

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

December 17, 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 November 1<sup>st</sup> to November 30th 2019 are provided through NetDMR. The Morris Forman Water Quality Treatment Center (MFWQTC) did not meet 30 day TSS, 7 day TSS, 30 day BOD, 7 day BOD, TSS and BOD percent removal for the reporting period.

Compromised solids handling equipment is contributing to our effluent exceedances. MSD is currently working with a 3rd party consultant to create a biosolids revitalization project that will overhaul our solids handling process. MFWQTC continues to employee Liquid Oxygen purchases in effort to assist in meeting permit requirements.

Quarterly Acute Toxicity testing was performed December 2, 2019 on the final effluent with a passing result.

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

Sincerely,

Alex E. Novak, P.E. Treatment Facilities Director

DMR	Copy of Record														
Permi	it			_											
Permi	t #:	KY0022411		Permittee:			Morris	Forman WQTC N	ISD			Facili	ty:		
Major	:	Yes		Permittee A	ddress:			/ Liberty St ⁄ille, KY 40203				Facili	ty Location:		
Permi	tted Feature:	001 External Outfall		Discharge:			<b>001-1</b> MUNI	CIPAL DISCHAR	θE						
Repor	rt Dates & Status														
Monite	oring Period:	From 11/01/19 to 11/30/19		DMR Due D	ate:		12/28	/19				Statu	s:		
Consi	iderations for Form Completion														
	FLUENTE - SECONDARY EFFLU n not needed.	JENT1 - FINAL EFFLUENT - Parame	ter 74055 - Use S	Season 1 for s	ummer mo	onths (May, Jur	ne, July, Au	gust, September,	and Oct	ober) and	Season 2	for winter	months (Noven	nber, Deo	cembe
Princi	ipal Executive Officer											_			
First N	Name:	James A		Title:			Execu	tive Director				Telep	hone:		
Last N	lame:	Parrott										·			
No Da	ata Indicator (NODI)														
Form	NODI:														
	Parameter	Monitoring Location	Season # Param. N	IODI			uantity or Lo	-					Quality or Cond		
Code	Name			Comple	Qualifier 1	Value 1	Qualifier 2	Value 2	Units		Value 1 2.4	Qualifier 2	Value 2	Qualifier	3
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	Sample Permit Reg						= >=	2.4 2 INST MIN				
				Value NOD											
				Sample		68784	=	92180	26 - lb/d			=	89	=	106
X 0031	<sub>0</sub> BOD, 5-day, 20 deg. C	E - Secondary/Biological Process Complete	0	Permit Req Value NOD		Req Mon MO AV	G	Req Mon MX WK AV	26 - lb/d			<=	30 MO AVG	<=	45 N
				Sample		366882	=	548924	26 - lb/d			=	506	=	817
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	Permit Req		Req Mon MO AV	G	Req Mon MX WK AV	26 - lb/d				Req Mon MO AVG	6	Req
				Value NOD	1						<u> </u>				0.0
00400	рН	1 - Effluent Gross	0	Sample Permit Reg						= >=	6.2 6 MINIMUM			= <=	6.6 9 MA
				Value NOD											
				Sample		120594	=	180636	26 - lb/d			=	149	=	184
X 0053	0 Solids, total suspended	E - Secondary/Biological Process Complete	0	Permit Req Value NOD		Req Mon MO AV	G	Req Mon MX WK AV	26 - lb/d			<=	30 MO AVG	<=	45 N
				Sample		270264	=	304643	26 - lb/d			=	350	=	423
00530	Solids, total suspended	G - Raw Sewage Influent	0	Permit Req		Req Mon MO AV	G	Req Mon MX WK AV	26 - lb/d				Req Mon MO AVG	6	Req
				Value NOD		7000		7004	00 11-/-1				0.7		40.0
00610	Nitrogen, ammonia total [as N]	E - Secondary/Biological Process Complete	0	Sample Permit Req		7006 Req Mon MO AV0	= G	7391 Req Mon MX WK AV	26 - lb/d 26 - lb/d			= <=	9.7 20 MO AVG	= <=	12.2 30 M
				Value NOD											
				Sample		10659	=	11863	26 - lb/d			=	14.3	=	17.4
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	Permit Req Value NOD		Req Mon MO AV	G	Req Mon MX WK AV	26 - lb/d				Req Mon MO AVG	6	Req
				Sample		90.15	=	105.01	03 - MGE	)					
50050	Flow, in conduit or thru treatment plant	E - Secondary/Biological Process Complete	0	Permit Req		Req Mon MO AV	G	Req Mon DAILY MX	03 - MGE	)					
				Value NOD	1										0.04
50060	Chlorine, total residual	1 - Effluent Gross	0	Sample Permit Req										< <=	0.01 .019
				Value NOD	-										
				Sample								-	143	=	359
74055	Coliform, fecal general	1 - Effluent Gross	2	Permit Req Value NOD								<=	1000 30DA GEO	<=	2000
				Sample						=	83				
X 8101	0 BOD, 5-day, percent removal	K - Percent Removal	0	Permit Req						>=	85 MO MIN				
				Value NOD	1						57				

#### Submission Note

X 81011 Solids, suspended percent removal K - Percent Removal

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* 

Sample

Permit Req.

Value NODI

0

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	Parameter	Manitoring Logotion	Field	Tuno	Deserinti
Code	Name	Monitoring Location	Field	Туре	Descripti

## MORRIS FORMAN WQTC MSD 4522 ALGONQUIN PKWY LOUISVILLE, KY 40211

#### NetDMR Validated

ecember, January, February March, and April); enter NODI=9 for the

502-540-6000

			# of Fx	Frequency of Analysis	Sample Type
r 3	Value 3	Units	# 01 EX.		campie Type
		19 - mg/L		01/01 - Daily	GR - GRAB
		19 - mg/L		01/01 - Daily	GR - GRAB
				,	
	106	19 - mg/L		01/01 - Daily	CP - COMPOS
	45 MX WK AV	19 - mg/L	2	01/01 - Daily	CP - COMPOS
	817	19 - mg/L		01/01 - Daily	CP - COMPOS
	Req Mon MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMPOS
	6.6	12 - SU		01/01 - Daily	GR - GRAB
	9 MAXIMUM	12 - SU	0	01/01 - Daily	GR - GRAB
	184	19 - mg/L		01/01 - Daily	CP - COMPOS
	45 MX WK AV	19 - mg/L	2	01/01 - Daily	CP - COMPOS
	423	19 - mg/L		01/01 - Daily	CP - COMPOS
	Req Mon MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMPOS
	12.2	19 - mg/L		01/01 - Daily	CP - COMPOS
	30 MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMPOS
	47 4	10		04/04 D-14	
	17.4 Bog Mon MX W/K AV/	19 - mg/L		01/01 - Daily 01/01 - Daily	CP - COMPOS CP - COMPOS
	Req Mon MX WK AV	19 - mg/L	U	01/01 - Dally	CF - COIVIFUS
				99/99 - Continuous	CN - CONTIN
			0	99/99 - Continuous	CN - CONTIN
			U	SS/SS Continuous	
	0.016	19 - mg/L		01/01 - Daily	GR - GRAB
	.019 DAILY MX	19 - mg/L	0	01/01 - Daily	GR - GRAB
	359	13 - #/100mL		01/01 - Daily	GR - GRAB
	2000 7 DA GEO	13 - #/100mL	0	01/01 - Daily	GR - GRAB
		23 - %		01/30 - Monthly	CA - CALCTD
		23 - %	1	01/30 - Monthly	CA - CALCTD
		23 - %		01/30 - Monthly	CA - CALCTD
		23 - %	1	01/30 - Monthly	CA - CALCTD

iption

57

85 MO MIN

=

>=

Acknowledge

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
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
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
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

#### Comments

Attachments			
	Name	Туре	Size
MFWQTCMOR122019.pdf		pdf	89433
MorrisForman.pdf		pdf	122594
MWQTCoverletter122019.pdf		pdf	31209
Report Last Saved By			
Morris Forman WQTC MSD			
User:	kessel@louisvillemsd.org		
Name:	John Kessel		
E-Mail:	kessel@louisvillemsd.org		
Date/Time:	2019-12-18 12:41 (Time Zone: -05:00)		
Report Last Signed By			
User:	kessel@louisvillemsd.org		
Name:	John Kessel		
E-Mail:	kessel@louisvillemsd.org		
Date/Time:	2019-12-18 12:42 (Time Zone: -05:00)		

# DMR Copy of Record

Permit																	
Permit #:	KY0022411			Permittee	:		Morr	is Forman WQTC	MSD			Facility:		MORRIS	FORMAN W	VQTC MSD	
Major:	Yes			Permittee Address:			700 W Liberty St Louisville, KY 40203				Facility Location:			4522 ALGONQUIN PKWY LOUISVILLE, KY 40211			
Permitted Feature:	001 External Outfall			Discharge	):		<b>001-</b> SEC	<b>B</b> ONDARY BYPAS	SS								
Report Dates & Status																	
Monitoring Period:	From 11/01/19 to 11/30/19			DMR Due	Date:		12/2	8/19				Status:		NetDMR	Validated		
Considerations for Form Completi	on			1							'						
MONITORING DURING PERIODS C	F SECONDARY BYPASS IN AD		TO REGULA	AR MONITO	RING.1 - F	INAL EFFLUE	ENTF - SEC	ONDARY BYPA	SS AFTE	R PRIMAR	YTREATME	NT.					
Principal Executive Officer																	
First Name:	James A.			Title:			Exec	utive Director				Telephone:		502-540-	6000		
Last Name:	Parrott			THUC.			Exec				I	relephone.		002 0 10	0000		
	T anou																
No Data Indicator (NODI)																	
Form NODI: Parameter	 Monitoring Location	Saasan	# Param. NOD			01	uantity or Loa	ading				Quality or Con	contration		# 0	f Ex. Frequency of Analysis	Sample Type
Code Name	Monitoring Education	Season	# Farani. NOL		Qualifier 1	Value 1	Qualifier 2	-	Units	Qualifier 1 V	/alue 1 Qualifie		Qualifier 3	Value 3	Units	EX. Frequency of Analysis	Sample Type
				Sample							=	136	= 1:	57	19 - mg/L	12/30 - Twelve Per Month	CP - COMPOS
00310 BOD, 5-day, 20 deg. C	1 - Effluent Gross	0		Permit Req.								Req Mon MO AVO	B R	eq Mon MX WK AV	/ 19 - mg/L 0	WH/DS - When Discharging	J CP - COMPOS
				Value NODI Sample							=	309	= 50	36	19 - mg/L	12/30 - Twelve Per Month	
00310 BOD, 5-day, 20 deg. C	F - Primary/Prelimary Process Complete	e 0		Permit Req.							_	Reg Mon MO AVO		eq Mon MX WK AV		WH/DS - When Discharging	
				Value NODI													
				Sample							=	224	= 28		19 - mg/L	12/30 - Twelve Per Month	
00530 Solids, total suspended	1 - Effluent Gross	0		Permit Req. Value NODI								Req Mon MO AVC	i R	eq Mon MX WK AV	/ 19 - mg/L 0	WH/DS - When Discharging	, CP - COMPOS
				Sample							=	263	= 2	77	19 - mg/L	12/30 - Twelve Per Month	CP - COMPOS
00530 Solids, total suspended	F - Primary/Prelimary Process Complete	te 0 -		Permit Req.								Req Mon MO AVO	B R	eq Mon MX WK AV	/ 19 - mg/L 0	WH/DS - When Discharging	CP - COMPOS
				Value NODI											10 /		
00610 Nitrogen, ammonia total [as N]	1 - Effluent Gross	0		Sample Permit Reg.							=	8.3 Reg Mon MO AVO		).6 eq Mon MX WK AV	19 - mg/L / 19 - mg/L 0	12/30 - Twelve Per Month WH/DS - When Discharging	
		Ū		Value NODI											i i i i i i i i i i i i i i i i i i i	White Which Disonarging	
				Sample							=	13.7	= 20	).8	19 - mg/L	12/30 - Twelve Per Month	CP - COMPOS
00610 Nitrogen, ammonia total [as N]	F - Primary/Prelimary Process Complete	€ 0		Permit Req.								Req Mon MO AVO	6 R	eq Mon MX WK AV	/ 19 - mg/L 0	WH/DS - When Discharging	CP - COMPOS
				Value NODI Sample	_ 3	21.6	_	30	03 - MGD							12/30 - Twelve Per Month	
50050 Flow, in conduit or thru treatment plant	F - Primary/Prelimary Process Complete	e 0		Permit Req.		Req Mon MO AVO		Req Mon MX WK AV							0	WH/DS - When Discharging	
				Value NODI													
Submission Note																	
If a parameter row does not contain a	any values for the Sample nor Effl	uent Trac	ding, then no	one of the fo	llowing fiel	ds will be subr	mitted for th	nat row: Units, Nu	Imber of E	Excursions,	Frequency of	of Analysis, and Sa	ample Type.				
Edit Check Errors																	
No errors.																	
Comments																	

Attachments	
No attachments.	
Report Last Saved By	
Morris Forman WQTC MSD	
User:	kessel@louisvillemsd.org
Name:	John Kessel
E-Mail:	kessel@louisvillemsd.org
Date/Time:	2019-12-18 12:42 (Time Zone: -05:00)
Report Last Signed By	
User:	kessel@louisvillemsd.org
Name:	John Kessel
E-Mail:	kessel@louisvillemsd.org
Date/Time:	2019-12-18 12:42 (Time Zone: -05:00)



KPDES # Facility		Water Quality Trea	tement Center	Receiving Strea	Receiving Stream of Treatment Center				
KY0022411	<b>ID</b> MSD0278	MORRIS FORMAN		C	HIO RIVER	WEST			
Facility Type SMHSewer Manhole	Facility ID 02933	Facility Address 7900 SHELBYVILLE RD	If Pump Station, Nam	e of Pump Station:	Receiving Stream MIDDLE FORK BEARGRASS	Discharge to STREAM			
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO # Ref No</u> 3181507	Initiated Initiated By Assigned To 11/30/2019 DAVIS BROWNMITCHELL		vent Date 3/04/2008 LACK OF SYSTEM C		mpleted <u>Condition</u> (01/19 06:10 1 MAIN			

Discharge Amount:	72,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181648
Control Zone:	IMPACTED AREA SECURED WITH CAUTION TAPE AND TEMP DISCHARGE SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION	



KPDES #	Facility ID	Water Quality Trea	atement Center	Receiving Strea	m of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN		C	HIO RIVER	WEST
Facility Type SMHSewer Manhole	Facility ID 02935	Facility Address 7900 SHELBYVILLE RD	If Pump Station, Nam	e of Pump Station:	Receiving Stream MIDDLE FORK BEARGRASS	Discharge to STREAM
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	WO # Ref No 3181506	Initiated Initiated By Assigned T 11/30/2019 DAVIS BROWNMITCHELL		Event Date Problem 03/19/2008 LACK OF SYSTEM C		Dimpleted Condition 2/01/19 06:05 M MAIN

Discharge Amount:	19,200 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181647.
Control Zone:	IMPACTED AREA SECURED WITH CAUTION TAPE AND TEMP DISCHARGE SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water Quality Tre	eatement Center	Receiving Str	eam of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN			OHIO RIVER	WEST
Facility Type	Facility ID	Facility Address	If Pump Station, Nam	e of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	08426	4315 PRUITT CT			SOUTH FORK BEARGRASS C	REEK GROUND
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO # Ref No</u> 3181443	Initiated Initiated By Assigned 11/30/2019 DAVIS BROWNMITCHELL		Event Date Problem 02/25/2011 LACK OI SYSTEM		<u>Completed</u> <u>Condition</u> 12/01/19 03:04 PM
						MAIN

Discharge Amount:	40,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181656.
Control Zone:	IMPACTED AREA SECURED WITH BARRICADES AND TEMP SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTFIIED THROUGH TEMP DISCHARGE SIGNS AT DISCHARGE SITE AND DOOR CARDS TO AVOID CONTACT WITH DISCHARGED CONTENT.

Notifications:			
11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION	T



KPDES #	Facility ID	Water Quality T	reatement Center	Receiving Str	eam of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN			OHIO RIVER	WEST
Facility Type	Facility ID	Facility Address	If Pump Station, Nar	ne of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	08427	4313 PRUITT CT			SOUTH FORK BEARGRASS	CREEK GROUND
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO # Ref No</u> 3181444	Initiated Initiated By Assigned 11/30/2019 DAVIS BROWNMITCHE		Event Date Problem 02/25/2011 LACK OF SYSTEM		<u>Completed</u> <u>Condition</u> 12/01/19 03:08 PM
						MAIN

Discharge Amount:	320,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181657.
Control Zone:	IMPACTED AREA SECURED WITH BARRICADES AND TEMP SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTFIIED THROUGH TEMP DISCHARGE SIGNS AT DISCHARGE SITE AND DOOR CARDS TO AVOID CONTACT WITH DISCHARGED CONTENT.

Notifications:		
11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water Quality Tre	atement Center	Receiving Strea	m of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN		Oł	HO RIVER	WEST
Facility Type	Facility ID	Facility Address	If Pump Station, Nam	e of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	08429	4337 PRUITT CT			BUECHEL BRANCH	GROUND
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO # Ref No</u> 3181454	Initiated Initiated By Assigned 11/30/2019 DAVIS BROWNMITCHELL		vent Date 5/03/2019 LACK OF SYSTEM CA		00000000000000000000000000000000000000
						MAIN

Discharge Amount:	15,900 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181659.
Control Zone:	IMPACTED AREA SECURED WITH BARRICADES, CAUTION TAPE AND TEMP DISCHARGE SIGN.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION	



KPDES #	Facility ID	Water Quality Trea	atement Center	Receiving Str	eam of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN			OHIO RIVER	WEST
Facility Type	Facility ID	Facility Address	If Pump Station, Nam	e of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	08430	4341 PRUITT CT			SOUTH FORK BEARGRASS (	CREEK GROUND
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO #</u> <u>Ref No</u> 3181455	Initiated Initiated By Assigned T 11/30/2019 DAVIS BROWNMITCHELL		Event Date D6/22/2011 D6/22/2011 LACK OI SYSTEM		Completed Condition 12/01/19 03:27 PM
						MAIN

Discharge Amount:	159,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181660.
Control Zone:	IMPACTED AREA SECURED WITH BARRICADES, CAUTION TAPE AND TEMP DISCHARGE SIGN.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION	



KPDES #	Facility ID	Water Quality Trea	tement Center	Receiving St	ream 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
SSLSewer Service Line	085100290046A	4332 PRUITT CT			SOUTH FORK BEARGRASS CRE	EEK GROUND
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	WO # Ref No Initiated   3181453 11/30/201	Initiated By Assigned T 9 DAVIS BROWNMITCHELL		vent Date Problem 2/05/2011 LACK O SYSTEN		mpleted <u>Condition</u> 01/19 03:30
						MAIN

Discharge Amount:	79,250 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181658.
Control Zone:	IMPACTED AREA SECURED WITH BARRICADES, CAUTION TAPE AND TEMP DISCHARGE SIGN.
Impact:	CLEANOUT DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION	



KPDES #	Facility ID	Water Quality Trea	tement Center	Receiving Strea	am of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN		С	DHIO RIVER	WEST
Facility Type SMHSewer Manhole	Facility ID 08935-SM	Facility Address 1001 BRECKENRIDGE LN	If Pump Station, Nan	ne of Pump Station:	Receiving Stream MIDDLE FORK BEARGRAS	Discharge to
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO # Ref No</u> 3181447	Initiated Initiated By Assigned T 11/30/2019 DAVIS BROWNMITCHELL		Event Date Problem 11/29/2001 LACK OF SYSTEM C		2/01/19 01:14 PM MAIN

Discharge Amount:	1,612,271 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED, MANHOLE IS DISCHARGING DIRECTLY INTO CREEK.
Control Zone:	ONTROL ZONE WAS NOT ESTABLISHED NO PUBLIC ACCESS TO THE DISCHARGE SITE.
Impact:	NONE OBSERVED OVER FLOW NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION IN IOAP.
Public Notification:	PUBLIC NOTFIIED THROUGH PERM SIGNS AT DISCHARGE SITE AND PERMANENT SIGNS ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION	



KPDES #	Facility ID	Water Quality Tre	atement Center	Receiving Str	eam of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN			OHIO RIVER	WEST
Facility Type	Facility ID	Facility Address	If Pump Station, Nam	ne of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	23211	3302 TROUT CREEK DR			SOUTH FORK BEARGRASS C	REEK STREAM
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO # Ref No</u> 3181477	Initiated Initiated By Assigned 11/30/2019 DAVIS BROWNMITCHELL		Event Date D2/22/2000 LACK OF SYSTEN		2/01/19 03:18 M
						MAIN

Discharge Amount:	109,950 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181661.
Control Zone:	SECURED IMPACTED AREA WITH TEMP DISCHARGE SIGNS, STAKES & CAUTION TAPE.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION	



KPDES #	Facility ID	Water Quality Treat	ement Center	Receiving St	ream of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN			OHIO RIVER	WEST
Facility Type	Facility ID	Facility Address	If Pump Station, Nar	ne of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	23212	2001 TERRIL LN			SOUTH FORK BEARGRASS CR	EEK GROUND
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO # Ref No</u> 3181515	 Initiated By Assigned To DAVIS BROWNMITCHELL		Event DateProblem04/04/2008LACK OSYSTEM		
						MAIN

Discharge Amount:	32,175 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181663.
Control Zone:	IMPACTED AREA SECURED WITH CAUTION TAPE AND TEMP SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION	



KPDES #	Facility ID	Water Quality Trea	atement Center	Receiving Stre	am of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN		(	OHIO RIVER	WEST
Facility Type SMHSewer Manhole	Facility ID 26752	Facility Address 3317 BROWNSBORO RD	If Pump Station, Nar	ne of Pump Station:	Receiving Stream MUDDY FORK BEARGRAS	Discharge to S DITCH
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO # Ref No</u> 3181514	Initiated Initiated By Assigned T 11/30/2019 DAVIS BROWNMITCHELL		Event Date Problem 01/14/2013 LACK OF SYSTEM (		Completed Condition 1/30/19 03:30 PM MAIN

Discharge Amount:	6,600 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED PIPE DISCHARGES DIRECTLY TO THE CREEK.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHED DUE TO THE INABILITY TO ACCESS THE DISCHARGE SITE.
Impact:	NONE OBSERVED OVER FLOW NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDE IN IOAP.
Public Notification:	PERMANENT SIGNS ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID		Water Quality Treat	ement Center	Receiving Stre	am of Treatment Center	Region
KY0022411	MSD0278		MORRIS FORMAN		(	DHIO RIVER	WEST
Facility Type	Facility ID		Facility Address	If Pump Station, Nan	ne of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	27012		2408 GRAY FOX RD			MIDDLE FORK BEARGRAS	S STREAM
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO # Ref No</u> 3181433	<u>Initiated</u> 11/30/2019	Initiated By Assigned To DAVIS BROWNMITCHELL		Event Date 03/09/2019 LACK OF SYSTEM (		
							MAIN

Discharge Amount:	135,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181641.
Control Zone:	IMPACTED AREA SECURED WITH CAUTION TAPE AND TEMP DISCHARGE SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTFIIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND PERMANENT SIGNS ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

Notifications:		
11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water Quality Treat	tement Center	Receiving Stream	n of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN		OF	IIO RIVER	WEST
Facility Type SMHSewer Manhole	Facility ID 28250	Facility Address 3506 CHARLANE PKY	If Pump Station, Name	of Pump Station:	Receiving Stream CHENOWETH RUN	Discharge to
Activity Code / Description		Initiated Initiated By Assigned To	<u>Disch Status</u>	vent Date Problem		Completed Condition
: DISREV: RAIN EVENT DISCHARGE	3181448	11/30/2019 DAVIS BROWNMITCHELL	DOCUMENTE 0 <sup>7</sup> D	I/03/2005 LACK OF SYSTEM CA	UNAUTHORIZED PAC DISCHARGE-WATER	12/01/19 07:55 AM MAIN

Discharge Amount:	34,230 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	WO#3181638.
Control Zone:	IMPACTED AREA SECURED WITH CAUTION TAPE, BARRICADES, AND TEMP SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water Quality T	reatement Center	Receiving Strea	m of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN		Oł	HO RIVER	WEST
Facility Type	Facility ID	Facility Address	If Pump Station, Nar	ne of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	28336	9707 WILLOWWOOD	WAY		CHENOWETH RUN	DITCH
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO #</u> <u>Ref No</u> 3181428	Initiated Initiated By Assigned 11/30/2019 DAVIS BROWNMITCHE		Event Date 08/30/2005 LACK OF SYSTEM CA		Completed Condition 2/01/19 07:45 M
						MAIN

Discharge Amount:	35,375 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181636.
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION	Τ



KPDES #	Facility ID	Water Quality Tr	eatement Center	Receiving Strea	m of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN		OI	HIO RIVER	WEST
Facility Type	Facility ID	Facility Address	If Pump Station, Nan	ne of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	28340	3620 CHARLANE PKY			CHENOWETH RUN	GROUND
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO #</u> <u>Ref No</u> 3181427	Initiated Initiated By Assigned 11/30/2019 DAVIS BROWNMITCHEI		Event Date Problem 01/03/2005 LACK OF SYSTEM C/		Completed Condition 12/01/19 07:40 AM
						MAIN

Discharge Amount:	56,200 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181635.
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION	Τ



KPDES #	Facility ID	Water Quality Tr	reatement Center	Receiving Strea	m of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN		0	HIO RIVER	WEST
Facility Type	Facility ID	Facility Address	If Pump Station, Nar	ne of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	28415	3406 DELL RD			CHENOWETH RUN	GROUND
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO #</u> <u>Ref No</u> 3181429	Initiated Initiated By Assigned 11/30/2019 DAVIS BROWNMITCHEL		Event Date 12/19/2002 Problem LACK OF SYSTEM C/		Completed Condition   2/01/19 07:35 M
						MAIN

Discharge Amount:	28,800 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181637.
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	Τ
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION	Τ



KPDES #	Facility ID	Water Quality Tre	eatement Center	Receiving Strea	m of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN		Oł	HO RIVER	WEST
Facility Type	Facility ID	Facility Address	If Pump Station, Nam	e of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	28451	3406 CHARLANE PKY			CHENOWETH RUN	GROUND
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO #</u> <u>Ref No</u> 3181426	Initiated Initiated By Assigned 11/30/2019 DAVIS BROWNMITCHELI		vent Date 0/28/2015 LACK OF SYSTEM CA		ompleted <u>Condition</u> 2/01/19 07:52 M
						MAIN

Discharge Amount:	42,900 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181634.
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION	Τ



KPDES #	Facility ID	Water Quality Trea	atement Center	Receiving Strea	am of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN		O	HIO RIVER	WEST
Facility Type	Facility ID	Facility Address	If Pump Station, Nar	ne of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	28452	3402 CHARLANE PKY			CHENOWETH RUN	DITCH
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO # Ref No</u> 3181421	Initiated Initiated By Assigned T   11/30/2019 DAVIS BROWNMITCHELL		Event Date 11/30/2019 LACK OF SYSTEM C		Completed Condition 12/01/19 07:51 AM
						MAIN

7,200 GAL
LACK OF SYSTEM CAPACITY - HEAVY RAIN.
WO#3181633.
CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
MANHOLE DISCHARGING.
LOCATION INCLUDED IN IOAP.
PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION	Τ



KPDES #	Facility ID	Water Quality Tre	atement Center	Receiving Strea	m of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN		0	HIO RIVER	WEST
Facility Type	Facility ID	Facility Address	If Pump Station, Na	me of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	28453	3402 CHARLANE PKY			CHENOWETH RUN	DITCH
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO # Ref No</u> 3181419	Initiated Initiated By Assigned 11/30/2019 DAVIS BROWNMITCHELL		Event DateProblem10/28/2015LACK OFSYSTEM C		Completed Condition 12/01/19 07:50 AM MAIN

Discharge Amount:	158,400 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181632.
Control Zone:	CAUTION TAPE AND TEMP DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDE IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR CARDS, AND TEMP SIGNS AT DISCHARGE SITE TO AVOID CONTACT WITH DISCHARGED CONTENT.

11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION	Τ



KPDES #	Facility ID	Water Quality Trea	tement Center	Receiving Strea	m of Treatment Cente	er Region
KY0022411	MSD0278	MORRIS FORMAN		O	HIO RIVER	WEST
Facility Type	Facility ID	Facility Address	If Pump Station, Nam	ne of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	43472	8409 SABERDEE DR			GOOSE CREEK	DITCH
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO #</u> <u>Ref No</u> 3181416	Initiated Initiated By Assigned To 11/30/2019 CATALANO JR BRAZEL		Event Date 03/04/2008 Problem LACK OF SYSTEM C/	Result UNAUTHORIZED APAC DISCHARGE-WATEF	Completed Condition   12/01/19 12:14 AM

Discharge Amount:	13,200 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	MSD CLEAN AND SANITIZE AREA.
Control Zone:	PLACED TEMPORARY SIGNS IN AREA.
Impact:	SEWAGE ON GROUND.
Repair:	SITE FOUND DURING RAIN EVENT RECON.
Public Notification:	PLACED TEMPORARY SIGNS IN AREA.

11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION	



KPDES #	Facility ID	Water Quality Trea	tement Center	Receiving Strea	m of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN		0	HIO RIVER	WEST
Facility Type	Facility ID	Facility Address	If Pump Station, Nan	ne of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	45796	1011 ALTA CIR			MIDDLE FORK BEARGRASS	DITCH
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO #</u> <u>Ref No</u> 3181435	Initiated Initiated By Assigned To 11/30/2019 DAVIS BROWNMITCHELL		Event Date D5/10/2014 DACK OF SYSTEM C		mpleted <u>Condition</u> /01/19 05:45 /
						MAIN

Discharge Amount:	360,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181642.
Control Zone:	IMPACTED AREA SECURED WITH BARRICADES, CAUTION TAPE AND TEMP DISCHARGE SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTFIIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND PERMANENT SIGNS ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

Notifications:		
11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water Quality Trea	tement Center	Receiving Strea	am of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN		C	HIORIVER	WEST
Facility Type SMHSewer Manhole	Facility ID 47582	Facility Address	If Pump Station, Nam	e of Pump Station:	Receiving Stream	Discharge to STREAM
Activity Code / Description	WO # Ref No	Initiated Initiated By Assigned To		<u>vent Date</u> Problem	Result <u>Co</u>	mpleted <u>Condition</u>
: DISREV: RAIN EVENT DISCHARGE	3181505	11/30/2019 DAVIS BROWNMITCHELL	DOCUMENTE 1 D	2/05/2011 LACK OF SYSTEM C	UNAUTHORIZED 12 APAC DISCHARGE-WATER AM	/01/19 06:00 1 MAIN

Discharge Amount:	72,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181646.
Control Zone:	IMPACTED AREA SECURED WITH CAUTION TAPE AND TEMP DISCHARGE SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION	



KPDES #	Facility ID	Water Quality Trea	atement Center	Receiving Strea	am of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN		0	HIORIVER	WEST
Facility Type	Facility ID	Facility Address	If Pump Station, Nan	ne of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	47583	202 OXMOOR LN			MIDDLE FORK BEARGRAS	SS STREAM
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO #</u> <u>Ref No</u> 3181504	Initiated Initiated By Assigned T   11/30/2019 DAVIS BROWNMITCHELL		Event Date 02/06/2008 LACK OF SYSTEM C		Completed <u>Condition</u> 12/01/19 06:00 AM
						MAIN

Discharge Amount:	320,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181644.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHED DUE TO FLOODING.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION	



KPDES #	Facility ID	Water Quality Trea	atement Center	Receiving Strea	am of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN		C	HIO RIVER	WEST
Facility Type	Facility ID	Facility Address	If Pump Station, Nan	ne of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	47593	8021 CHRISTIAN CT			MIDDLE FORK BEARGRASS	GROUND
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO #</u> <u>Ref No</u> 3181511	Initiated Initiated By Assigned To 11/30/2019 DAVIS BROWNMITCHELL		Event Date 03/19/2008 LACK OF SYSTEM C		Displayed Condition 2/01/19 06:15 M
						MAIN

Discharge Amount:	96,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181655.
Control Zone:	IMPACTED AREA SECURED WITH CAUTION TAPE AND TEMP DISCHARGE SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP SIGNS TO AVOID DISCHARGED CONTENT.

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES # Facility		Water Quality Tre	Water Quality Treatement Center R		Receiving Stream of Treatment Center		
KY0022411	MSD0278	MORRIS FORMAN			OHIO RIVER	WEST	
Facility Type	Facility ID	Facility Address	If Pump Station, Nan	ne of Pump Station:	Receiving Stream	Discharge to	
SMHSewer Manhole	51160	3305 INDIAN CREEK CT			SOUTH FORK BEARGRASS	CREEK GROUND	
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO # Ref No</u> 3181478	Initiated Initiated By Assigned 11/30/2019 DAVIS BROWNMITCHELI		Event DateProblem04/04/2008LACK OISYSTEM		Completed Condition 12/01/19 02:13 PM MAIN	

Discharge Amount:	36,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181662.
Control Zone:	SECURED IMPACTED AREA WITH TEMP DISCHARGE SIGNS, STAKES & CAUTION TAPE.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION	



KPDES # Facility		Water Quality Trea	tement Center	Receiving Strea	r Region		
KY0022411	<b>ID</b> MSD0278	MORRIS FORMAN		OHIO RIVER		WEST	
Facility Type	Facility ID	Facility Address	If Pump Station, Nan	ne of Pump Station:	Receiving Stream	Discharge to	
SMHSewer Manhole	65633	4640 BARBOUR LN			LITTLE GOOSE CREE	K STREAM	
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO #</u> <u>Ref No</u> 3181491	InitiatedInitiated ByAssigned To11/30/2019CATALANO JR MULLINS		Event Date 11/30/2019 LACK OF SYSTEM C/	Result UNAUTHORIZED APAC DISCHARGE-WATER	Completed 22/01/19 12:36 AM	

Discharge Amount:	66,600 GAL	
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.	
Clean Up:	NONE POSSIBLE DUE TO MAGNITUDE OF STORM.	
Control Zone:	TEMPORARY SIGNS HAVE BEEN POSTED.	
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND AROUND MANHOLE.	
Repair:	SITE FOUND DURING RAIN EVENT RECON - WILL BE MONITORED AND EVALUATED FOR REPAIR.	
Public Notification:	TEMPORARY SIGNS HAVE BEEN POSTED.	

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water Quality Treat	tement Center	Receiving Strea	am of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN		O	HIORIVER	WEST
Facility Type	Facility ID	Facility Address	If Pump Station, Name	of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	72289	1700 SULGRAVE RD			MIDDLE FORK BEARGRASS	GROUND
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO #</u> <u>Ref No</u> 3181436	Initiated Initiated By Assigned To   11/30/2019 DAVIS BROWNMITCHELL		ent Date Problem /29/2012 LACK OF SYSTEM C		mpleted <u>Condition</u> 30/19 07:30
						MAIN

Discharge Amount:	36,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181643.
Control Zone:	IMPACTED AREA SECURED WITH BARRICADES, CAUTION TAPE AND TEMP DISCHARGE SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTFIIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND PERMANENT SIGNS ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

/	lotifications:		
1	1/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
1	1/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water Quality Trea	tement Center	Receiving Strea	am of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN		O	HIORIVER	WEST
Facility Type	Facility ID	Facility Address	If Pump Station, Nam	e of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	84155	7913 SHELBYVILLE RD			MIDDLE FORK BEARGRASS	GROUND
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO # Ref No</u> 3181510	Initiated Initiated By Assigned To 11/30/2019 DAVIS BROWNMITCHELL		Event Date D3/10/2011 LACK OF SYSTEM C		ompleted <u>Condition</u> 2/01/19 06:15 M
						MAIN

Discharge Amount:	72,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181654.
Control Zone:	IMPACTED AREA SECURED WITH BARRICADES CAUTION TAPE AND TEMP DISCHARGE SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP SIGNS TO AVOID DISCHARGED CONTENT.

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION	



KPDES #	Facility ID	Water Quality Trea	tement Center	Receiving Strea	m of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN		0	HIO RIVER	WEST
Facility Type	Facility ID	Facility Address	If Pump Station, Nam	e of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	90700	8021 CHRISTIAN CT			MIDDLE FORK BEARGRASS	CATCH BASIN
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO # Ref No</u> 3181508	Initiated Initiated By Assigned To 11/30/2019 DAVIS BROWNMITCHELL		<u>Vent Date</u> 03/19/2008 LACK OF SYSTEM C		npleted <u>Condition</u> 01/19 06:10
						MAIN

Discharge Amount:	19,200 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181651.
Control Zone:	IMPACTED AREA SECURED WITH BARRICADES CAUTION TAPE AND TEMP DISCHARGE SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP SIGNS TO AVOID DISCHARGED CONTENT.

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION	



KPDES #	Facility ID	Water Quality Trea	atement Center	Receiving Strea	am of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN		C	DHIO RIVER	WEST
Facility Type SMHSewer Manhole	Facility ID	Facility Address 1201 OLD CANNONS LN	If Pump Station, Na	me of Pump Station:	Receiving Stream MIDDLE FORK BEARGRA	Discharge to SS STREAM
Activity Code / Description : DISREV: RAIN EVENT DISCHARGE	<u>WO # Ref No</u> 3181417	Initiated Initiated By Assigned T 11/30/2019 DAVIS BROWNMITCHELL		Event Date Problem 08/01/1969 LACK OF SYSTEM C		Completed 12/01/19 11:30 PM MAIN

Discharge Amount:	7,900,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED, MANHOLE IS DISCHARGING DIRECTLY INTO CREEK.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHED DUE TO LACK OF PUBLIC ACCESS TO THE DISCHARGE SITE.
Impact:	NONE OBSERVED OVER FLOW NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDE IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVERFLOW ADVISORY SIGNS POSTED ALONG THE CREEK, TO AVOID CONTACT WITH DISCHARGED CONTENT.

#### Notifications:

11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION	

#### **Total Facilities Printed: 30**

Total Work Orders Printed: 30

#### Format: Month/Day/Year 11/1/19 Enter Start Date :

MORRIS FOR	MAN V	VATER QUALI	TY TREATM	ENT CENTER	ર			JEFFERSON CO	DUNTY KE	NTUCKY		MONTH C	E	Nevember 1	n															
KPDES PERM	IIT NO, KY00224			PLANT CAP			120 MGD			STREAM-OHIO RIN	/ER	MONTHE	4-	November-1	9															
				r																										
	14/1-07			TEMP		рн		SETS		TSS	D	.0.		5-DAY BOD																
		EWATER FLO	WS	(DEGF)		· <del> </del> · · · · · · · · · · ·	******	(M/L)		(mg/L)		ng/L)		(mg/L)				<b>1</b>						ACTIVE		Cł	LORINATION		FINAL	
	·· · · · · · · · · · · · · · · · · · ·	iec.															TURN SLUDGE	1		AE	RATION BASIN			Sludge	Primary	Chlorine	1	Fecal	EFFLUENT	r
DATE	-		ypass	raw	final	raw	final	raw fir						prim.		FLOW	TSS	TVSS	DO	MLSS	MLVSS	SET	svi	Wasted	Słudge	Dosage	Resid	Collform	NH3-N	Pump.
11/1/19	124.29	119.33	4.96		65	7.3		10.0	0.5	raw fina 245	71	nai 5.7	aw วรา	final 219	final 48	MG	g/L	g/l	mg/i	g/L	9/L			MG	MG	KLBS	mg/L	#/100 ml	mg/L	Hours
11/2/19	117.82	117.63	0.19	62	62	7.1		9.0	0.5	203	67	5.1	251 277	219	35	22.0 21.9	18.7 20.0	15.8 16.8	11.7	2.2	1.9	142	63	1.08	0.22	3.92	0.016	900	6.2	0.0
11/3/19	85.33	85.33	0.00		63	7.2	6.6	11.2	0.1	292	34	5.7	270	211	30	21.9	20.0	16.8	9.5	6.9	5.8	154	22	1.06	0.27	4.46	0.016	127	4.8	0.0
11/4/19	78.76	78.76	0.00	65	65	7.1	6.4	14.7	0.4	376	93	4.6	403	258	55	21.6	20.4	17.2	8.5 5.6	3.3 4.3	2.7 3.7	177	55	1.02	0.14	3.50	0.016	31	3.8	0.0
11/5/19	76.65	76.65	0.00	68	68	7.0	6.4	18.2	0.7	480	122	5.5	479	365	82	21.5	20.7	17.8	2.0	4.3	3.5	223 227	52 54	0.97	0.16	2.35	0.016	80	8.0	0.0
11/6/19	72.60	72.60	0.00	68	68	7.1	6.5	23.0	0.5	433	80	5.2	476	388	54	22.0	22.0	18.9	0.8	4.2	5.5 4.0	227	54 49	1.08 1.08	0.27	2.44 3.06	0.016	80	12.2	0.0
11/7/19	136.66	117.87	18.79	65	65	6.8	6.4	17.1	7.4	496	320	2.4	268	284	180	21.8	21.4	18.4	7.1	5.6	4.8	194	36	1.08	0.26	5.71	0.016 0.016	640 140	14.0	0.0
11/8/19	102.49	102.40	0.09	63	63	7.1	6.2	11.0	0.2	332	72	6.6	340	246	45	21.7	22.1	19.0	9.0	3.3	2.8	160	49	1.09	0.25	3.23	0.016	28	12.8 7.4	0.0 0.0
11/9/19	79.80	79.60	0.00	63	63	6.9	6.5	14.0	0.2	355	47	5.8	659	554	41	21.5	23.7	20.6	4.5	4.1	3.5	228	56	1.08	0.13	2.25	0.016	130	6.1	0.01
11/10/19	72.99	72.99	0.00	67	67	7.3	6.4	14.0	0.4	367	43	5.2	1530	1110	142	21.3	21.9	18.6	3.5	4.5	3.8	248	56	1.09	0.14	2.33	0.016	80	6.5	0.0
11/11/19	84.99	82.80	2.19	68	68	7.0	6.4	16.8	2.5	350	196	5.6	1490	1100	278	21.4	21.9	18.8	2.0	4.7	4.1	266	56	1.07	0.18	2.81	0.016	84	11.8	0.0
11/12/19	84.39	84.22	0.17	62	62	7.3	6.6	15.0	2.7	304	188	5.4	632	351	148	21.5	21.3	18.3	4.8	8.5	7.3	246	29	1.09	0.25	3.01	0.016	164	12.6	0.0
11/13/19	75.92	75.92	0.00	60	60	7.1	6.5	16.0	1.8	367	150	5.5	571	546	96	21.4	21.6	18.5	7.2	4.6	3.9	252	55	1.07	0.21	3.17	0.016	47	12.9	0.0
11/14/19	76.75	76.75	0.00	64	64	7.0	6.4	16.3	0.6	433	95	6.5	499	336	45	21.2	21.4	18.3	7.8	4.5	3.9	238	52	1.05	0.31	3.26	0.016	34	16.4	0.0
11/15/19	70.40	70.40	0.00	62	62	7.0	6.6	16.9	1.9	423	146	4.9	852	564	75	21.4	20.9	18.2	5.4	6.8	6.0	264	39	1.07	0.28	2.67	0.016	50	15.6	0.0
11/16/19	68.90	68.90	0.00	63	63	6.8	6.6	14.8	2.8	413	196	4.5	633	426	85	21.5	20.7	17.9	1.7	5.0	4.3	289	58	1.08	0.18	3.50	0.016	200	13.6	0.0
11/17/19	68.80	68.80	0.00	62	62	6.7	6.4	13.0	1.5	360	164	4.3	573	445	83	21.5	21.8	18.8	1.7	5.0	4.4	330	66	1.09	0.10	3.36	0.016	170	8.5	0.0
11/18/19	73.71	73,71	0.00	64	64	7.0	6.2	10.3	1.4	376	154	5.2	474	287	89	21.5	20.8	18.1	3.1	4.9	4.3	310	64	1.08	0.16	2.83	0.016	31	9.5	0.0
11/19/19 11/20/19	79.17	79.17	0.00	65	65	7.0	6.4	16.5	5.1	448	262	5.2	579	242	157	21.8	21.1	18.3	2.8	12.5	10.9	296	24	1.08	0.12	2.56	0.016	94	12.3	0.0
11/21/19	76.28	76.28	0.00	65 64	65	7.1	6.4	15.1	1.5	420	190	5.2	524	217	69	21.5	21.6	18.9	2.0	10.6	9.4	284	27	1.06	0.15	3.07	0.016	42	12.3	0.0
11/21/19	72.91 146.84	72.91 117.40	0.00 29.44	64 59	64 59	6.8	6.4	19.9	3.9	524	276	5.2	619	282	133	21.6	20.1	17.7	1.4	5.2	4.6	290 j	56	1.08	0.21	3.42	0.016	160	15.2	0.0
11/23/19	117.09	107.77	9.32	61	61	7.1	6.4	17.0	20.0	420	588	3.1	391	232	279	21.4	22.2	19.2	8.1	4.5	3.9	220	49	1.08	0.14	7.97	0.016	50	10.6	0.0
11/24/19	90.62	90.62	0.00	63	63	7.0	6.4 6.5	10.0 8.7	3.0	197	170	6.2	157	200	75	21.2	19.1	16.6	10.2	6.4	5.5	189	29	1.08	0.15	4.52	0.016	860	6.5	0.0
11/25/19	83.26	83.26	0.00	63	63	6.8	6.4	18.1	0.1 0.1	220 530	25 42	5.8	241	154	15	20.9	20.1	17.3	11.0	3.7	3.2	194	53	1.08	0.14	2.35	0.016	84	5.5	0.0
11/26/19	97.19	86.77	10.42	65	65	7.1	6.3	14.1		412	42 87	6.1	658	296	33	20.9	21.1	18.1	3.2	4.4	3.9	249	56	1.04	0.26	2.30	0.016	208	9.5	0.0
11/27/19	224.67	129.43	95.24	61	61	6.8	6.3	6.0	1.4 12.5	200	464	5.8 4.5	602	408	86	21.2	21.8	18.9	1.4	7.7	6.7	248	32	1.08	0.27	3.36	0.016	780	13.6	0.0
11/28/19	125.23	119.82	5.41	60	60	7.1	6.6	6.5	0.5	175	404   92	4.5	171 216	156 150	246	21.2	23.0	19.8	9.7	3.7	3.1	182	51	1.06	0.32	8.23	0.016	1670	6.4	0.0
11/29/19	89.02	89.02	0.00	61	61	7.2	6.5	11.0	0.5	188	113	4.8 5.9	232	150 194	55	21.2 21.5	21.2	18.3	7.9	6.0	5.1	154	26	0.95	0.13	4.94	0.016	780	1.5	0.0
11/30/19	210.58	127.13	83.45	57	57	7.0	6.4	5.5	12.0	155	372	6.5	126	194	140	21.5	18.2 20.5	15.7 17.7	9.9 14.9	6.8	5.8 10.0	203	30	1.07	0.13	2.53	0.016	280	4.6	0.0
Sum	2964.1	2704.4	259.7											A 1V		644.4	20.0	17.7	14.9	11.7	10.01	188	16	0.83	0.15	6.40	0.016	494	5.9	0.0
Average	98.80	90.15	21.64	63.2	63.2	6.7	6.2	13.7	2.9	350	164	2.4	506	353	99	21.5	21.1	18.1	0.8	5.7	4.9	229.1	45.3	31.719 1.06	5.884 0.20	3.65	0.016	143	0.6	0.0
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SEWER CONNECTIONS

148066 TIMES 4 =

592264 SEWER POPULATION

IND. WASTER POPULATION EQ

CUSTOMERS	387
FLOW	3
BOD	18
TSS	7

312015 1827861 752237



CUST FLOW

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wonth of	Nov-19			
Average Flow				
	Primary	[	Secondary	
SETTLING TANKS	]	Battery A	Battery B	Battery C
Average Flow (MGD)	94.95	27.09	28.59	12.03
Tanks in Service	3.00	7.0	8.0	4.0
Surface Area (Ft.2)	77000.00	60252.12	69001.41	34467.81
Volume (MG)	8.33	6.17	7.07	3.53
Weir Length (Ft.)	2860.00	2497.15		
Avg. Weir Overflow (GPD/Ft)	33199.06	10847.57		
Avg. Settling Rate (GPD/Ft2)	1233.11	585.35	559.28	
Avg. Detention Time	2.11	5.47	5.93	7.04
AERATION TANKS	] [	Battery A	Battery B	Battery C
Volume (Galions)		4200000	4200000	2100000
Avg. Flow (MGD)		35.27	38.59	15.32
Avg. Detention Time (Hours)		3.72	3.53	4.19
CHLORINE CONTACT CHAMBER:	5			
Contact Chambers in Use	2.0			
Volume (Gallons)	2340000			
Avg. Detention Time (Hours)	1.04			
Remarks: BY-PASS REPORTS (See	e Attached)			

MORRIS FORMAN WASTEWATER TREATMENT PLANT JEFFERSON COUNTY, KY Month of Nov-19 .

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