

700 West Liberty StreetLouisville, KY 40203-1911Phone: 502.540.6000LouisvilleMSD.org

March 16, 2023

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 February 1st through February 28th, 2023, are provided through NetDMR. The Morris Forman Water Quality Treatment Center (MFWQTC) did not meet permit for 30 day BOD, 7 day BOD, 30 day TSS, 7 day TSS, TSS and BOD percent removal reporting requirements.

Compromised solids handling equipment continue to contribute to our effluent exceedances. MSD has installed dewatering services at a satellite facility. This dewatering service has reduced the solids loading to the Morris Forman plant. The emergency dryer project has completed, and improved solids handling is online.

Should you have any questions, please contact me at (502) 540-6765.

Sincerely,

James Skinner Treatment Facilities Manager

Permit																				
Permit #:		Y0022411			Permittee:				Forman WQTC MSD				acility:			MORRIS FOR			)	
Major:	Ye	es		F	Permittee A	ddress:			Liberty St ille, KY 40203			F	acility Loo	cation:		4522 ALGONG LOUISVILLE, F		Y		
Permitted		)1 kternal Outfa	all	[	Discharge:			<b>001-1</b> MUNI	CIPAL DISCHARGE											
Report Da	ates & Status																			
Monitorin	g Period: Fr	om 02/01/2	23 to 02/28/23	C	DMR Due D	ate:		03/28/	23			S	Status:			NetDMR Valid	ated			
	ations for Form Completion																			
G - INFLU needed.	ENTE - SECONDARY EFFLUENT	Γ1 - FINAL I	EFFLUENT - Parameter 74055 - Use	Seaso	n 1 for sumr	ner months	s (May, June	e, July, August,	September, and October	r) and Se	eason 2 fo	or winter m	ionths (Nov	ember, Decem	nber, Janu	iary, February Mar	ch, and Ap	oril); en	ter NODI=9 for the	Season not
Principal	Executive Officer																			
First Nam	Ja	imes A		٦	Fitle:			Execu	tive Director			Т	elephone:			502-540-6000				
Last Nam		arrott																		
	ndicator (NODI)																			
Form NO				-																
Code	Parameter Name		Monitoring Location	Season	#Param. NOE		Qualifier 1		tity or Loading Qualifier 2 Value 2	Units	Qualifier	1 Value 1	Qualifier	Quality or Con 2 Value 2	Qualifier	3 Value 3	Units	# of E	x. Frequency of Analys	sis Sample Ty
						Sample					=	2.6					19 - mg/L		01/01 - Daily	GR - GRAE
00300	Oxygen, dissolved [DO]	1 - E	Effluent Gross	0		Permit Req.					>=	2.0 INST N	11N				19 - mg/L	0	01/01 - Daily	GR - GRAE
						Value NODI														
V						Sample Permit Reg.		7558.0 = Req Mon MO AVG	= 112211.0 Req Mon MX WK A	26 - lb/d			= <=	129.0 30.0 MO AVG	= <=	183.0 45.0 MX WK AV	19 - mg/L 19 - mg/L	_	01/01 - Daily 01/01 - Daily	CP - COMF CP - COMF
X 00310	BOD, 5-day, 20 deg. C	E - S	Secondary/Biological Process Complete	0		Value NODI				V 20 10/0			~=	50.0 MO / VO	~=	-10.0 MIX WICK	13 mg/E	2	onor Daily	
						Sample		23508.0 =	260414.0	26 - Ib/d			=	304.0	=	415.0	19 - mg/L		01/01 - Daily	CP - COMF
00310	BOD, 5-day, 20 deg. C	G - I	Raw Sewage Influent	0		Permit Req.		Req Mon MO AVG	Req Mon MX WK A					Req Mon MO AV	′G	Req Mon MX WK A		0	01/01 - Daily	CP - COMF
			Ĵ			Value NODI	1													
						Sample					=	6.2			=	6.7	12 - SU	_	01/01 - Daily	GR - GRAB
00400	рН	1 - E	Effluent Gross	0		Permit Req.					>=	6.0 MINIMU	JM		<=	9.0 MAXIMUM	12 - SU	0	01/01 - Daily	GR - GRAE
						Value NODI									_		10 11			
v	Oslida (stal susan and st			0		Sample Permit Reg.		30378.0 = Req Mon MO AVG	= 136026.0 Reg Mon MX WK A	26 - lb/d V 26 - lb/d			= <=	189.0 30.0 MO AVG	= <=	219.0 45.0 MX WK AV	19 - mg/L 19 - mg/L	2	01/01 - Daily 01/01 - Daily	CP - COMP CP - COMP
▲ 00530	Solids, total suspended	E - 3	Secondary/Biological Process Complete	0		Value NODI											0	2		
						Sample	= 2	17686.0 =	= 266123.0	26 - lb/d			=	283.0	=	325.0	19 - mg/L		01/01 - Daily	CP - COMF
00530	Solids, total suspended	G - I	Raw Sewage Influent	0		Permit Req.	. R	Req Mon MO AVG	Req Mon MX WK A	V 26 - Ib/d				Req Mon MO AV	′G	Req Mon MX WK A	V 19 - mg/L	0	01/01 - Daily	CP - COMF
			-			Value NODI	I													
						Sample		821.0 =		26 - lb/d		_	=	5.6	=	7.0	19 - mg/L	_	01/01 - Daily	CP - COMP
00610	Nitrogen, ammonia total [as N]	E - 8	Secondary/Biological Process Complete	0		Permit Req.		Req Mon MO AVG	Req Mon MX WK A	V 26 - Ib/d			<=	20.0 MO AVG	<=	30.0 MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMF
						Value NODI		275.0	8756.0	26 - Ib/d				11.0		10.4	10		01/01 Deilur	CP - COMP
00610	Nitrogen, ammonia total [as N]	G	Raw Sewage Influent	0		Sample Permit Req.		375.0 = Req Mon MO AVG	Req Mon MX WK A				=	11.2 Req Mon MO AV	= /G	13.4 Req Mon MX WK A	19 - mg/L / 19 - mg/L	0	01/01 - Daily 01/01 - Daily	CP - COMP
00010	Nitrogen, anniona totai [as N]	0-1	Naw Dewage mildent	U		Value NODI	1											0		
						Sample	= 84	4.5 =	96.74	03 - MGE	D								99/99 - Continuous	CN - CONT
50050	Flow, in conduit or thru treatment	plant E - S	Secondary/Biological Process Complete	0		Permit Req.	. R	Req Mon MO AVG	Req Mon DAILY M>	03 - MGE	C							0	99/99 - Continuous	CN - CONT
						Value NODI	1													
						Sample									<	0.016	19 - mg/L	_	01/01 - Daily	GR - GRAB
50060	Chlorine, total residual	1 - E	Effluent Gross	0		Permit Req. Value NODI									<=	0.019 DAILY MX	19 - mg/L	0	01/01 - Daily	GR - GRAB
														28.0		44.0	13 - #/100m	4	01/01 Doily	GR - GRAB
74055	Coliform, fecal general	1 - 5	Effluent Gross	2		Sample Permit Req.						_	= <=	28.0 1000.0 30DA GE	= :0<=	2000.0 7 DA GEO			01/01 - Daily 01/01 - Daily	GR - GRAB GR - GRAB
, -000	eenionii, ieeai general	1-6		-		Value NODI												0		
						Sample					=	58.0					23 - %		01/30 - Monthly	CA - CALC
<b>X</b> 81010	BOD, 5-day, percent removal	K - F	Percent Removal	0		Permit Req.					>=	85.0 MO M	lin				23 - %	1	01/30 - Monthly	CA - CALC
						Value NODI	1													
						Sample					=	33.0					23 - %	_	01/30 - Monthly	CA - CALCT
	Solids, suspended percent remova	al K.E	Percent Removal	0		Permit Req.					>=	85.0 MO M	IIN				23 - %	1	01/30 - Monthly	CA - CALCT

# DMR Copy of Record

	Value NODI			
	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 Che	eck Errors					
	Parameter	Monitoring Location	Field	Turno	Description	Acknowledge
Code	Name	Monitoring Location	Field	Туре	Description	Acknowledge
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. Please verify that the value you have provided is correct.	Yes
00310	BOD, 5-day, 20 deg. C	E - Secondary/Biological Process Complete	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	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. Please verify that the value you have provided is correct.	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. Please verify that the value you have provided is correct.	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. Please verify that the value you have provided is correct.	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. Please verify that the value you have provided is correct.	Yes

Comments

## Attachments

	Name	Туре	Size
CoverLetterFeb2023Signed.pdf		pdf	40976.0
MFWQTCMOR02023.pdf		pdf	115214.0
Morris_Forman_FeFeb.pdf		pdf	146955.0
Report Last Saved By			
Morris Forman WQTC MSD			
User:	AJOP1117		
Name:	Amber Pauly		
E-Mail:	amber.pauly@louisvillemsd.org		
Date/Time:	2023-03-16 09:12 (Time Zone: -04:00)		
Report Last Signed By			
User:	SKINNER@LOUISVILLEMSD.ORG		
Name:	James skinner		
E-Mail:	james.skinner@louisvillemsd.org		
Date/Time:	2023-03-16 14:18 (Time Zone: -04:00)		

# DMR Copy of Record

Permit																		
Permit #:		KY0022411		Pormittee			N.A.	orris Formo	n WQTC MSD			Facility			MORRIS FC	RMANIMOT		
				Permittee								-						
Major:		Yes		Permittee	Address:			0 W Liberty puisville, KY				Facility	Location:		4522 ALGOI LOUISVILLE		Ť	
Permitted		001 External Outfall		Discharge	e:			<b>1-B</b> ECONDARY	BYPASS									
Report Da	ates & Status																	
Monitorin	g Period:	From 02/01/23 to 02/28/23		DMR Due	Date:		03	/28/23				Status:			NetDMR Val	idated		
Consider	ations for Form Completion			1														
MONITOR	RING DURING PERIODS OF SE	CONDARY BYPASS IN ADDITION TO REGU	JLAR M	ONITORING	.1 - FINAL E	EFFLUENT	F - SECOND	ARY BYPA	SS AFTER PRIM	ARYTRE	ATMENT.							
Principal	Executive Officer																	
First Nam		James A		Title:			E	cecutive Dire	ector			Telepho	one:		502-540-600	0		
Last Nam	e:	Parrott																
	ndicator (NODI)																	
Form NOI																		
T OILIT ITOI	Parameter	Monitoring Location	Season	n # Param. NOD	DI		G	uantity or Lo	ading				Quality or Co	ncentration		# of	f Ex. Frequency of Analys	sis Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	-	Units	Qualifier 1 Va	alue 1 Qualifier	2 Value 2	Qualifier 3	Value 3	Units		
					Sample							=	156.0	=	282.0	19 - mg/L	17/30 - 17 Per Month	CP - COMPOS
00310 <b>B</b>	OD, 5-day, 20 deg. C	1 - Effluent Gross	0		Permit Req								Req Mon MO A	/G	Req Mon MX WK A	0 19 - mg/L	WH/DS - When Discharg	ging CP - COMPOS
					Value NOD													
					Sample Permit Req							=	207.0 Req Mon MO A	=	306.0 Req Mon MX WK AV	19 - mg/L / 19 - mg/l	17/30 - 17 Per Month WH/DS - When Discharg	CP - COMPOS
00310 <b>B</b>	OD, 5-day, 20 deg. C	F - Primary/Prelimary Process Complete	0		Value NOD											0	White S - When Discharg	
					Sample							_	176.0	_	251.0	19 - mg/L	17/30 - 17 Per Month	CP - COMPOS
00520	olids, total suspended	1 - Effluent Gross	0		Permit Req								Reg Mon MO A		Req Mon MX WK A		WH/DS - When Discharg	
00530 3	olius, total suspended	1 - Endent Gross	0		Value NOD											<u> </u>		
					Sample							=	196.0	=	234.0	19 - mg/L	17/30 - 17 Per Month	CP - COMPOS
00530 <b>S</b>	olids, total suspended	F - Primary/Prelimary Process Complete	0		Permit Req								Req Mon MO A	/G	Req Mon MX WK A		WH/DS - When Discharg	
••••••			Ū		Value NOD	1										J. J		
					Sample							=	7.4	=	8.5	19 - mg/L	17/30 - 17 Per Month	CP - COMPOS
00610 N	itrogen, ammonia total [as N]	1 - Effluent Gross	0		Permit Req								Req Mon MO A	/G	Req Mon MX WK A	/ 19 - mg/L 0	WH/DS - When Discharg	ging CP - COMPOS
					Value NOD													
					Sample							=	12.4	=	16.3	19 - mg/L	17/30 - 17 Per Month	CP - COMPOS
00610 N	itrogen, ammonia total [as N]	F - Primary/Prelimary Process Complete	0		Permit Req								Req Mon MO A	/G	Req Mon MX WK A	/ 19 - mg/L 0	WH/DS - When Discharg	ging CP - COMPOS
					Value NOD	1												
					Sample		17.7			03 - MGD							17/30 - 17 Per Month	CN - CONTIN
50050 F	low, in conduit or thru treatment	plant F - Primary/Prelimary Process Complete	0		Permit Req		Req Mon MO A	/G	Req Mon MX WK AV	03 - MGD						0	WH/DS - When Discharg	ging CN - CONTIN
					Value NOD	1												

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 AJOP1117 User: Name: Amber Pauly E-Mail: amber.pauly@louisvillemsd.org Date/Time: 2023-03-16 09:12 (Time Zone: -04:00) Report Last Signed By User: SKINNER@LOUISVILLEMSD.ORG

Name: E-Mail: Date/Time: James skinner james.skinner@louisvillemsd.org 2023-03-16 14:23 (Time Zone: -04:00)

### Format: Month/Day/Year e : 2/1/23 Enter Start Date :

#### MORRIS FORMAN WATER QUALITY TREATMENT CENTER JEFFERSON COUNTY, KENTUCKY MONTH OF February-23 RECEIVING STREAM-OHIO RIVER 120 MGD KPDES PERMIT NO. KY0022411 PLANT CAPACITY -

			r	TEMP		pH		SETS		TSS		D.O.		5-DAY BOD																
Г	MARTE	WATER FLO	M.9	(DEGF)				(M/L)		(mg/L)		(mg/L)		(mg/L)										ACTIVE		C	LORINATION		FINAL	
		illion Gallons)		(000)	_			(11/2)		(		(				RE	TURN SLUDGE			AER	ATION BASIN			Sludge	Primary	Chlorine	F	Fecal	EFFLUEN	п
		ec.												prim.		FLOW	TSS	TVSS	D.O	MLSS	MLVSS	SET	svi	Wasted	Sludge	Dosage	Resid	Coliform	NH3-N	Pump.
			vpass	raw	final	raw f	final	raw fin	al rav	v fir	nal	final	raw	final	final	MG	g/L	g/L.	mg/L	g/L	g/L			MG	MG	KLBS	mg/L	#/100 ml	mg/L	Hours
2/1/23	92,68	86.05	6.83	52	52	7.0	6.4	8.0	1.6	260	174	4.0	340	258	218	15.2	17.2	15.2	4.6	4.9	4.3	143	29	1.35	0.35	111.73	0.016	2500	9.3	0.0
2/2/23	92.43	85.90	6.53	53	53	6.9	6.7	9.0	1.2	324	134	4.4	304	235	142	15.5	16.6	15.1	5.0	4.6	4.2	152	34	1.36	0.38	114.26	0.016	4	6.0	0.0
2/3/23	81.50	78.95	2.55	55	55	7.0	6.4	8.0	0.7	263	127	4.5	312	288	176	15.2	18.0	16.4	3.8	2.5	2.3	157	63	1.29	0.24	114.26	0.016	4	3.5	0.0
2/4/23	78.96	78.96	0.00	51	51	7.0	6.3	8.0	1.5	270	165	4.2	298	291	216	15.5	18.1	16.0	2.5	3.0	2.6	200	67	1.15	0.22	9.35	0.016	4	8.5	0.0
2/5/23	79,46	79.46	0.00	58	58	6.9	6.3	1.0	1.6	260	197	4.3	382	297	191	15.9	20.3	18.2	3.4	3.5	3.1	188	54	1.15	0.10	14.28	0.016	20	1.7	0.0
2/6/23	75.69	75.69	0.00	58	58	6.9	6.3	5.0	2.5	224	240	5.9	326	241	202	15.9	17.9	16.1	4.6	3.7	3.3	202	54	1.15	0.23	17.41	0.016	16	7.9	0.0
2/7/23	79.25	79.25	0.00	60	60	6.9	6.3	7.5	3.1	300	232	4.9	493	358	363	16.6	13.7	12.4	2.5	3.1	2.8	197	60	1.10	0.36	21.96	0.016	116	10.9	0.0
2/8/23	78,91	77.68	1.23	59	59	6.8	6.3	11.5	2.5	316	226	4.7	450	367	295	16.8	13.3	12.0	3.0	3.4	3.1	193	25	1.24	0.36	24.21	0.016	3000	8.5	0.0
2/9/23	93.34	81.52	11.82	60	60	6.9	6.4	35.0	5.0	420	276	3.2	316	245	268	22.9	11.3	9.6	2.8	3.8	3.3	173	57	1.00	0.35	5.45	0.016	2900	8.4	0.0 0.0
2/10/23	81.01	81.01	0.00	59	59	6.8	6.3	10.2	1.1	368	177	4.8	400	344	245	29.3	12.3	11.1	4.9	5.1	4.5	232	74	1.14	0.33	8.62	0.016	375	10.1 4.0	0.0
2/11/23	69.13	69.13	0.00	60	60	6.9	6.2	11.0	0.5	328	169	4.7	531	393	269	30.0	13.1	11.6	7.7	3.6	3.2	241	70	1.06	0.20	11.75	0.016	375 116	1.8	0.0
2/12/23	67.29	67.29	0.00	59	59	6.9	6.2	10.0	2.5	302	226	6.1		285	260	29.6	14.7	13.2	8.9	3.7	3.3	259	69 56	0.40	0.09	15.51 19.46	0.016 0.016	110	7.7	0.0
2/13/23	69.35	69.35	0.00	59	59	6.9	6.3	5.2	2.8	224	236	4.6	454	306	257	29.0	10.0	9.3	7.8	3.1	2.8	279	56 78	0.79	0.26 0.35	23.71	0.016	15	11.5	0.0
2/14/23	73.76	73.76	0.00	60	60	6.9	6.2	8.0	2.8	316	232	5.3		250	215	31.2	12.7	11.3	5.8	3.0	2.6	283	69			26.29	0.016	2	13.4	0.0
2/15/23	73.07	72.77	0.30	63	63	6.7	6.3	10.1	1.2	368	177	3.9	328	249	200	32.4	8.9	7.7	4.8	2.7	2.3	254 288	90	1.18 1.10	0.34 0.36	6.33	0.016	20	11.2	18.0
2/16/23	114.44	84.87	29.57	61	61	6.6	6.3		9.8	288	384	2.6		173	226	32.3	11.2	9.8	12.3	4.6	4.0	288	90	0.98	0.30	11.75	0.016	160	4.6	24.0
2/17/23	141.95	87.57	54.38	56	56	7.1	6.5	1.8	1.8	110	167	7.0	135	147	132	32.0	10.9	9.8	21.1	2.9 3.0	2.5	294	99	0.49	0.07	16.29	0.016	148	2.9	24.0
2/18/23	154.33	85.94	68.39	53	53	6.8	6.5	2.3	1.8	140	143	6.5	166	180	167	31.9	11.3	9.9	15.8	3.0	2.7 2.6	269	57	0.49	0.07	20.48	0.016	120	8.0	24.0
2/19/23	142.96	85.90	57.06	59	59	7.1	6.4	3.5	2.4	143	191	4.9	159	171	158	31.3	13.3	11.8	16.2 17.6		2.0	209	95	0.82	0.28	23.83	0.016	180	9.3	24.0
2/20/23	120.54	92.14	28.40	59	59	7.1	6.5	5.0	1.5	196	124	6.5	170	112	89	31.1	13.8	12.2		2.6 3.6	2.2	198	95 66	1.06	0.28	23.83	0.016	4	7.0	24.0
2/21/23	106.63	95.63	11.00	60	60	7.0	6.5	14.0	1.2	303	128	6.3		176	86	31.0	17.3	14.8	9.2 5.9	3.9	3.2	214	70	1.00	0.33	29.01	0.016	17	7.0	24.0
2/22/23	114.43	109.11	5.32		61	6.7	6.5	13.0	0.9	608	118	6.7	223	160	95	31.2 30.3	13.8 14.9	11.8 13.5	3.4	4.6	4.0	232	89	0.96	0.34	1.59	0.016	4	4.3	24.0
2/23/23	120.07	117.79	2.28		61	6.8	6.3	8.0	0.3	208	106	3.5	193	153	61	30.3	14.9	13.5	3.4	3.7	3.3	252	73	0.35	0.12	2.89	0.016	20	3.0	24.0
2/24/23	105.29	105.26	0.03		62	6.9	6.3		0.4	310	110	3.5	238	224				10.1	5.0	4.2	3.7	327	85	0.94	0.12	3.83	0.016	4	2.3	12.0
2/25/23	85.06	85.06	0.00		61	6.8	6.4	7.0	10.0	244	312	6.8	431	307	208	31.1 30.7	11.3 14.9	13.5	7.2	4.2	4.0	340	74	0.94	0.13	3.83	0.016	71	0.8	0.0
2/26/23	80.72	80.72	0.00		61	7.0	6.2	9.0	0.3	300	124	3.9	231	181	56	30.7	14.9	15.5	9.5	3.7	3.3	339	91	1.06	0.21	4.29	0.016	4	3.7	0.0
2/27/23	116.20	102.05	14.15	64	64	6.9	6.3	13.0	5.0	276	249 228	4.2	222 260	154 180	140 125	30.4	12.9	10.1	9.5	4.2	3.7	383	87	0.96	0.23	4.29	0.016	108	12.5	0.0
2/28/23	78.42	77.21	1.21	63	63	6.8	6.5	7.0	3.2	244	228	4.2	260	100	125	735.7	11.3	10.1	5.1	7,2	5.7	505	57	27.57	7.08		0.010			222.0
Sum	2667.07	2366.02	301.05								400		204	24	183	26.3	13.8	12.3	7.4	3.6	3.2	245	69	0.98	0,25	24,81	0.016	28	6.8	
Average	95.25	84.50	17.71	59	59	9 6.9	6.4	9.0	2.5	283	192	4.9	304	24	183	20.3	13.0	12.3	7.4	3.0	5.2	240	00	0.00	0,20					

SEWER CONNECTIONS

594056 SEWER POPULATION

148514 TIMES 4 =

IND. WASTER POPULATION EQ CUSTOMERS

FLOW

BOD

TSS

405

468537

307614

815765

Certification No. 29841

Authorized Agent

MORRIS FORM	/AN WA	STEWATER	JEFFERSON	COUNTY, KY
Month of	Feb-23			
Average Flow				

### Average Flow

U				
	Primary		Secondary	
SETTLING T	ANKS	Battery A	Battery B	Battery C
Average Flo	94.68	39.77	5.54	13.55
Tanks in Se	2.00	8.0	8.0	4.0
Surface Are	38500.00	69200.00	69056.23	34600.00
Volume (M	4.17	7.09	7.07	3.54
Weir Lengt	1430.00	2868.00	2862.04	1434.00
Avg. Weir (	66206.54	13867.30	1934.79	9451.44
Avg. Settlir	2459.10	755.56	208.80	537.42
Avg. Deten	1.06	4.28	30.66	6.28
AERATION	TANKS	Battery A	Battery B	Battery C

Volume (Gallons)	4200000	4200000	2100000
Avg. Flow (MGD)	52.29	14.42	18.59
Avg. Detention Time (I	2.53	18.20	3.72

## CHLORINE CONTACT CHAMBERS

Contact Ch 2.0 Volume (G: 2340000 Avg. Deten 0.71



KPDES #	Facility ID	Water 0	Quality Treatm	ent Center	Recieving Stea	am of Discharge	Region				
KY0022411	MSD0278	MORRI	S FORMAN		OHIO RIVER		NA				
Facility Type	Facility ID	Facility	Address	If Pump Station	, Name of Statio	on	Recieving St	ream	Discharge To		
Sewer Manhole	02933	7900 S RD	SHELBYVILLE	MORRIS FORM	AN		MIDDLE FOR CREEK	K BEARGRASS	STREAM		
Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	3611826		2/16/2023 12:00:00 PM	DAVIS BROWN	FIELDS	DOCUMENTED	3/4/2008 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE- WATERS	02/17/23 08:20 AM	MAIN

### Discharge Reporting:

Discharge Amount:	100,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3612393.
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 TEMPORARY SIGNS AT DISCHARGE SITE TO AVOID CONTACT WITH DISCHARGED CONTENT.

2/16/23 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/16/23 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water 0	Water Quality Treatment Center		Recieving Steam of Discharge		Region				
KY0022411	MSD0278	MORRI	S FORMAN		OHIO RIVER		NA				
Facility Type	Facility ID	Facility	Address	If Pump Station	Pump Station, Name of Station Recieving Stream		ream	Discharge To			
Sewer Manhole	08935-SM	1001 BRECK	ENRIDGE LN	MORRIS FORM	AN		MIDDLE FORK BEARGRASS CREEK		STREAM		
Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	3611850		2/16/2023 9:30:00 AM	DAVIS BROWN	FIELDS	DOCUMENTED	11/29/2001 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE- WATERS	02/17/23 08:23 PM	MAIN

### Discharge Reporting:

Discharge Amount:	2,300,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEAN UP PERFORMED – PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM.
Control Zone:	NO CONTROL ZONE WAS SET- PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM.
Impact:	NONE OBSERVED, OVERFLOW NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVERFLOW SIGNS TO AVOID DISCHARGED CONTENT.

2/16/23	3 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/16/23	3 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water 0	Water Quality Treatment Center		Recieving Steam of Discharge Recieving Recieves		Region				
KY0022411	MSD0278	MORRI	MORRIS FORMAN		OHIO RIVER		ΝΑ				
Facility Type	Facility ID	Facility	Address	If Pump Station	n, Name of Station R		Recieving Stream		Discharge To		
Sewer Manhole	16649	1726 F	1726 FRASER DR MORRIS FORMAN SOUTH FORK BEARGRASS CREEK		K BEARGRASS	DITCH					
Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	3611854		2/16/2023 7:00:00 AM	DAVIS BROWN	HENDERSON SR	DOCUMENTED	1/24/2002 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE- WATERS	02/17/23 07:45 PM	MAIN

### Discharge Reporting:

Discharge Amount:	100,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEAN UP PERFORMED – PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM.
Control Zone:	NO CONTROL ZONE WAS SET- PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM.
Impact:	NONE OBSERVED, OVERFLOW NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR CARDS & PERMANENT OVERFLOW SIGNS TO AVOID DISCHARGED CONTENT.

2/16/23 1:00	РМ	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/16/23 1:00	PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water Quality T	reatment Center	Recieving Steam of Discharge F		Region					
KY0022411	MSD0278	MORRIS FORM	AN	OHIO RIVER		NA					
Facility Type	Facility ID	Facility Addres	Facility Address If Pump Station, Name of Station		on	Recieving Stream Disc		Discharge To			
Sewer Manhole	27008	1044 ALTA VIS RD	TA MORRIS FORM	IAN		MIDDLE FORK BEARGRASS CREEK		GROUND			
Activity Code / Description	WO #	Ref # Initiat	ed on Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition	
DISREV:RAIN EVENT DISCHARGE	3611819	2/16/2 9:45:0		I FIELDS	DOCUMENTED	7/1/2003 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE- WATERS	02/17/23 07:50 AM	MAIN	

### Discharge Reporting:

Discharge Amount:	16,500 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3612387.
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 TEMPORARY SIGNS AT DISCHARGE SITE TO AVOID CONTACT WITH DISCHARGED CONTENT.

á	2/16/23 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
ź	2/16/23 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water 0	Water Quality Treatment Center		Recieving Steam of Discharge F		Region				
KY0022411	MSD0278	MORRI	MORRIS FORMAN		OHIO RIVER		NA				
Facility Type	Facility ID	Facility Address If Pump Station, Name of Station			Recieving Stream Discharge To						
Sewer Manhole	27012	2408 (	GRAY FOX RD	MORRIS FORM	AN		MIDDLE FOR CREEK	K BEARGRASS	STREAM		
Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	3611817		2/16/2023 9:45:00 AM	DAVIS BROWN	FIELDS	DOCUMENTED	3/9/2019 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE- WATERS	02/17/23 07:50 AM	MAIN

### Discharge Reporting:

Discharge Amount:	110,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	MAGNITUDE OF STORM FLUSHED SOLIDS AND DEBRIS FROM SITE.
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 TEMPORARY SIGNS AT DISCHARGE SITE TO AVOID CONTACT WITH DISCHARGED CONTENT.

2/16/23 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/16/23 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water Quality Treatment Center			Recieving Steam of Discharge		Region					
KY0022411	MSD0278	MORRI	S FORMAN		OHIO RIVER	OHIO RIVER NA						
Facility Type	Facility ID	Facility	Facility Address If Pump Station, Name of Station			Recieving Stream Discharge To						
Sewer Manhole	28249	3500 S DR	ST EDWARDS	MORRIS FORM	AN		CHENOWETH RUN		DITCH			
Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition	
DISREV:RAIN EVENT DISCHARGE	3611833		2/16/2023 11:00:00 AN	DAVIS BROWN	BAILEY	DOCUMENTED	3/12/2006 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE- WATERS	02/17/23 05:20 AM	MAIN	

### Discharge Reporting:

Discharge Amount:	55,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3612314.
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 CARDS AND TEMPORARY SIGNS AT DISCHARGE SITE TO AVOID CONTACT WITH DISCHARGED CONTENT.

2/16/23 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/16/23 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water C	Water Quality Treatment Center			Recieving Steam of Discharge		Region					
KY0022411	MSD0278	MORRI	S FORMAN		OHIO RIVER	IIO RIVER NA							
Facility Type	Facility ID	Facility Address If Pump Station		, Name of Station		Recieving Stream		Discharge To					
Sewer Manhole	28250	3506 ( PKY	CHARLANE	MORRIS FORM	AN		CHENOWETH RUN		DITCH				
Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition		
DISREV:RAIN EVENT DISCHARGE	3611957		2/16/2023 3:20:00 PM	DAVIS BROWN	BAILEY	DOCUMENTED	1/3/2005 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE- WATERS	02/17/23 05:15 AM	MAIN		

### Discharge Reporting:

Discharge Amount:	20,875 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3612318.
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 CARDS & TEMP OVERFLOW SIGNS TO AVOID DISCHARGED CONTENT.

2	/17/23 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2	/17/23 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water G	ter Quality Treatment Center		Recieving Steam of Discharge		Region				
KY0022411	MSD0278	MORRI	S FORMAN		OHIO RIVER NA						
Facility Type	Facility ID	Facility	Address	If Pump Station	If Pump Station, Name of Station		Recieving Stream		Discharge To		
Sewer Manhole	28336	3620 ( PKY	CHARLANE	MORRIS FORM	AN		CHENOWETH	H RUN	DITCH		
Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	3611836		2/16/2023 11:10:00 AM	DAVIS BROWN	BAILEY	DOCUMENTED	8/30/2005 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE- WATERS	02/17/23 05:30 AM	MAIN

### Discharge Reporting:

Discharge Amount:	137,500 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3612317.
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 CARDS AND TEMPORARY SIGNS AT DISCHARGE SITE TO AVOID CONTACT WITH DISCHARGED CONTENT.

2/16/23 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/16/23 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water Quality Treatment Center		Recieving Steam of Discharge		Region						
KY0022411	MSD0278	MORRIS F	ORMAN		OHIO RIVER		NA					
Facility Type	Facility ID	Facility Ad	ddress	If Pump Station, Name of Station		on	Recieving Stream		Discharge To			
Sewer Manhole	28340	3620 CHA PKY	ARLANE	MORRIS FORM	AN		CHENOWETH RUN		GROUND			
Activity Code / Description	WO #	Ref # II	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition	
DISREV:RAIN EVENT DISCHARGE	3611835	_	2/16/2023 11:05:00 AM	DAVIS BROWN	BAILEY	DOCUMENTED	1/3/2005 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE- WATERS	02/17/23 05:25 AM	MAIN	

### Discharge Reporting:

Discharge Amount:	110,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3612315.
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 CARDS AND TEMPORARY SIGNS AT DISCHARGE SITE TO AVOID CONTACT WITH DISCHARGED CONTENT.

2/16/23 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/16/23 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water Quality	y Treatment Center	Recieving St	Recieving Steam of Discharge		Region					
KY0022411	MSD0278	MORRIS FOR	RMAN	OHIO RIVER	OHIO RIVER		NA					
Facility Type	Facility ID	Facility Addre	ess If Pump St	f Pump Station, Name of Station			Recieving Stream Discharge To					
Sewer Manhole	28451	3406 CHARL PKY	LANE MORRIS F	ORMAN		CHENOWET	H RUN	GROUND				
Activity Code / Description	WO #	Ref # Initi	iated on Initiated B	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition		
DISREV:RAIN EVENT DISCHARGE	3611831		6/2023 DAVIS BR( 50:00 AM	WN BAILEY	DOCUMENTED	10/28/2015 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE- WATERS	02/17/23 05:10 AM	MAIN		

### Discharge Reporting:

Discharge Amount:	27,500 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3612312.
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 CARDS AND TEMPORARY SIGNS AT DISCHARGE SITE TO AVOID CONTACT WITH DISCHARGED CONTENT.

2/16/23 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/16/23 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water Quality Treatment Center			Recieving Steam of Discharge		Region					
KY0022411	MSD0278	MORRIS FORMAN			OHIO RIVER		NA					
Facility Type	Facility ID	Facility A	Address	If Pump Station	Pump Station, Name of Station F			Recieving Stream Di		Discharge To		
Sewer Manhole	28452	3402 Cł PKY	HARLANE	MORRIS FORM	AN		CHENOWETH	H RUN	DITCH			
Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition	
DISREV:RAIN EVENT DISCHARGE	3611830		2/16/2023 10:45:00 AM	DAVIS BROWN	BAILEY	DOCUMENTED	11/30/2019 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE- WATERS	02/17/23 05:05 AM	MAIN	

### Discharge Reporting:

Discharge Amount:	27,625 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3612311.
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 CARDS AND TEMPORARY SIGNS AT DISCHARGE SITE TO AVOID CONTACT WITH DISCHARGED CONTENT.

2/16/23 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/16/23 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water Quality Treatment Center			Recieving Steam of Discharge R		Region						
KY0022411	MSD0278	MORRIS FO	MORRIS FORMAN			OHIO RIVER		NA					
Facility Type	Facility ID	Facility Add	dress	If Pump Station	f Pump Station, Name of Station		Recieving Stream		Discharge To				
Sewer Manhole	28453	3402 CHAI PKY	RLANE	MORRIS FORM	AN		CHENOWETH RUN		DITCH				
Activity Code / Description	WO #	Ref # In	nitiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition		
DISREV:RAIN EVENT DISCHARGE	3611829		/16/2023 0:40:00 AM	DAVIS BROWN	BAILEY	DOCUMENTED	10/28/2015 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE- WATERS	02/17/23 05:00 AM	MAIN		

### Discharge Reporting:

Discharge Amount:	220,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3612309
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 CARDS AND TEMPORARY SIGNS AT DISCHARGE SITE TO AVOID CONTACT WITH DISCHARGED CONTENT.

2/16/23 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/16/23 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water Quality Treatment Center			Recieving Steam of Discharge F		Region						
KY0022411	MSD0278	MORRI	MORRIS FORMAN			OHIO RIVER NA		NA					
Facility Type	Facility ID	Facility	Address	If Pump Station, Name of Station			Recieving Stream Discharge To						
Sewer Manhole	45796	1011 /	ALTA CIR	MORRIS FORM	AN		MIDDLE FOR CREEK	K BEARGRASS	DITCH				
Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition		
DISREV:RAIN EVENT DISCHARGE	3611820		2/16/2023 9:45:00 AM	DAVIS BROWN	FIELDS	DOCUMENTED	5/10/2014 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE- WATERS	02/17/23 07:55 AM	MAIN		

### Discharge Reporting:

Discharge Amount:	352,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3612388.
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 TEMPORARY SIGNS AT DISCHARGE SITE TO AVOID CONTACT WITH DISCHARGED CONTENT.

2/16/23 1:00	РМ	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/16/23 1:00	PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water C	Quality Treatm	ent Center	Recieving Stea	am of Discharge	Region				
KY0022411	0022411 MSD0278 MORRIS FORMAN			OHIO RIVER		NA					
Facility Type	Facility ID	Facility	Address	If Pump Station	, Name of Station		Recieving Stream		Discharge To		
Sewer Manhole	ewer Manhole 47582 201 BULLITT LN		JLLITT LN	MORRIS FORMAN			MIDDLE FORK BEARGRASS CREEK		STREAM		
Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	3611824		2/16/2023 11:50:00 AM	DAVIS BROWN	FIELDS	DOCUMENTED	12/5/2011 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE- WATERS	02/17/23 08:20 AM	MAIN

### Discharge Reporting:

Discharge Amount:	180,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3612392
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 TEMPORARY SIGNS AT DISCHARGE SITE TO AVOID CONTACT WITH DISCHARGED CONTENT.

2/16/23 1:00	PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/16/23 1:00	PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID				Recieving Steam of Discharge OHIO RIVER		Region					
KY0022411	MSD0278						NA					
Facility Type	Facility ID	Facility	Address	If Pump Station	, Name of Station		Recieving Stream		Discharge To			
Sewer Manhole 47583 202 OXMOOR LN			MORRIS FORM	MORRIS FORMAN			K BEARGRASS	STREAM				
Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition	
DISREV:RAIN EVENT DISCHARGE	3611823		2/16/2023 11:50:00 AM	DAVIS BROWN	FIELDS	DOCUMENTED	2/6/2008 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE- WATERS	02/17/23 08:20 AM	MAIN	

### Discharge Reporting:

Discharge Amount:	320,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3612391.
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 TEMPORARY SIGNS AT DISCHARGE SITE TO AVOID CONTACT WITH DISCHARGED CONTENT.

á	2/16/23 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
ź	2/16/23 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water (	Quality Treatm	ent Center	Recieving Stea	am of Discharge	Region				
KY0022411	022411 MSD0278 MORRIS FORMAN		OHIO RIVER		NA						
Facility Type	Facility ID	Facility	Address	If Pump Station	, Name of Station		Recieving Stream		Discharge To		
Sewer Manhole	er Manhole 47593 8021 CHRISTIAN CT MORRIS F			MORRIS FORM	AN		MIDDLE FORK BEARGRASS CREEK		GROUND		
Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	3611990		2/16/2023 5:05:00 PM	DAVIS BROWN	FIELDS	DOCUMENTED	3/19/2008 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE- WATERS	02/17/23 08:30 AM	MAIN

### Discharge Reporting:

Discharge Amount:	30,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3612397.
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 NOTFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND PERMANENT SIGNS POSTED ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

2/17/23 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/17/23 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water 0	Water Quality Treatment Center		Recieving Steam of Discharge R		Region					
KY0022411	MSD0278	MORRI	MORRIS FORMAN		OHIO RIVER	OHIO RIVER M		NA				
Facility Type				If Pump Station	n, Name of Station		Recieving Stream		Discharge To			
Sewer Manhole	hole 65623 1804 ROUND RIDGI RD		ROUND RIDGE	MORRIS FORM	ORRIS FORMAN			K BEARGRASS	STREAM			
Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition	
DISREV:RAIN EVENT DISCHARGE	3612301		2/17/2023 6:05:00 AM	DAVIS BROWN	FIELDS	QUEUED FOR INVESTIGATIO N / REPAIR	2/17/2023 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE- WATERS	02/17/23 09:00 AM	MAIN	

### Discharge Reporting:

Discharge Amount:	270,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	CLEAN UP NOT PERFORMED DUE TO INABILITY TO ACCESS DISCHARGE SITE.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHED, DUE TO INABILITY TO ACCESS DISCHARGE SITE.
Impact:	MANHOLE DISCHARGING INTO CREEK.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT SIGNS POSTED ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

#### Notifications:

2/17/23 1:00 PM DISNOT EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV



KPDES #	Facility ID	Facility ID Water Quality Treatment Center Re			Recieving Stea	am of Discharge	Region					
KY0022411	2411 MSD0278 MORRIS FORMAN		OHIO RIVER		NA							
Facility Type	Facility ID	Facility	Address	If Pump Station	, Name of Station		Recieving Stream		Discharge To			
Sewer Manhole	wer Manhole 84155 7913 SHELBYVILLE MORRIS FOR RD			MORRIS FORM	AN		MIDDLE FORK BEARGRASS CREEK		GROUND			
Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition	
DISREV:RAIN EVENT DISCHARGE	3611828		2/16/2023 12:10:00 PM	DAVIS BROWN	FIELDS	DOCUMENTED	3/10/2011 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE- WATERS	02/17/23 08:35 AM	MAIN	

### Discharge Reporting:

Discharge Amount:	80,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3612395.
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 CARDS AND TEMPORARY SIGNS AT DISCHARGE SITE TO AVOID CONTACT WITH DISCHARGED CONTENT.

2/16/23 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/16/23 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water 0	Water Quality Treatment Center			am of Discharge	Region					
KY0022411	MSD0278	MORRI	S FORMAN		OHIO RIVER		NA					
Facility Type	Facility ID	Facility	Address	If Pump Station	, Name of Static	on	Recieving Stream		Discharge To			
Sewer Manhole	90700	8021 (	CHRISTIAN CT	MORRIS FORM	AN		MIDDLE FORK BEARGRASS CREEK		CATCH BASIN			
Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition	
DISREV:RAIN EVENT DISCHARGE	3611989		2/16/2023 5:05:00 PM	DAVIS BROWN	FIELDS	DOCUMENTED	3/19/2008 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE- WATERS	02/17/23 08:25 AM	MAIN	

### Discharge Reporting:

Discharge Amount:	22,500 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3612396.
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 CARDS & TEMP OVERFLOW SIGNS TO AVOID DISCHARGED CONTENT.

:	2/17/23 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
:	2/17/23 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water 0	Quality Treatm	ent Center	Recieving Stea	am of Discharge	Region				
KY0022411	MSD0278	MORRI	S FORMAN		OHIO RIVER		NA				
Facility Type	Facility ID	Facility	Address	If Pump Station	, Name of Statio	on	Recieving Stream		Discharge To		
Sewer Manhole	IS021A-SI		OLD DNS LN	MORRIS FORM	AN		MIDDLE FORK BEARGRASS CREEK		STREAM		
Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	3611849		2/16/2023 8:15:00 AM	DAVIS BROWN	FIELDS	DOCUMENTED	8/1/1969 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE- WATERS	02/17/23 11:00 PM	MAIN

### Discharge Reporting:

Discharge Amount:	2,400,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEAN UP PERFORMED – PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM.
Control Zone:	NO CONTROL ZONE WAS SET- PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM.
Impact:	NONE OBSERVED, OVERFLOW NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVERFLOW SIGNS TO AVOID DISCHARGED CONTENT.

2/16/23 1:00	РМ	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/16/23 1:00	PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION