/15/18 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	CSO200	1397 S 3RD 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
: DISDW: DRY WEATHER	2975778		08/30/2018	LINTON	LINTON	REPAIRED -	08/30/2018	OBSTRUCTION-N	UNAUTHORIZED	08/30/18 01:16	
DISCHARGE						ISSUE		OT GREASE /	DISCHAGE - WATERS	PM	
						RESOLVED		ROOTS			

Discharge Reporting:

Discharge Amount:	330 GAL
Cause:	CSO CREWS COMPLETING WEEKLY NMC MAINTENANCE.
Clean Up:	NO CLEANUP REQUIRED, NO SOLIDS OR DEBRIS OBSERVED.
Control Zone:	PERMANENT OVERFLOW WARNING SIGNS POSTED ALONG THE OUTFALL.
Impact:	NO SOLIDS OR DEBRIS OBSERVED. A MINIMAL AMOUNT OF CLEAN WATER OVERTOPPED THE DAM AS CREWS CLEANED THE BAR SCREEN.
Repair:	NO REPAIR/REMEDIAL ACTION REQUIRED.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVERFLOW WARNING SIGNS.

8/31/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG,
		SAYRE.DENNIS@EPAMAIL.EPA.GOV



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	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	2964852		08/16/2018	BROWN	MITCHELL	DOCUMENTED	08/01/1969	LACK OF	UNAUTHORIZED	08/16/18 03:15	
DISCHARGE								SYSTEM	DISCHAGE - WATERS	PM	
								CAPACITY			

Discharge Reporting:

Discharge Amount:	6,493,073 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED, DISCHARGE WENT DIRECTLY INTO CREEK.
Control Zone:	NONE NEEDED, MANHOLE DISCHARGES DIRECTLY INTO CREEK.
Impact:	NONE OBSERVED REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PERMANENT OVERFLOW ADVISORY SIGNS ARE POSTED ALONG THE CREEK.

8/16/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/16/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



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
SLS Sewer Lift Station MSD0123-PS 6600 SEMINARY WOODS PL WEST GOOSE CREEK GOOSE CREEK DITCH

WO # **Problem Activity Code / Description** Ref No Initiated **Initiated By Assigned To Disch Status Event Date** Completed Condition Result : DISREV: RAIN EVENT 2965130 08/16/2018 GOODWIN BRAZEL REPAIRED -08/16/2018 **MECHANICAL** UNAUTHORIZED 08/16/18 03:11 DISCHARGE **ISSUE FAILURE DISCHAGE - WATERS** PM **RESOLVED**

Discharge Reporting:

Discharge Amount:	2,500 GAL
Cause:	ELECTRICAL PROBLEM WITH MSD EQUIPMENT/ASSET, 2 TIMERS WERE NON FUNCTIONAL.
Clean Up:	AREA DISINFECTED WITH LIME.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE FOUND AROUND MANHOLE.
Repair:	REPLACED 2 BAD TIMERS FOR THE 1ST & 2ND LAG PUMP CONTROLLER.
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

Notifications:

8/17/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/17/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 34

Total Work Orders Printed: 38

9/17/2018 Page 38 of 38 11:04:26 AM

Format: Month/Day/Year
Enter Start Date: 8/1/18

MORRIS FORMAN WATER QUALITY TREATMENT CENTER KPDES PERMIT NO. KY0022411 PLANT CAPACITY - JEFFERSON COUNTY, KENTUCKY

MONTH OF

August-18

120 MGD RECEIVING STREAM-OHIO RIVER

			ſ		TEMP	1	pН		SETS	TSS		D.O.		5-DAY BOD																
	WAS	STEWATER FLO	ws		(DEGF)				(ML)	(mg/L)		(mg/L)		(mg/L)										ACTIVE		СН	ILORINATION		FINAL	
		(Million Gallons)														RET	URN SLUDG	E		AE	RATION BASIN	4		Sludge	Primary	Chlorine		Fecal	EFFLUENT	r
,	Final	Sec.												prim.		FLOW	TSS	TVSS	D.O	MLSS	MLVSS	SET	SVI	Wasted	Sludge	Dosage	Resid	Coliform	NH3-N	Pump.
DATE	Effluent	Effluent B	ypass	aw	final	+ ,	nai	raw				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	raw	final	final	MG	g/L	g/L	mg/L_	g/L	g/L			MG	MG	KLBS	mg/L	#/100 ml	mg/L	Hours
8/1/18	148.09		24.62	78	78	6.8	6.3	5.0	0.2	290	79		252	128	55	25.6	20.5	16.5	15.3	3.8	3.1	231	61	1.15	0.14	3.85	0.016	470	4.5	0.0
8/2/18	107.26		0.61	77	77	6.9	6.3	4.5	0.1	211	20		244	152	13	25.8	20.5	16.4	14.2	3.2	2.6	221	69	1.37	0.29	2.87	0.016	241	7.0	0.0
8/3/18	87.59		0.00	78	78	6.6	6.4	15.0	0.1	448	17	5.8	447	224	9	25.9	16.3	13.0	4.7	3.8	3.0	260	68	1.37	0.43	2.46	0.016	12	7.0	0.0
8/4/18	72.28		0.00	79	79	6.8	6.4	13.0	0.2	368	52	6.2	326	207	25	26.1	17.4	13.9	3.5	7.3	5.8	268	36	1.37	0.09	2.68	0.016	40	7.1	0.0
8/5/18	67.82		0.00	80	80	7.3	6.4	13.0	0.1	296	12	5.5	141	123	10	26.0	19.4	14.8	11.6	4.8	3.6	281	57	1.28	0.07	2.34	0.016	2	11.6	0.0
8/6/18	73.55		0.00	78	78	7.1	6.7	15.0	0.2	480	11	4.7	406	216	10	25.8	19.2	14.5	14.0	7.6	5.8	251	33	1.37	0.17	2.67	0.016	34	18.8	0.0
8/7/18	75.92		0.00	81	81	7.0	6.5	12.5	0.2	384	28	5.4	437	213	25	25.7	20.8	15.8	7.8	4.3	3.2	256	58	1.35	0.20	3.76	0.016	18	16.9	0.0
8/8/18	124.24		21.28	79	79	7.1	6.4	6.9	5.6	320	284	3.7	374	233	156	26.0	21.5	16.0	4.4	4.7	3.6	232	49	1.37	0.18	8.01	0.016	755	10.6	0.0
8/9/18	74.96		0.00	79 00	79 80	6.8 7.4	6.4	6.5	0.1	352	23	3	439	239	19	26.0	21.3	16.1	6.4	3.7	2.8	255	68	1.33	0.12	4.56	0.016	230	11.3	0.0
8/10/18	63.63		0.00	80 81	81	7.4	6.4	2.5 8.0	0.2 0.6	316 308	32 75	4.9 4.8	226	266	22 35	25.7	20.1	15.3	6.2 7.0	5.1	3.9	277 277	54	1.34	0.18	4.06	0.016	80	12.3	0.0
	76.40		0.00	81	81	6.9	6.5 6.4	5.0	0.8	376	39		521 416	255 205	28	25.7 25.9	22.3	17.7	6.1	4.9 9.6	3.7 7.4	285	56	1.37	0.19 0.17	4.80	0.016	88	14.7	0.0
8/12/18 8/13/18	71.82 83.56		0.00	79	79	6.7	6.4	6.8	4.2	360	174	5.6	385	238	76	25.8	22.8	16.8 17.6	4.3	5.0	3.9	283	29 56	1.35	0.17	5.12 5.88	0.016	307 38	13.81 14.7	0.0
8/14/18	81.70		0.00	79	79	6.7	6.4	7.4	4.2	404	276		382	229	117	25.9	25.4	19.7	3.5	5.3	4.2	268	50	1.37	0.12	6.54	0.016	129	16.8	0.0
8/15/18	120.61		23.81	79	79	6.7	6.3	13.5	10.3	472	392	2.5	498	301	228	25.9	25.8	19.9	1.6	5.5	4.1	329	62	1.35	0.18	7.96	0.016	162	17.2	0.0
8/16/18	216.04		94.80	79	79	6.5	6.3	3.5	4.5	180	240	3.8	107	95	130	25.8	27.5	21.0	6.9	6.4	5.0	189	31	1.33	0.21	8.19	0.016	57	6.3	0.0
8/17/18	170.13		52.90	79	79	7.1	6.5	3.1	1.2	150	100	3.9	210	145	78	25.9	23.6	18.3	19.7	5.1	4.0	168	34	1.34	0.23	5.56	0.016	2300	4.8	0.0
8/18/18	108.81		5.46	78	78	7.1	6.4	5.1	0.4	218	50	5.3	286	145	38	25.9	25.1	19.3	14.5	3.8	2.9	182	48	1.36	0.21	6.17	0.016	56	6.4	0.0
8/19/18	85.59		0.00	80	80	6.9	6.5	10.0	0.1	276	18		178	173	16	25.6	22.5	17.3	13.2	3.7	2.8	194	53	1.23	0.37	6.04	0.016	5	7.2	0.0
8/20/18	132.04		23.37	79	79	6.8	6.3	9.2	2.0	312	128		226	168	67	25.5	21.0	16.4	11.9	3.7	3.0	189	50	1.36	0.33	8.23	0.016	176	7.3	0.0
8/21/18	119.82	104.03	15.79	80	80	7.1	6.4	14.2	2.1	484	138	4.1	291	145	39	25.6	20.5	15.8	12.5	5.4	4.2	152	28	1.32	0.21	7.89	0.016	42	6.9	0.0
8/22/18	94.85	87.77	7.08	78	78	7.1	6.4	12.8	6.1	320	288	4.3	309	179	101	25.6	22.2	17.0	4.9	4.5	3.5	184	41	1.14	0.17	7.28	0.016	88	9.0	0.0
8/23/18	84.59	83.90	0.69	76	76	6.9	6.3	7.8	4.7	324	276	5.0	331	225	136	25.8	25.9	20.0	2.1	4.1	3.1	188	45	1.19	0.26	5.88	0.016	46	10.9	0.0
8/24/18	91.21	86.00	5.21	77	77	7.0	6.5	13.0	10.0	404	418	4.9	414	230	175	25.7	25.4	19.7	2.8	3.8	3.0	170	44	1.33	0.12	4.58	0.016	60000	11.8	0.0
8/25/18	79.00	78.79	0.21	77	77	6.6	6.4	12.0	1.7	404	185	4.8	336	221	78	25.7	25.4	19.8	5.4	4.4	3.5	185	42	1.37	0.12	3.72	0.016	7	9.6	0.0
8/26/18	79.40	79.40	0.00	78	78	7.1	6.3	12.3	1.8	340	206	5.2	250	155	90	25.4	26.2	20.6	4.4	4.8	3.8	197	41	1.31	0.11	4.02	0.016	170	8.2	0.0
8/27/18	84.62	82.72	1.90	80	80	6.9	6.3	16.7	2.9	532	230	5.4	419	167	99	25.5	26.1	20.4	3.8	4.4	3.5	185	42	1.24	0.28	5.08	0.016	34	13.9	0.0
8/28/18	80.42	80.42	0.00	79	79	6.9	6.5	14.9	2.5	508	263	4.1	424	228	141	25.4	25.4	19.9	3.0	4.6	3.6	189	41	0.64	0.33	9.57	0.016	88	16.2	0.0
8/29/18	79.69	78.73	0.96	76	76	6.9	6.3	15.3	3.3	532	277	2.4	397	215	191	25.8	26.8	21.1	2.1	6.5	5.2	198	30	0.00	0.14	9.94	0.016	4	19.3	0.0
8/30/18	68.14	68.14	0.00	79	79	6.8	6.3	17.5	3.4	596	293	3.6	475	218	154	25.8	25.7	20.7	2.3	4.9	3.9	234	47	0.13	0.25	6.82	0.016	60000	20.5	0.0
8/31/18	97.74	76.80	20.94	77	77	7.0	6.4	14.0	8.4	436	400	3.4	362	235	222	25.8	25.3	20.1	1.8	4.7	3.8	237	50	0.44	0.26	5.19	0.016	60000	19.5	0.0
Sum Average	3001.5 96.8	2701.9 67.2	299.6 18.7	78.	6 78.6	6.9	6.4	10.2	26	367.8	162.1	4.8	339.0	199.1	83.3	798.6 25.8	23.0	17.8	7.3		20	226.3	47.5	36.838	6.337	F. E	0.0	409.4	41.7	0.0
VARINGE	30.5	1 07.2	10.7	76.	78.0	1 6.9	0.4	10.2	2.6	307.6	102.1	4.8	338.01	T.881	03.3	₹5.6	Z3.0	17.8		[0.0	3.9	220.3	47.5	1.2	0.2	5.5	0.0	123.4	11.7	

802629

SEWER CONNECTIONS

147822 TIMES 4 =

591288 SEWER POPULATION

IND. WASTER POPULATION EQ CUSTOMERS

FLOW 343605 BOD 1014864

TSS

MACRET	CORMAN	WASTEWATER	TREATMENT	ΡΙ ΔΝΤ

PLANT JEFFERSON COUNTY, KY

INICIALIZATION I	TIAGRETIA EN TRESTIVIENT
Month of	Aug-18

	Primary		Secondary	
SETTLING TANKS		Battery A	Battery B	Battery C
Average Flow (MGD)	98.16	3.77	33.12	13.99
Tanks in Service	3.00	8.0	6.0	4.0
Surface Area (Ft.2)	77000.00	67685.36	60550.00	34600.00
Volume (MG)	8.33	6.93	6.20	3.54
Weir Length (Ft.)	2860.00	2805.23	2509.50	1434.00
Avg. Weir Overflow (GPD/Ft)	34323.00	1345.10	13198.18	9754.64
Avg. Settling Rate (GPD/Ft2)	1274.85	218.26	712.15	542.11
Avg. Detention Time	2.04	44.10	4.49	6.08

AERATION TANKS	Battery A	Battery B	Battery C
Volume (Gallons)	4200000	4200000	2100000
Avg. Flow (MGD)	14.77	43.12	18.76
Avg. Detention Time (Hours)	26.71	3.04	3.60

CHLORINE CONTACT CHAMBERS

Contact Chambers in Use 2.0
Volume (Gallons) 2220725
Avg. Detention Time (Hours) 7.06

Remarks: BY-PASS REPORTS (See Attached)