

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

July 10, 2019

Crystal Dennis
Permit Support Section
Surface Water Permits Branch
Division of Water
200 Fair Oaks Lane 4th Floor
Frankfort, KY 40601

Re: Morris Forman Water Quality Treatment Center

KPDES Permit No. KY0022411

Dear Ms. Dennis:

In accordance with the provisions of the KPDES Permit referenced above, the monthly Discharge Monitoring Report (DMR) and monthly Discharge (overflow) Reports for the reporting period June 1st to June 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, and TSS percent removal for the reporting period.

Compromised solids handling equipment is contributing to the exceedances. MFWQTC continues to employ additional solids processing methods and additional Liquid Oxygen purchases in an effort to meet permit requirements.

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

Sincerely

Alex E. Novak, P.E.

Treatment Facilities Director

# **DMR Copy of Record**

Permit	
I CITIII	

Major:

Permit #: KY0022411

Yes

Permittee: Morris Forman WQTC MSD

Permittee Address: 700 W Liberty St

Louisville, KY 40203

Facility Location:

Facility:

MORRIS FORMAN WQTC MSD

4522 ALGONQUIN PKWY LOUISVILLE, KY 40211

Permitted Feature: 001

External Outfall

Discharge:

**001-B** SECONDARY BYPASS

Report Dates & Status

Monitoring Period: From 06/01/19 to 06/30/19

DMR Due Date: 07/28/19

Status:

NetDMR Validated

**Considerations for Form Completion** 

MONITORING DURING PERIODS OF SECONDARY BYPASS IN ADDITION TO REGULAR MONITORING.1 - FINAL EFFLUENTF - SECONDARY BYPASS AFTER PRIMARYTREATMENT.

Title:

**Principal Executive Officer** 

First Name: James A.

Last Name: Parrott

Executive Director

Telephone:

502-540-6753

No Data Indicator (NODI)

Form NODI:

Parameter	Monitoring Location	Season	# Param. NOD	I		Qu	antity or Load	ding				Quality or Con	centration		#	of Ex.	Frequency of Analysis	Sample Type
Code Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifie	er 1 Value 1 Qualifier 2	Value 2	Qualifier 3	3 Value 3	Units			
				Sample							=	63	=	91	19 - mg/L	21	/30 - 21 Per Month	CP - COMPOS
00310 BOD, 5-day, 20 deg. C	1 - Effluent Gross	0		Permit Req								Req Mon MO AVO	3	Req Mon MX WK	AV 19 - mg/L 0	W	H/DS - When Discharging	CP - COMPO
				Value NOD	1													
				Sample							=	132	=	194	19 - mg/L	21	/30 - 21 Per Month	CP - COMPOS
00310 BOD, 5-day, 20 deg. C	F - Primary/Prelimary Process Complete	0		Permit Req								Req Mon MO AVO	3	Req Mon MX WK	AV 19 - mg/L 0	W	H/DS - When Discharging	CP - COMPOS
				Value NOD	I													
				Sample							=	111	=	186	19 - mg/L	21	/30 - 21 Per Month	CP - COMPOS
00530 Solids, total suspended	1 - Effluent Gross	0		Permit Req								Req Mon MO AVO	3	Req Mon MX WK	AV 19 - mg/L 0	W	H/DS - When Discharging	CP - COMPOS
				Value NOD	1													
				Sample							=	149	=	195	19 - mg/L	21	/30 - 21 Per Month	CP - COMPOS
00530 Solids, total suspended	F - Primary/Prelimary Process Complete	0		Permit Req								Req Mon MO AVO	3	Req Mon MX WK	AV 19 - mg/L 0	W	H/DS - When Discharging	CP - COMPOS
				Value NOD	1													
				Sample							=	7.2	=	11.6	19 - mg/L	21	/30 - 21 Per Month	CP - COMPOS
00610 Nitrogen, ammonia total [as N]	1 - Effluent Gross	0		Permit Req								Req Mon MO AVO	3	Req Mon MX WK	AV 19 - mg/L 0	W	H/DS - When Discharging	CP - COMPOS
				Value NOD	1													
				Sample							=	9.5	=	16.7	19 - mg/L	21	/30 - 21 Per Month	CP - COMPOS
00610 Nitrogen, ammonia total [as N]	F - Primary/Prelimary Process Complete	0		Permit Req								Reg Mon MO AVO	3	Reg Mon MX WK	AV 19 - mg/L 0	W	H/DS - When Discharging	CP - COMPOS
				Value NOD	1							·		·				
				Sample	= 3	8.9	= 5	50.5	03 - MGD	)						21	/30 - 21 Per Month	CN - CONTIN
50050 Flow, in conduit or thru treatment plant	F - Primary/Prelimary Process Complete	0		Permit Req	. F	Req Mon MO AVO	) F	Req Mon MX WK AV	03 - MGD	)					0	W	H/DS - When Discharging	CN - CONTIN
·				Value NOD	1			•									0 0	

**Submission Note** 

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

**Edit Check Errors** 

No errors.

Comments

**Attachments** 

No attachments.

Report Last Saved By

Morris Forman WQTC MSD

User: kessel@louisvillemsd.org

Name: John Kessel

E-Mail: kessel@louisvillemsd.org

Date/Time: 2019-07-24 14:09 (Time Zone: -04:00)

Report Last Signed By

User: kessel@louisvillemsd.org

Name: John Kessel

E-Mail: kessel@louisvillemsd.org

Date/Time: 2019-07-24 14:10 (Time Zone: -04:00)

# **DMR Copy of Record**

Permit															
Permit #:	KY0022411		Permittee:		Morris Forman WQT	C MSD		Facility	y:		MORRIS FO	ORMAN W	VQT	C MSD	
Major:	Yes		Permittee A	ddress:	700 W Liberty St Louisville, KY 40203				y Location:		4522 ALGO LOUISVILL	NQUIN PI	KWY		
Permitted Feature:	001 External Outfall		Discharge:		<b>001-1</b> MUNICIPAL DISCHA	ARGE									
Report Dates & Status			'												
Monitoring Period:	From 06/01/19 to 06/30/19		DMR Due D	ate:	07/28/19			Status	:		NetDMR Va	lidated			
Considerations for Form Completion			'												
G - INFLUENTE - SECONDARY EFFLU Season not needed.	JENT1 - FINAL EFFLUENT - Parame	eter 74055	- Use Season 1 for s	ummer months (May, Jun	e, July, August, Septemb	er, and October) a	and Season 2 for	r winter r	months (Nove	mber, Dece	ember, January, Fe	ebruary Ma	larch	, and April); enter NODI	=9 for the
Principal Executive Officer															
First Name:	James A.		Title:		Executive Director			Teleph	one:		502-540-60	00			
Last Name:	Parrott						·	•							
No Data Indicator (NODI)			'												
Form NODI:															
Parameter	Monitoring Location	Season # F	Param. NODI		antity or Loading				Quality or Cor				# 0	of Ex. Frequency of Analys	is Sample Type
Code Name			Sample	Qualifier 1 Value 1	Qualifier 2 Value 2	Units Qualif	ier 1 Value 1 Qu 2.6	ualifier 2	Value 2	Qualifier 3		Units 19 - mg/L		01/01 - Daily	GR - GRAB
00300 Oxygen, dissolved [DO]	1 - Effluent Gross	0	- Permit Rec			>=	2 INST MIN					19 - mg/L	0	01/01 - Daily	GR - GRAB
			Value NOD												
X <sub>00310</sub> BOD, 5-day, 20 deg. C	E - Secondary/Biological Process Complete	0	Sample Permit Rec	= 29711 Req Mon MO AVG	= 54040 Req Mon MX WK	26 - lb/d ( AV 26 - lb/d	= <=		33 30 MO AVG	= <=	67 45 MX WK AV	19 - mg/L 19 - mg/L	2	01/01 - Daily 01/01 - Daily	CP - COMPOS
00310			Value NOD									- J			
00040 DOD 5 day 00 day 0	C. Barro Carrana Influent		Sample	= 228739	= 273052	26 - lb/d	=		217		283	19 - mg/L		01/01 - Daily	CP - COMPOS
00310 BOD, 5-day, 20 deg. C	G - Raw Sewage Influent		Permit Rec		Req Mon MX WK	X AV 26 - ID/0		r	Req Mon MO AV	5	Req Mon MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMPOS
			Sample			=	6.2				6.7	12 - SU		01/01 - Daily	GR - GRAB
00400 pH	1 - Effluent Gross	0	Permit Rec			>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU	0	01/01 - Daily	GR - GRAB
			Value NOD Sample	= 55918	= 110791	26 - lb/d	=	6	61	=	135	19 - mg/L		01/01 - Daily	CP - COMPOS
X 00530 Solids, total suspended	E - Secondary/Biological Process Complete	0	Permit Rec		Req Mon MX WK	X AV 26 - lb/d	<=	= 3	30 MO AVG	<=	45 MX WK AV	19 - mg/L	2	01/01 - Daily	CP - COMPOS
			Value NOD Sample	= 304967	= 409585	26 - lb/d	=		279	=	322	19 - mg/L		01/01 - Daily	CP - COMPOS
00530 Solids, total suspended	G - Raw Sewage Influent	0	- Permit Rec						Req Mon MO AV		Req Mon MX WK AV		0	01/01 - Daily	CP - COMPOS
			Value NOD												
00610 Nitrogen, ammonia total [as N]	E - Secondary/Biological Process Complete	0	Sample Permit Rec	= 6928 Reg Mon MO AVG	= 8570 Req Mon MX WK	26 - lb/d ( AV 26 - lb/d	=		7.9 20 MO AVG	= <=		19 - mg/L 19 - mg/L	0	01/01 - Daily 01/01 - Daily	CP - COMPOS
			Value NOD											,,,,,	
20040 Nitrogen grangerin total for NI	C. Daw Cawara Influent		Sample	= 8955	= 10761	26 - lb/d	=		3.8		12.9	19 - mg/L		01/01 - Daily	CP - COMPOS
00610 Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	Permit Rec	·	Req Mon MX WK	X AV 26 - ID/0		ľ	Req Mon MO AV	3	Req Mon MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMPOS
			Sample	= 110.33	= 118.46	03 - MGD								99/99 - Continuous	CN - CONTIN
50050 Flow, in conduit or thru treatment plant	E - Secondary/Biological Process Complete	0	Permit Rec		Req Mon DAILY	MX 03 - MGD							0	99/99 - Continuous	CN - CONTIN
			Sample	1						<	0.016	19 - mg/L		01/01 - Daily	GR - GRAB
50060 Chlorine, total residual	1 - Effluent Gross	0	Permit Rec							<=	.019 DAILY MX	19 - mg/L	0	01/01 - Daily	GR - GRAB
			Value NOD Sample	1			_	f	61	=	119	13 - #/100m	nl	01/01 - Daily	GR - GRAB
74055 Coliform, fecal general	1 - Effluent Gross	1	- Permit Rec				<=		200 30DA GEO	<=	400 7 DA GEO	13 - #/100m		01/01 - Daily	GR - GRAB
			Value NOD	1											
81010 BOD, 5-day, percent removal	K - Percent Removal	0	Sample Permit Rec			= >=	85 85 MO MIN					23 - % 23 - %	0	01/30 - Monthly 01/30 - Monthly	CA - CALCTD
			Value NOD									/-		, , , , , , , , , , , , , , , , , , , ,	
V Calida anno and administrative	K. Danzart Danzard		Sample			=	78					23 - %		01/30 - Monthly	CA - CALCTD
X 81011 Solids, suspended percent removal	K - Percent Removal	0	Permit Rec			>=	85 MO MIN					23 - %	- 1	01/30 - Monthly	CA - CALCTD
Submission Note															
If a parameter row does not contain any	values for the Sample nor Effluent T	rading, the	n none of the following	ng fields will be submitted	for that row: Units, Numb	per of Excursions,	Frequency of An	nalysis, a	and Sample Ty	/pe.					
Edit Check Errors															
Parameter															
Code		Monitorin	g Location		Field	T	уре			Des	scription			Ack	nowledge

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	e 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	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
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
Commen	ts							
Attachme	ents							
		Name				Туре		Size
MFWQTC	062019MOR.pdf					pdf	85632	
Dischargel	Report_MorrisForman_June2019.pdf					pdf	141726	
MFWQTC	overletter062019.pdf					pdf	26756	
Report La	ast Saved By							
Morris Fo	orman WQTC MSD							
User:		kessel@louisvillemsd.org						
Name:		John Kessel						
E-Mail:		kessel@louisvillemsd.org						
Date/Time	e:	2019-07-24 14:07 (Time Zone: -04:00)						
Report La	ast Signed By							
User:		kessel@louisvillemsd.org						
Name:		John Kessel						
E-Mail:		kessel@louisvillemsd.org						

2019-07-24 14:10 (Time Zone: -04:00)

Date/Time:

# **DMR Copy of Record**

Permit

KY0022411 Permit #:

001

Yes Major:

Morris Forman WQTC MSD Permittee:

Permittee Address: 700 W Liberty St

Louisville, KY 40203

Facility:

Facility Location:

MORRIS FORMAN WQTC MSD

4522 ALGONQUIN PKWY

LOUISVILLE, KY 40211

Discharge: 001-Y

External Outfall BIOMONITORING/ONCE PER QUARTER

Report Dates & Status

**Permitted Feature:** 

DMR Due Date: Status: **Monitoring Period:** From 04/01/19 to 06/30/19 07/28/19 **NetDMR Validated** 

**Considerations for Form Completion** 

Principal Executive Officer

Telephone: First Name: James A. Title: **Executive Director** 502-540-6000

Last Name: Parrott

No Data Indicator (NODI)

Form NODI:

Parameter	Monitoring Location	Season # P	aram. NODI			Quantit	ty or Loadir	ng				Quality or Co	ncentration			# of Ex. Frequency of Analysis	Sample Type
Code Name					Qualifier	1 Value 1	Qualifier 2	Value 2 U	nits Qualifier 1	1 Value	1 Qualifier 2	Value 2	Qualifier 3	Value 3	Units		
				Sample							=	458	=	458	19 - mg/L	01/90 - Quarterly	CP - COMPOS
00900 Hardness, total [as CaCO3]	1 - Effluent Gross	0		Permit Req.								Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPO
				Value NODI													
				Sample							<	0.01	<	0.01	19 - mg/L	01/90 - Quarterly	CP - COMPOS
01025 Cadmium, dissolved [as Cd]	1 - Effluent Gross	0		Permit Req.								Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI													
				Sample							<	0.01	<	0.01	19 - mg/L	01/90 - Quarterly	CP - COMPO
01040 Copper, dissolved [as Cu]	1 - Effluent Gross	0		Permit Req.								Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPO
				Value NODI													
				Sample							<	0.05	<	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPO
01049 Lead, dissolved [as Pb]	1 - Effluent Gross	0		Permit Req.								Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPO
				Value NODI													
				Sample							<	0.05	<	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPO
01090 Zinc, dissolved [as Zn]	1 - Effluent Gross	0		Permit Req.								Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPO
				Value NODI													
				Sample							<	0.05	<	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPO
01094 Zinc, total recoverable	1 - Effluent Gross	0		Permit Req.								Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPO
				Value NODI													
				Sample							<	0.01	<	0.01	19 - mg/L	01/90 - Quarterly	CP - COMPO
01113 Cadmium, total recoverable	1 - Effluent Gross	0		Permit Req.								Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPO
				Value NODI													
				Sample							<	0.05	<	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPO
01114 Lead, total recoverable	1 - Effluent Gross	0		Permit Req.								Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPO
				Value NODI													
				Sample							=	0.013	=	0.013	19 - mg/L	01/90 - Quarterly	CP - COMPO
1119 Copper, total recoverable	1 - Effluent Gross	0		Permit Req.								Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPO
				Value NODI													
				Sample									<	1	2F - tox acute	01/90 - Quarterly	G2 - GRAB-2
61406 Toxicity, final conc toxicity units	1 - Effluent Gross	0		Permit Req.									<=	1 DAILY MX	2F - tox acute	e 01/90 - Quarterly	G2 - GRAB-2
				Value NODI													

**Submission Note** 

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

**Edit Check Errors** 

No errors.

Comments

**Attachments** 

No attachments.

Report Last Saved By

Morris Forman WQTC MSD

User: kessel@louisvillemsd.org

Name: John Kessel

E-Mail: kessel@louisvillemsd.org Date/Time: 2019-07-24 14:10 (Time Zone: -04:00)

Report Last Signed By

User: kessel@louisvillemsd.org

Name: John Kessel

E-Mail: kessel@louisvillemsd.org

Date/Time: 2019-07-24 14:10 (Time Zone: -04:00)

# Format: Month/Day/Year

Enter Start Date :

6/1/19

MORRIS FORMAN WATER QUALITY TREATMENT CENTER KPDES PERMIT NO. KY0022411 PLANT CAPACITY -

JEFFERSON COUNTY, KENTUCKY 120 MGD RECEIVING STREAM-OHIO RIVER MONTH OF

June-19

				Γ	TEMP		pH		SETS		TSS		D.O.		5-DAY BOD																
	[	WASTEV	WATER FLOWS	s	(DEGF)				(M/L)		(mg/L)		(mg/L)		(mg/L)										ACTIVE		CH	LORINATIO	N	FINAL	]
		(Milli	ion Gallons)						·					<del></del>			R	TURN SLUDGE			A	ERATION BASIN	٧		Sludge	Primary	Chlorine		Fecal	EFFLUE	ιт
	Final	Sec	с.					1							prim.		FLOW	TSS	TVSS	D.O	MLSS	MLVSS	SET	svi	Wasted	Sludge	Dosage	Resid	Caliform	NH3-N	Pump.
DATE	Effluen	t Effi	luent Bypa	ass r	aw	final	raw fina	ві г	aw final	ra	w fins	i	final	rew	final	final	MG	g/L	g/i	mg/L	g/L	g/L		•	MG	MG	KLBS	mg/L	#/100 ml	mg/L	Hours
6/1/	19	97.05	97.05	0.00	71	71	7.2	6.4	10.0	0.4	300	69	4.4	252	194	27	23.3	16.1	13.0	12.4	5.7	4.5	247	44	1.08	0.18	3.15	0.016	211	8	0.0
6/2/	19	83.58	63.58	0.00	73	73	7.0	6.4	10.8	1.1	312	116	4.0	248	255	54	23.3	15.3	12.3	10.9	3.0	2.4	266	89	0.99	0.14	2.64	0.016	70	9	0.0
6/3/	19	87.67	87.67	0.00	70	70	7.0	6.5	12.3	3.3	340	150	5.3	402	213	68	23.4	15.4	12.1	2.5	3.3	2.6	280	84	0.97	0.23	3.33	0.016	50	12	0.0
6/4/	19	79.97	79.97	0.00	70	70	7.0	6.3	9.0	0.5	304	68	3.7	358	227	41	23.2	16.6	13.4	1.5	3.4	2.8	263	79	1.08	0.36	3.41	0.016	67	13	0.0
6/5/	19 1	100.74	86.58	14.16	73	73	6.9	6.4	13.9	6.8	384	232	4.8	315	284	119	23.3	16.3	13.1	1.2	6.0	4.8	312	58	1.08	0.39	3.93	0.016	278	16	0.0
6/6/	19 1	152.21	116.74	35.47	72	72	7.1	6.2	13.9	8.1	284	266	6.2	180	174	126	23.0	16.5	13.5	3.5	3.5	2.8	246	69	0.83	0.22	6.86	0.016	120	9	0.0
6/7/	19 1	110.27	106.66	3.61	72	72	7.2	6.4	7.5	0.2	267	59	6.0	224	125	29	23.3	16.3	13.1	8.5	2.6	2.1	226	83	1.07	0.26	5.03	0.016	200	10	0.0
6/8/	19 1	178.42	126.43	51.99	71	71	7.2	6.6	5.5	1.5	176	103	5.8	213	89	55	23.3	16.5	13.4	14.9	2.5	2.0	213	81	1.08	0.24	6.90	0.016	10	7	0.0
6/9/	19 2	214.69	126.31	88.38	71	71	7.1	6.3	4.9	5.1	216	216	5.3	215	76	109	23.3	16.0	12.8	15.6	2.2	1.8	174	77	1.08	0.27	7.96	0.016	4	6	0.0
6/10/1	19 1	146.37	115.93	30.44	69	69	7.1	6.4	6.2	0.3	220	43	5.0	165	79	46	23.3	15.5	12.3	15.1	2.3	1.9	178	73	0.99	0.30	5.71	0.016	460	5	15.5
6/11/1	19 1	146.21	125.79	20.42	65	65	7.2	6.4	8.1	0.4	252	28	6.3	193	133	34	23.2	15.8	12.5	10.2	4.0	3.2	168	41	1.06	0.28	4.43	0.016	28	6	10.2
6/12/1	19 1	139.84	126.61	13.23	66	66	7.1	6.4	12.2	0.4	304	43	5.3	187	160	26	23.0	15.8	12.6	9.1	2.2	1.7	166	74	0.96	0.29	5.37	0.016	42	7	0.0
6/13/1	19 1	109.18	108.59	0.59	63	63	7.0	6.4	4.0	0.2	232	38	5.8	224	192	22	23.1	16.4	13.1	9.5	2.4	1.9	170	68	1.07	0.25	4.03	0.016	14	8	0.0
6/14/1	19	94.21	94.21	0.00	67	67	7.1	6.5	15.0	0.1	283	15	6.5	250	137	10	23.3	14.6	11.7	11.7	3.1	2.5	218	69	0.87	0.27	2.82	0.016	70	12	0.0
6/15/1	19	89.22	89.22	0.00	64	64	7.1	6.5	13.0	0.1	364	12	6.6	282	187	10	23.0	15.8	12.7	8.6	3.1	2.5	218	68	1.04	0.22	2.17	0.016	127	12	0.0
6/16/1	19 1	152.64	111,43	41.21	66	66	7.1	6.3	21.1	8.2	688	250	2.6	244	198	137	23.1	16.3	13.1	5.9	3.0	2.4	223	72	1.04	0.21	5.16	0.016	31	9	0.0
6/17/1	19 2	207.39	130.00	77.39	68	68	7.0	6.3	4.8	1.8	184	124	3.7	115	74	83	22.9	18.2	14.3	11.1	3.0	2.3	184	60	0.93	0.19	8.59	0.016	31	5	17.2
6/18/1	9 2	227.78	128.07	99.71	67	67	7.3	6.7	4.8	4.1	204	194	5.3	183	81	112	23.2	16.4	12.9	13.2	2.4	1.9	164	68	1.08	0.20	9.09	0.016	460	6	24.0
6/19/1	19 1	181.90	126.69	55.21	67	67	7.1	6.5	8.1	0.2	224	40	8.3	170	86	32	22.9	15.9	12.6	15.7	2.2	1.8	167	76	1.08	0.26	7.39	0.016	. 4	5	24.0
6/20/1	19 1	137.35	125.00	12.35	64	64	7.2	6.6	10.1	1.1	320	65	6.6	232	172	40	22.8	15.1	11.9	11.0	2.2	1.8	149	67	1.03	0.20	5.05	0.016	137	5	24.0
6/21/1	19 1	135.88	118.84	17,04	74	74	7.0	6.4	10.0	1.8	272	96	4.7	283	314	71	22.8	16.2	12.7	5.8	3.7	2.9	180	48	1.09	0.20	4.23	0.016	4	. 5	24.0
6/22/1	19 2	202.62	125.48	77.14	69	69	6.9	6.3	7.0	4.5	142	168	5.3	80	82	70	23.2	17.3	13.7	13.0	2.9	2.3	176	60	1.03	0.08	6.46	0.016	1040	4	24.0
6/23/1	i9 1	169.05	119.88	49.17	69	69	7.4	6.6	6.9	0.9	200	79	5.8	69	48	37	22.6	17.7	13.7	17.0	2.2	1.7	152	69	0.78	0.09	5.83	0.016	160	4	24.0
6/24/1	19 1	97.17	128.94	68.23	75	75	7.1	6.6	8.2	1.8	208	100	6.8	84	55	52	22.8	18.2	13.8	21.3	2.4	1.8	136	56	1.06	0.19	4.78	0.016	164	7	24.0
6/25/1	9 1	157.72	124.06	33.66	69	69	7.4	6.7	8.1	0.5	180	34	8.4	144	73	28	22.8	15.2	11.5	21.3	2.1	1.5	121	58	1.09	0.21	4.07	0.016	77	7	24.0
6/26/1	9 1	34.80	125.59	9.21	72	72	7.2	6.6	10.1	0.1	236	27	8.5	184	88	14	22.5	13.9	10.3	20.1	1.6	1.2	107	66	1.09	0.25	3.12	0.016	110	10	24.0
6/27/1	9 1	109.39	109.39	0.00	72	72	7.3	6.6	12.0	0.2	352	14	6.9	214	88	5	23.0	12.7	9.5	23.6	2.0	1.5	108	56	1.09	0.28	2.07	0.016	39	12	24.0
6/28/1	9	95.79	95.79	0.00	69	69	7.1	6.6	10.0	0.2	388	10	7.3	342	173	2	22.8	12.1	9.2	15.8	2.1	1.6	114	57	0.92	0.28	1.82	0.016	37	10	24.0
6/29/1	9	83.03	83.03	0.00	68	68	7.1	6.6	4.5	0.1	243	6	5.6	197	69	6	22.8	12.4	9.5	16.7	5.4	4.2	144	28	0.88	0.15	2.16	0.016	27	9	18.0
6/30/1	9 1	03.93	86.51	17.42	71	71	7.2	6.5	21.0	3.2	304	116	8.5	246	180	86	23.1	12.9	9.7	16.6	2.4	1.8	164	71	1.08	0.11	2.91	0.016	37	10	0.0
Sum	4	1126.1	3310.0	816.0						T.							691.6								30.518	6.804					324.6
Average		137.5	110.3	38.9	69.2	69.2	7.1	6.5	9.8	1.9	279.4	92.7	5.8	216.5	143.5	51.7	23.1	15.6	12.3	12.1	3.0	2.3	187.8	65.6	1.0	0.2	4.7	0.016	60.5	8.3	]

SEWER CONNECTIONS

147791 TIMES 4 =

591164 SEWER POPULATION

IND. WASTER POPULATION EQ

CUSTOMERS

379 FLOW BOD

TSS

729736 847137 943331

MORRIS FORMAN WASTEWATER TREATMENT PLANT

JEFFERSON COUNTY, KY

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M	onth of	Jun-19
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	Primary		Secondary	
SETTUNG TANKS		Battery A	Battery B	Battery C
Average Flow (MGD)	138.69	44.26	36.62	10.8
Tanks in Service	4.00	8.0	7.0	3.
Surface Area (Ft.2)	77000.00	69200.00	54304.38	17300.0
Volume (MG)	8.33	7.09	5.56	1.7
Weir Length (Ft.)	2860.00	2868.00	2250.65	717.0
Avg. Weir Overflow (GPD/Ft)	48494.57	15431.50	16269.10	15057.6
Avg. Settling Rate (GPD/Ft2)	1801.23	769.62	858.42	859.9
Avg. Detention Time	1.44	3.84	3.65	3.9

AERATION TANKS	Battery A	Battery B	Battery C
Volume (Gallons)	4200000	4200000	2100000
Avg. Flow (MGD)	53.26	46.62	14.88
Avg. Detention Time (Hours)	2.28	2.75	4.67

# CHLORINE CONTACT CHAMBERS

Contact Chambers in Use 2.0
Volume (Gallons) 2340000
Avg. Detention Time (Hours) 0.63

Remarks: BY-PASS REPORTS (See Attached)



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Facility ID **Water Quality Treatement Center** KPDES# **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	02933	7900 SHELBYVILLE RD		MIDDLE FORK BEARGRASS CREEK	STREAM

Activity Code / Description	WO #	Ref No	<u>Initiated</u>	Initiated By	Assigned To	Disch Status	<b>Event Date</b>	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	3117316		06/09/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	03/04/2008	LACK OF	UNAUTHORIZED	06/10/19 09:30	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

#### Discharge Reporting:

Discharge Amount:	975,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3117976
Control Zone:	TEMP SIGNS PLACED AROUND IMPACTED AREA.
Impact:	MANOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTFIIED THROUGH TEMP SIGNS AT DISCHARGE SITE.

#### Notifications:

6/10/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/10/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	08426	4315 PRUITT CT		SOUTH FORK BEARGRASS CREEK	GROUND

<b>Activity Code / Description</b>	WO #	Ref No	<u>Initiated</u>	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	3117320		06/09/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	02/25/2011	LACK OF	UNAUTHORIZED	06/09/19 11:17	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

#### Discharge Reporting:

Discharge Amount:	2,600 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	CLEAN UP NOT REQUIRED, NO VISABLE SIGNS OF DEBRIS ON OR AROUND MANHOLE.
Control Zone:	BARRICADE AND TEMP SIGNS POSTED AROUND IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED BY DOOR CARDS AND TEMP DISCHARGE SIGNS POSTED AT THE DISCHARGE SITE.

#### Notifications:

6/10/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/10/19 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
SMH Sewer Manhole	08429	4337 PRUITT CT		BUECHEL BRANCH	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	<b>Event Date</b>	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	3117321		06/09/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	05/03/2019	LACK OF	UNAUTHORIZED	06/09/19 11:17	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

# Discharge Reporting:

Discharge Amount:	1,800 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	CLEAN UP NOT REQUIRED, NO VISABLE SIGNS OF DEBRIS ON OR AROUND MANHOLE.
Control Zone:	BARRICADE AND TEMP SIGNS POSTED AROUND IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED BY DOOR CARDS AND TEMP DISCHARGE SIGNS POSTED AT THE DISCHARGE SITE.

#### Notifications:

6/10/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/10/19 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	<b>Event Date</b>	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	3117322		06/09/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	06/22/2011	LACK OF	UNAUTHORIZED	06/09/19 11:17	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

# Discharge Reporting:

Discharge Amount:	1,800 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	CLEAN UP NOT REQUIRED, NO VISABLE SIGNS OF DEBRIS ON OR AROUND MANHOLE.
Control Zone:	BARRICADE AND TEMP SIGNS POSTED AROUND IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED BY DOOR CARDS AND TEMP DISCHARGE SIGNS POSTED AT THE DISCHARGE SITE.

#### Notifications:

6/10/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/10/19 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	08935-SM	1001 BRECKENRIDGE LN		MIDDLE FORK BEARGRASS CREEK	STREAM

<b>Activity Code / Description</b>	WO #	Ref No	<u>Initiated</u>	Initiated By	Assigned To	Disch Status	<b>Event Date</b>	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	3117247		06/09/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	11/29/2001	LACK OF	UNAUTHORIZED	06/10/19 04:21	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

# Discharge Reporting:

Discharge Amount:	1,037,000 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 THE SIZE OF THE CREEK AND DIFFICULTY ACCESSING DISCHARGE AREAS.
Impact:	NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PERMANENT SIGNS ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

#### Notifications:

6/9/19 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION
6/9/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV

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Initiated Jun 01, 2019 12:00 AM thru Jun 30, 2019 11:59 PM

Report Selections: Period: 06/01/2019 00:00 thru 06/30/2019 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

KY0022411 (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	<u>Condition</u>
: DISREVRAIN EVENT	3122417		6/18/2019	MITCHELL	DAVIS BROWN	DOCUMENTED	11/29/2001	LACK OF	UNAUTHORIZED	06/18/19 11:05	MAIN
DISCHARGE			8:13:00AM					SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

#### Discharge Reporting:

Discharge Amount:	5,664 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 THE SIZE OF THE CREEK AND DIFFICULTY ACCESSING DISCHARGE AREAS.
Impact:	NONE OBSERVED OVER FLOW NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PERMANENT SIGNS ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

#### Notifications:

6/19/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/19/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION





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

**KY0022411 (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	<b>Event Date</b>	<u>Problem</u>	Result	Completed	Condition
: DISREVRAIN EVENT	3126494		6/24/2019	MITCHELL	DAVIS BROWN	DOCUMENTED	11/29/2001	LACK OF	UNAUTHORIZED	06/24/19 06:15	MAIN
DISCHARGE			3:27:00PM					SYSTEM	DISCHARGE-WATER	PM	
								CAPACITY	S		

#### Discharge Reporting:

Discharge Amount:	1,400 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED DISCHARGE, PIPE IS SUBMERGED.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHE THE PIPE DISCHARGES DIRECTLY TO STREAM (CREEK OR RIVER).
Impact:	NONE OBSERVED OVER FLOW NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT SIGNS ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

#### Notifications:

6/25/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/25/19 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	27012	2408 GRAY FOX RD		MIDDLE FORK BEARGRASS CREEK	STREAM

<b>Activity Code / Description</b>	WO #	Ref No	<u>Initiated</u>	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	3117312		06/09/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	03/09/2019	LACK OF	UNAUTHORIZED	06/10/19 10:14	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

# Discharge Reporting:

Discharge Amount:	105,000 GAL
Cause:	LACK OF SYSEM CAPACTIY HEAVY RAIN.
Clean Up:	WO#3117973.
Control Zone:	UNABLE TO ACCESS THE ARE DUE TO FLOODING.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PERMANENT SIGNS POSTED ALONG THE CREEK STATING TO AVOID CONTACT WITH DISCHARGED CONTENT.

#### Notifications:

6/10/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/10/19 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	28250	3506 CHARLANE PKY		CHENOWETH RUN	DITCH

Activity Code / Description	<u>WO #</u>	Ref No Initi	<u>tiated</u>	Initiated By	Assigned To	Disch Status	<b>Event Date</b>	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	3122418	06/1	/18/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	01/03/2005	LACK OF	UNAUTHORIZED	06/19/19 07:30	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

# Discharge Reporting:

Discharge Amount:	585 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	CLEAN UP NOT REQUIRED, NO VISABLE SIGNS OF DEBRIS ON OR AROUND MANHOLE.
Control Zone:	TEMP DISCHARGE SIGNS PLACED AROUND IMPACTED AREA.
Impact:	VERY LIGHT FLOW TRICKLING FROM MANHOLE NO SOLIDS OR DEBRIS OBSERVED.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	DOOR HANGERS AND PERMANENT SIGNS ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

#### Notifications:

6/19/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/19/19 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	28453	3402 CHARLANE PKY		CHENOWETH RUN	DITCH

Activity Code / Description	WO #	Ref No	<u>Initiated</u>	Initiated By	Assigned To	Disch Status	<b>Event Date</b>	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	3122419		06/18/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	10/28/2015	LACK OF	UNAUTHORIZED	06/19/19 07:35	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

#### Discharge Reporting:

Discharge Amount:	575 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	CLEAN UP NOT REQUIRED NO SOLIDS OR DEBRIS OBSERVED.
Control Zone:	TEMP DISCHARGE SIGNS PLACED AROUND IMPACTED AREA.
Impact:	VERY LIGHT FLOW TRICKLING FROM MANHOLE NO SOLIDS OR DEBRIS OBSERVED.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	DOOR HANGERS AND PERMANENT SIGNS ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

#### Notifications:

6/19/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/19/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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KY0022411

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

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

<b>Activity Code / Description</b>	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	<b>Event Date</b>	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	3117313		06/09/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	05/10/2014	LACK OF	UNAUTHORIZED	06/10/19 10:26	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

#### Discharge Reporting:

Discharge Amount:	162,000 GAL
Cause:	LACK OF SYSEM CAPACTIY HEAVY RAIN.
Clean Up:	WO#3117974.
Control Zone:	UNABLE TO ACCESS THE ARE DUE TO FLOODING.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PERMANENT SIGNS POSTED ALONG THE CREEK STATING TO AVOID CONTACT WITH DISCHARGED CONTENT.

#### Notifications:

6/10/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/10/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	47582	201 BULLITT LN		MIDDLE FORK BEARGRASS CREEK	STREAM

<b>Activity Code / Description</b>	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	<b>Event Date</b>	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	3117315		06/09/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	12/05/2011	LACK OF	UNAUTHORIZED	06/11/19 08:45	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

#### Discharge Reporting:

Discharge Amount:	270,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3118214.
Control Zone:	TEMP SIGNS PLACED AROUND IMPACTED AREA.
Impact:	MANOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTFIIED THROUGH TEMP SIGNS AT DISCHARGE SITE.

#### Notifications:

6/10/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/10/19 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	47583	202 OXMOOR LN		MIDDLE FORK BEARGRASS CREEK	STREAM

Activity Code / Description	<u>WO #</u>	Ref No	<u>Initiated</u>	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	Result	Completed	<b>Condition</b>
: DISREV: RAIN EVENT	3117314		06/09/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	02/06/2008	LACK OF	UNAUTHORIZED	06/11/19 08:45	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

# Discharge Reporting:

Discharge Amount:	666,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3118213.
Control Zone:	TEMP SIGNS PLACED AROUND IMPACTED AREA.
Impact:	MANOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTFIIED THROUGH TEMP SIGNS AT DISCHARGE SITE.

#### Notifications:

6/10/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/10/19 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	84155	7913 SHELBYVILLE RD		MIDDLE FORK BEARGRASS CREEK	GROUND

Activity Code / Description	<u>WO #</u>	Ref No	Initiated	Initiated By	Assigned To	Disch Status	<b>Event Date</b>	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT	3117319		06/09/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	03/10/2011	LACK OF	UNAUTHORIZED	06/10/19 09:35	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

# Discharge Reporting:

Discharge Amount:	975,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3117978.
Control Zone:	BARRICADE ,CAUTION TAPE, AND TEMP SIGNS POSTED AROUND IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP DISCHARGE SIGNS POSTED AT THE DISCHARGE SITE.

#### Notifications:

6/10/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/10/19 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	CSO019	816 N 34TH ST		OHIO RIVER	STREAM

<b>Activity Code / Description</b>	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	<b>Event Date</b>	<u>Problem</u>	Result	Completed	Condition
: DISDW: DRY WEATHER	3127540		06/28/2019	GAINES	HOTTEL	REPAIRED -	06/28/2019	ELECTRICAL	UNAUTHORIZED	07/02/19 02:12	
DISCHARGE						ISSUE		PROBLEMS AT	DISCHARGE-WATER	PM	
						RESOLVED		MSD	S		

# Discharge Reporting:

Discharge Amount:	9,000 GAL
Cause:	INTERIOR BUILDING POWER FAIL.
Clean Up:	NO CLEAN UP REQUIRED.
Control Zone:	NO CONTROL ZONE ESTABLISHED, PIPE DISCHARGE SUBMERGED, NO PUBLIC ACCESS.
Impact:	FIELD OBSERVATION OF DISCOLORATION ON DISCHARGE SIDE OF CSO019.
Repair:	MSD PERSONNEL RESTORED POWER AND STARTED PUMPS.
Public Notification:	PERMANENT OVERLOW WARNING SIGNS POSTED ALONG THE OHIO RIVER AT POINTS OF PUBLIC ACCESS.

#### Notifications:

6/28/19 10:42 am	DISNOT	EMAILED NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO HEATHER DODDS
6/28/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/28/19 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	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	<b>Event Date</b>	<u>Problem</u>	Result	Completed	Condition
: DISREV: RAIN EVENT	3117248		06/09/2019	DAVIS BROWN	MITCHELL	DOCUMENTED	08/01/1969	LACK OF	UNAUTHORIZED	06/11/19 01:45	MAIN
DISCHARGE								SYSTEM	DISCHARGE-WATER	AM	
								CAPACITY	S		

# Discharge Reporting:

Discharge Amount:	7,100,000 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 THE SIZE OF THE CREEK AND DIFFICULTY ACCESSING DISCHARGE AREAS.
Impact:	NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PERMANENT SIGNS ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

#### Notifications:

6/9/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/9/19 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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

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

**WO**# Initiated **Initiated By Assigned To Disch Status Event Date Problem** Condition Activity Code / Description Ref No Result Completed 3119623 6/16/2019 MITCHELL DAVIS BROWN DOCUMENTED 08/01/1969 LACK OF : DISREVRAIN EVENT UNAUTHORIZED 06/19/19 01:30 MAIN 10:30:00PM SYSTEM DISCHARGE DISCHARGE-WATER AM CAPACITY S

#### Discharge Reporting:

Discharge Amount:	2,400,000 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 NO PUBLIC ACCESS TO THE DISCHARGE SITE.
Impact:	NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

#### Notifications:

6/17/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/17/19 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



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

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

**WO**# Initiated **Initiated By Assigned To Disch Status Event Date Problem** Condition Activity Code / Description Ref No Completed Result 3126496 6/24/2019 MITCHELL DAVIS BROWN DOCUMENTED 08/01/1969 LACK OF : DISREVRAIN EVENT UNAUTHORIZED 06/25/19 01:30 MAIN 3:45:00PM SYSTEM DISCHARGE DISCHARGE-WATER AM CAPACITY S

#### Discharge Reporting:

Discharge Amount:	700,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED DISCHARGE, PIPE IS SUBMERGED.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHE THE PIPE DISCHARGES DIRECTLY TO STREAM (CREEK OR RIVER).
Impact:	NONE OBSERVED OVER FLOW NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT SIGNS ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

#### Notifications:

6/2	25/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/2	5/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

**Total Facilities Printed: 14** 

Total Work Orders Printed: 18