



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

December 19, 2018

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

Re: Morris Forman Water Quality Treatment Center  
KPDES Permit No. KY0022411

Dear Ms. Dennis:

In accordance with the provisions of the KPDES Permit referenced above, the monthly Discharge Monitoring Report (DMR) and monthly Discharge (overflow) Reports for the reporting period November 1<sup>st</sup> to November 30<sup>th</sup> 2018 are provided through NetDMR. The Morris Forman Water Quality Treatment Center (MFWQTC) did not meet 30 day TSS, 7 day TSS, 30 day BOD, 7 day BOD, and TSS Percent Removal for the reporting period.

Compromised solids handling equipment is contributing to the exceedances. MFWQTC continues to employ additional solids processing methods: dewatered cake and an outside vendor to assist with solids handling in addition to purchasing additional Liquid Oxygen 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

<b>Permit</b>					
Permit #:	KY0022411	Permittee:	Morris Forman WQTC MSD	Facility:	MORRIS FORMAN WQTC 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:	001-1 MUNICIPAL DISCHARGE		

<b>Report Dates &amp; Status</b>					
Monitoring Period:	From 11/01/18 to 11/30/18	DMR Due Date:	12/28/18	Status:	NetDMR Validated

**Considerations for Form Completion**  
 G - INFLUENTE - SECONDARY EFFLUENT1 - FINAL EFFLUENT - Parameter 74055 - Use Season 1 for summer months (May, June, July, August, September, and October) and Season 2 for winter months (November, December, January, February March, and April); enter NODI=9 for the Season not needed.

<b>Principal Executive Officer</b>					
First Name:	James A	Title:	Executive Director	Telephone:	502-540-6000
Last Name:	Parrott				

**No Data Indicator (NODI)**  
 Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type		
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3				Value 3	Units
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample	=	3.3								19 - mg/L	0	01/01 - Daily	GR - GRAB	
					Permit Req.	>=	2 INST MIN								19 - mg/L		01/01 - Daily	GR - GRAB	
					Value NODI														
X 00310	BOD, 5-day, 20 deg. C	E - Secondary/Biological Process Complete	0	--	Sample	=	35033	=	49292	26 - lb/d		=	48	=	65	19 - mg/L	2	01/01 - Daily	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L		01/01 - Daily	CP - COMPOS
					Value NODI														
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	--	Sample	=	226996	=	281464	26 - lb/d		=	310	=	366	19 - mg/L	0	01/01 - Daily	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d			Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMPOS
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	6.2					=	6.8		12 - SU	0	01/01 - Daily	GR - GRAB	
					Permit Req.	>=	6 MINIMUM					<=	9 MAXIMUM		12 - SU		01/01 - Daily	GR - GRAB	
					Value NODI														
X 00530	Solids, total suspended	E - Secondary/Biological Process Complete	0	--	Sample	=	68587	=	97522	26 - lb/d		=	93	=	128	19 - mg/L	2	01/01 - Daily	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L		01/01 - Daily	CP - COMPOS
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	274346	=	307180	26 - lb/d		=	369	=	442	19 - mg/L	0	01/01 - Daily	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d			Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMPOS
					Value NODI														
00610	Nitrogen, ammonia total [as N]	E - Secondary/Biological Process Complete	0	--	Sample	=	5295	=	6701	26 - lb/d		=	7.4	=	10.5	19 - mg/L	0	01/01 - Daily	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		<=	20 MO AVG	<=	30 MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMPOS
					Value NODI														
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	7712	=	8075	26 - lb/d		=	10.5	=	12.6	19 - mg/L	0	01/01 - Daily	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d			Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMPOS
					Value NODI														
X 50050	Flow, in conduit or thru treatment plant	E - Secondary/Biological Process Complete	0	--	Sample	=	88.76			03 - MGD							0	99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								99/99 - Continuous	CN - CONTIN
					Value NODI														
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample							=	0.016		19 - mg/L	0	01/01 - Daily	GR - GRAB	
					Permit Req.							<=	0.019 DAILY MX		19 - mg/L		01/01 - Daily	GR - GRAB	
					Value NODI														
74055	Coliform, fecal general	1 - Effluent Gross	2	--	Sample							=	47	=	142	13 - #/100mL	0	01/01 - Daily	GR - GRAB
					Permit Req.							<=	1000 30DA GEO	<=	2000 7 DA GEO	13 - #/100mL		01/01 - Daily	GR - GRAB
					Value NODI														
81010	BOD, 5-day, percent removal	K - Percent Removal	0	--	Sample						=	85			23 - %	0	01/30 - Monthly	CA - CALCTD	
					Permit Req.						>=	85 MO MIN			23 - %		01/30 - Monthly	CA - CALCTD	
					Value NODI														
X 81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	75			23 - %	1	01/30 - Monthly	CA - CALCTD	
					Permit Req.						>=	85 MO MIN			23 - %		01/30 - Monthly	CA - CALCTD	
					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.

<b>Edit Check Errors</b>						
Code	Parameter Name	Monitoring Location	Field	Type	Description	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
50050	Flow, in conduit or thru treatment plant	E - Secondary/Biological Process Complete	Quantity or Loading Sample Value 2	Soft	The permit limit value does not have a sample value or NODI selection. (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
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

**Comments**

**Attachments**

Name	Type	Size
MFWQTCoverletter112018.pdf	pdf	30214
November2018_OverflowReport_MorrisForman.pdf	pdf	143784
MFWQTCMOR112018.pdf	pdf	89437

**Report Last Saved By**

**Morris Forman WQTC MSD**

User: kessel@louisvillemsd.org  
 Name: John Kessel  
 E-Mail: kessel@louisvillemsd.org  
 Date/Time: 2018-12-19 14:30 (Time Zone: -05:00)

**Report Last Signed By**

User: kessel@louisvillemsd.org  
 Name: John Kessel  
 E-Mail: kessel@louisvillemsd.org  
 Date/Time: 2018-12-19 14:32 (Time Zone: -05:00)

**DMR Copy of Record**

<b>Permit</b>			
Permit #:	KY0022411	Permittee:	Morris Forman WQTC MSD
Major:	Yes	Permittee Address:	700 W Liberty St Louisville, KY 40203
Permitted Feature:	001 External Outfall	Discharge:	001-B SECONDARY BYPASS
Facility:		Facility Location:	MORRIS FORMAN WQTC MSD 4522 ALGONQUIN PKWY LOUISVILLE, KY 40211

<b>Report Dates &amp; Status</b>			
Monitoring Period:	From 11/01/18 to 11/30/18	DMR Due Date:	12/28/18
Status:	NetDMR Validated		

**Considerations for Form Completion**  
 MONITORING DURING PERIODS OF SECONDARY BYPASS IN ADDITION TO REGULAR MONITORING.1 - FINAL EFFLUENTF - SECONDARY BYPASS AFTER PRIMARYTREATMENT.

<b>Principal Executive Officer</b>			
First Name:	James A	Title:	Executive Director
Last Name:	Parrott	Telephone:	502-540-6000

**No Data Indicator (NODI)**  
 Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3			
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample						=	77	=	139	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.										19 - mg/L		
					Value NODI												
00310	BOD, 5-day, 20 deg. C	F - Primary/Preliminary Process Complete	0	--	Sample						=	210	=	247	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.										19 - mg/L		
					Value NODI												
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample						=	133	=	261	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.										19 - mg/L		
					Value NODI												
00530	Solids, total suspended	F - Primary/Preliminary Process Complete	0	--	Sample						=	227	=	266	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.										19 - mg/L		
					Value NODI												
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample						=	7.2	=	11.8	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.										19 - mg/L		
					Value NODI												
00610	Nitrogen, ammonia total [as N]	F - Primary/Preliminary Process Complete	0	--	Sample						=	14.1	=	17.1	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.										19 - mg/L		
					Value NODI												
50050	Flow, in conduit or thru treatment plant	F - Primary/Preliminary Process Complete	0	--	Sample	=	12.31	=	51.52	03 - MGD					12/30 - Twelve Per Month WH/DS - When Discharging	CN - CONTIN CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD							0
					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: 2018-12-19 14:32 (Time Zone: -05:00)

**Report Last Signed By**  
 User: kessel@louisvillemsd.org  
 Name: John Kessel  
 E-Mail: kessel@louisvillemsd.org  
 Date/Time: 2018-12-19 14:32 (Time Zone: -05:00)

Format: Month/Day/Year

Enter Start Date : 11/1/18

MORRIS FORMAN WATER QUALITY TREATMENT CENTER JEFFERSON COUNTY, KENTUCKY MONTH OF November-18  
 KPDES PERMIT NO. KY0022411 PLANT CAPACITY -- 120 MGD RECEIVING STREAM-OHIO RIVER

DATE	WASTEWATER FLOWS (Million Gallons)			TEMP (DEGF)		pH		SETS (M/L)		TSS (mg/L)		D.O. (mg/L)	5-DAY BOD (mg/L)			RETURN SLUDGE			AERATION BASIN				ACTIVE	CHLORINATION			FINAL EFFLUENT			
	Final Effluent	Sec. Effluent	Bypass	raw	final	raw	final	raw	final	raw	final	final	raw	prim. final	final	FLOW MG	TSS g/L	TVSS g/L	D.O. mg/L	MLSS g/L	MLVSS g/L	SET	SVI	Sludge Wasted MG	Primary Sludge MG	Chlorine Dosage KLBS	Resid mg/L	Fecal Coliform #/100 ml	NH3-N mg/L	Pump. Hours
11/1/18	179.26	127.74	51.52	67	67	7.1	6.2	4.9	3.4	216	122	6.5	106	49	88	25.5	24.6	20.9	24.9	2701.9	1801.6	132	41	1.33	0.30	5.03	0.016	2950	3	10.6
11/2/18	88.54	82.36	6.18	64	64	7.4	6.7	9.5	2.0	291	158	5.4	244	121	78	25.6	19.8	16.4	18.5	3500.0	2880.0	183	61	1.39	0.32	4.73	0.016	34	3	24.0
11/3/18	122.24	111.83	10.41	62	62	7.1	6.4	8.0	1.7	334	124	4.2	300	150	90	25.8	15.1	12.4	17.4	2251.6	1951.3	123	51	1.43	0.20	5.06	0.016	45	3	24.0
11/4/18	104.87	102.19	2.68	63	63	7.3	6.5	7.4	0.2	193	44	4.8	118	128	37	25.9	18.2	15.1	18.2	4602.8	3902.4	123	47	1.34	0.29	4.01	0.016	200	4	24.0
11/5/18	119.26	107.24	12.02	68	68	7.5	6.6	8.4	0.1	236	86	4.6	151	157	73	25.2	20.0	16.7	20.2	4154.3	3553.5	178	43	1.30	0.28	2.94	0.016	214	10	25.0
11/6/18	116.68	101.80	14.88	65	65	7.2	6.3	6.4	0.3	204	48	4.1	99	54	32	25.1	18.0	14.9	18.7	1351.2	1101.0	150	26	1.30	0.22	3.21	0.016	54	6	24.0
11/7/18	108.96	108.96	0.00	61	61	7.4	6.8	5.4	0.2	172	22	7.5	147	94	14	24.8	14.8	12.2	20.9	2401.0	2130.9	104	56	1.08	0.24	2.19	0.016	113	8	24.0
11/8/18	99.56	99.56	0.00	63	63	7.2	6.5	7.15	0.1	580	22	10.0	313	146	16	24.7	12.9	10.5	20.1	2521.1	2060.9	118	53	1.20	0.12	1.62	0.016	50	6	24.0
11/9/18	89.17	88.96	0.21	61	61	7.0	6.5	10.0	0.1	234	25	6.9	220	122	15	24.3	13.4	11.1	19.5	2100.8	1820.6	124	51	1.31	0.23	2.36	0.016	4	7	24.0
11/10/18	74.81	74.81	0.00	61	61	7.2	6.7	9.0	0.1	263	22	7.9	262	116	11	24.3	12.8	10.6	22.4	2250.9	2200.8	119	59	1.26	0.13	1.45	0.016	16	9	24.0
11/11/18	74.29	74.29	0.00	59	59	7.2	6.4	12.1	0.1	372	15	7.1	301	260	13	24.5	13.9	11.8	19.5	4001.3	3551.1	129	58	1.25	0.08	1.72	0.016	15	5	24.0
11/12/18	80.62	80.62	0.00	66	66	7.1	6.4	16.1	0.1	492	22	6.6	359	261	14	24.2	14.9	12.5	16.8	4701.9	4151.8	159	49	1.26	0.27	1.72	0.016	3	19	24.0
11/13/18	81.16	81.16	0.00	60	60	7.2	6.4	12.2	0.2	376	24	6.0	343	261	14	24.1	18.4	15.2	13.6	6953.9	5703.2	180	44	1.28	0.21	1.80	0.016	29	9	24.0
11/14/18	74.00	72.21	1.79	60	60	7.1	6.4	22.1	0.2	596	22	3.9	506	303	15	24.2	19.4	16.1	12.8	3352.0	2951.8	227	31	1.24	0.22	1.89	0.016	19	12	24.0
11/15/18	128.86	100.36	28.50	54	54	7.1	6.4	11.2	16.1	268	460	7.5	174	109	162	24.7	18.6	15.4	19.1	3642.2	3061.8	226	67	1.37	0.33	5.08	0.016	4	10	24.0
11/16/18	115.09	106.37	8.72	56	56	7.1	6.6	13.0	0.5	260	62	6.0	265	161	51	24.8	18.3	15.2	17.4	4321.8	3661.5	160	46	1.36	0.31	3.20	0.016	660	5	24.0
11/17/18	86.74	86.74	0.00	62	62	6.9	6.3	13.5	0.1	404	18	7.0	391	218	10	24.8	19.0	15.6	12.8	3641.9	3181.6	192	53	1.37	0.34	3.34	0.016	58	2	24.0
11/18/18	87.81	87.81	0.00	60	60	6.8	6.4	18.0	0.2	566	32	5.8	504	254	14	24.8	18.3	15.3	12.3	6262.5	5342.1	201	57	1.36	0.21	2.91	0.016	24	2	24.0
11/19/18	89.65	89.65	0.00	60	60	6.8	6.2	53.0	0.2	532	39	3.9	496	330	27	24.7	20.1	16.9	11.7	5362.6	4582.2	207	39	1.37	0.17	2.38	0.016	26	4	24.0
11/20/18	86.92	86.92	0.00	61	61	6.7	6.3	16.0	7.5	476	304	3.3	438	281	176	24.8	21.5	17.9	7.7	4532.2	3831.8	232	49	1.37	0.29	3.41	0.016	250	9	24.0
11/21/18	76.39	76.39	0.00	62	62	6.8	6.4	12.5	0.3	256	114	5.1	296	373	64	24.7	20.8	17.7	6.4	5502.5	4672.1	261	64	1.32	0.39	3.30	0.016	24	11	24.0
11/22/18	68.06	68.06	0.00	62	62	6.8	6.3	31.0	0.3	988	98	5.4	646	295	51	24.7	20.3	17.2	5.5	5422.6	4642.3	320	66	1.32	0.29	3.11	0.016	108	4	24.0
11/23/18	70.75	70.75	0.00	61	61	7.2	6.3	20.0	2.5	472	186	6.6	322	208	96	24.6	19.1	16.3	11.8	4122.0	3501.7	331	66	1.28	0.22	2.40	0.016	8	7	24.0
11/24/18	96.84	89.92	6.92	61	61	7.1	6.3	12.0	8.5	333	343	5.2	173	124	208	25.0	18.5	15.6	19.1	3922.2	3302.9	228	59	1.33	0.22	2.79	0.016	124	10	24.0
11/25/18	74.03	74.03	0.00	61	61	7.2	6.5	11.0	0.1	211	25	7.0	234	176	18	24.9	16.0	13.5	16.7	3862.0	3261.7	242	63	1.30	0.15	1.41	0.016	24	11	24.0
11/26/18	87.57	83.65	3.92	56	56	7.1	6.5	16.0	1.5	376	98	10.7	246	174	70	25.5	17.1	14.3	17.5	4262.0	3681.7	222	61	1.35	0.13	1.87	0.016	8	14	24.0
11/27/18	72.14	72.14	0.00	57	57	6.9	6.5	13.0	0.3	340	15	8.7	402	342	13	25.4	18.4	15.4	13.9	4722.2	3981.9	246	61	1.37	0.10	1.60	0.016	6	16	24.0
11/28/18	74.45	74.45	0.00	60	60	6.9	6.8	18.0	0.5	372	51	5.2	476	407	37	25.3	19.9	16.9	6.0	4522.3	3922.0	274	63	1.37	0.20	1.85	0.016	53	13	24.0
11/29/18	89.19	89.19	0.00	62	62	6.8	6.2	7.0	3.0	328	208	5.6	345	283	104	25.2	20.6	17.7	7.2	3801.9	3331.6	257	60	1.36	0.33	2.73	0.016	340	12	24.0
11/30/18	92.73	92.73	0.00	67	67	7.0	6.5	10.0	7.5	320	332	4.4	437	352	203	25.2	20.6	17.7	4.1	3700.0	3210.0	227	61	1.37	0.32	2.90	0.016	1020	9	24.0
Sum	2810.6	2662.9	147.8																				39.552	7.102						707.1
Average	93.7	88.8	12.3	61.4	61.4	7.1	6.4	15.9	1.9	368.7	104.7	6.1	310.5	210.3	60.5	24.9	18.1	15.2	15.1	3948.3	3364.3	195.8	53.5	1.3	0.2	2.8	0.0	46.7	8.0	

SEWER CONNECTIONS

147859 TIMES 4 =

591436 SEWER POPULATION

IND. WASTER POPULATION EQ

CUSTOMERS 380

FLOW 309339

BOD 828900

TSS 799795

Authorized Agent

Certification No. 26893

MORRIS FORMAN WASTEWATER TREATMENT PLANT      JEFFERSON COUNTY, KY

Month of Nov-18

Average Flow

SETTLING TANKS	Primary	Secondary		
		Battery A	Battery B	Battery C
Average Flow (MGD)	94.58	24.44	26.34	4.78
Tanks in Service	4.00	6.0	6.0	3.0
Surface Area (Ft.2)	77000.00	60550.00	60550.00	27795.69
Volume (MG)	8.33	6.20	6.20	2.85
Weir Length (Ft.)	2860.00	2509.50	2509.50	1151.99
Avg. Weir Overflow (GPD/Ft)	33070.41	9738.98	10496.22	4152.04
Avg. Settling Rate (GPD/Ft2)	1228.33	585.30	600.17	312.34
Avg. Detention Time	2.11	6.09	5.65	14.29

AERATION TANKS	Battery A	Battery B	Battery C
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Volume (Gallons)	4200000	4200000	2100000
Avg. Flow (MGD)	35.44	36.34	8.68
Avg. Detention Time (Hours)	4.12	3.83	10.54

CHLORINE CONTACT CHAMBERS
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Contact Chambers in Use	2.0
Volume (Gallons)	2340000
Avg. Detention Time (Hours)	1.15

Remarks: BY-PASS REPORTS (See Attached)



Report Selections: Period: 11/01/2018 00:00 thru 11/30/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	08935-SM	1001 BRECKENRIDGE LN		MIDDLE FORK BEARGRASS CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3004512		11/01/2018	BROWN	MITCHELL	DOCUMENTED	11/29/2001	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	11/02/18 12:30 PM	

**Discharge Reporting:**

Discharge Amount:	526,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEAN UP REQUIRED DISCHARGED PIPE IS SUBMERGED UNDERGROUND.
Control Zone:	CONTROL ZONE IS NOT REQUIRED, MANHOLE DISCHARGED DIRECTLY INTO THE CREEK.
Impact:	NONE OBSERVED. NOTIFICATION RECIEVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION IS INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

**Notifications:**

11/1/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/1/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 11/01/2018 00:00 thru 11/30/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRAIN EVENT DISCHARGE	3006481		11/5/2018 10:55:00PM	MITCHELL	BROWN	DOCUMENTED	11/29/2001	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	11/06/18 03:32 PM	

**Discharge Reporting:**

Discharge Amount:	878,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEAN UP REQUIRED. DISCHARGED PIPE IS SUBMERGED UNDERGROUND.
Control Zone:	CONTROL ZONE IS NOT REQUIRED, MANHOLE DISCHARGED DIRECTLY INTO THE CREEK.
Impact:	NONE OBSERVED. NOTIFICATION RECIEVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION IS INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

**Notifications:**

11/6/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/6/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



Report Selections: Period: 11/01/2018 00:00 thru 11/30/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRAIN EVENT DISCHARGE	3012326		11/15/2018 7:29:00AM	MITCHELL	BROWN	DOCUMENTED	11/29/2001	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	11/15/18 01:15 PM	

**Discharge Reporting:**

Discharge Amount:	300,000 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 ESTABLISHE. THE PIPE DISCHARGES DIRECTLY TO STREAM.
Impact:	OBSERVED MANHOLE OVER FLOW ING AFTER RECEIVING 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:**

11/15/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/15/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 11/01/2018 00:00 thru 11/30/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment 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	15074	3000 INDUSTRIAL BLVD		NORTHERN DITCH	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	3018025		11/29/2018	ANDERSON IV	ANDERSON IV, E	REPAIRED - ISSUE RESOLVED	11/29/2018	OBSTRUCTION-N OT GREASE / ROOTS	UNAUTHORIZED DISCHARGE-WATER S	11/29/18 02:30 PM	MAIN

**Discharge Reporting:**

Discharge Amount:	100 GAL
Cause:	OBSTRUCTION IN MAIN SEWER.
Clean Up:	MSD PERSONNEL CLEANED DISCHARGE AREA.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE DISCHARGE FROM MANHOLE.
Repair:	FLUSHED MAIN SEWER.
Public Notification:	ADVISED CUSTOMER ON SITE.

**Notifications:**

12/1/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 11/01/2018 00:00 thru 11/30/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment 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	16649	1726 FRASER DR		SOUTH FORK BEARGRASS CREEK	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3004532		11/01/2018	BROWN	MITCHELL	DOCUMENTED	01/24/2002	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	11/01/18 05:00 AM	

**Discharge Reporting:**

Discharge Amount:	584,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	CLEAN UP NOT REQUIRED. PIPE IS SUMERGED.
Control Zone:	NO CONTROL ZONE ESTABLISHED. PIPE IS SUMERGED AND DISCHARGES DIRECTLY INTO THE CREEK.
Impact:	NOTIFICATION RECIEVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION IS INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

**Notifications:**

11/1/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/1/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 11/01/2018 00:00 thru 11/30/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRain EVENT DISCHARGE	3006485		11/5/2018 10:45:00PM	MITCHELL	BROWN	DOCUMENTED	01/24/2002	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	11/06/18 10:45 AM	

**Discharge Reporting:**

Discharge Amount:	3,620 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEAN UP REQUIRED. DISCHARGED PIPE IS SUBMERGED UNDERGROUND.
Control Zone:	CONTROL ZONE IS NOT REQUIRED, MANHOLE DISCHARGED DIRECTLY INTO THE CREEK.
Impact:	NONE OBSERVED. NOTIFICATION RECIEVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION IS INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR CARDS AND PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

**Notifications:**

11/6/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/6/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 11/01/2018 00:00 thru 11/30/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	28451	3406 CHARLANE PKY		CHENOWETH RUN	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3006505		11/06/2018	BROWN	MITCHELL	DOCUMENTED	10/28/2015	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	11/06/18 09:50 AM	

**Discharge Reporting:**

Discharge Amount:	6,750 GAL
Cause:	LACK OF SYSTEM CAPACITY. HEAVY RAIN.
Clean Up:	WO#3006588
Control Zone:	IMPACTED AREA SECURED WITH TEMPORARY DISCHARGE SIGNS.
Impact:	DEBRIS AROUND MANHOLE.
Repair:	LOCATION INCLUDED INT THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMPORARY AND DOOR CARDS TO AVOID DISCHARGED CONTENT.

**Notifications:**

11/6/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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Report Selections: Period: 11/01/2018 00:00 thru 11/30/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	28453	3402 CHARLANE PKY		CHENOWETH RUN	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3006503		11/06/2018	BROWN	MITCHELL	DOCUMENTED	10/28/2015	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	11/06/18 10:00 AM	

**Discharge Reporting:**

Discharge Amount:	7,500 GAL
Cause:	LACK OF SYSTEM CAPACITY. HEAVY RAIN.
Clean Up:	WO#3006589
Control Zone:	IMPACTED AREA SECURED WITH TEMPORARY DISCHARGE SIGNS.
Impact:	DEBRIS AROUND MANHOLE.
Repair:	LOCATION INCLUDED INT THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMPORARY AND DOOR CARDS TO AVOID DISCHARGED CONTENT.

**Notifications:**

11/6/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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Report Selections: Period: 11/01/2018 00:00 thru 11/30/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment 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	42680	4640 BARBOUR LN		LITTLE GOOSE CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	3013035		11/18/2018	GOODWIN	HUDGINS JR	REPAIRED - ISSUE RESOLVED	11/18/2018	ELECTRICAL PROBLEMS AT MSD	UNAUTHORIZED DISCHARGE-WATER S	11/18/18 07:27 PM	

**Discharge Reporting:**

Discharge Amount:	750 GAL
Cause:	ELECTRICAL PROBLEM WITH MSD EQUIPMENT/STOP FLOAT HUNG IN F.O.G. LAYER.
Clean Up:	MSD STAFF SANITIZED THE IMPACTED AREA WITH LIME.
Control Zone:	PERMANENT SIGN IN PLACE. NO ADDITIONAL CONTROL ZONE SET UP.
Impact:	SEWAGE FOUND AROUND MANHOLE.
Repair:	REINSERTED STOP FLOAT BELOW F.O.G. LAYER. WILL BE VACTORED ASAP.
Public Notification:	PERMANENT SIGN IN PLACE.

**Notifications:**

11/19/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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Report Selections: Period: 11/01/2018 00:00 thru 11/30/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	45796	1011 ALTA CIR		MIDDLE FORK BEARGRASS CREEK	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3004569		11/01/2018	BROWN	MITCHELL	DOCUMENTED	05/10/2014	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	11/02/18 06:15 AM	

**Discharge Reporting:**

Discharge Amount:	468,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3005078
Control Zone:	BARRICADES AND TEMPORARY DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMPORARY AND PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

**Notifications:**

11/1/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO: DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/1/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



Report Selections: Period: 11/01/2018 00:00 thru 11/30/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment 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	45835	1132 ROSTREVOR CIR		MIDDLE FORK BEARGRASS CREEK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3004563		11/01/2018	BROWN	MITCHELL	DOCUMENTED	09/02/2003	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	11/01/18 11:22 AM	

**Discharge Reporting:**

Discharge Amount:	10,500 GAL
Cause:	LACK OF SYSTEM CAPACITY. HEAVY RAIN.
Clean Up:	WO#3005015
Control Zone:	BARRICADES AND TEMPORARY DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMPORARY AND PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

**Notifications:**

11/1/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/1/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 11/01/2018 00:00 thru 11/30/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

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

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3006490		11/06/2018	BROWN	MITCHELL	DOCUMENTED	12/05/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	11/06/18 09:54 AM	

**Discharge Reporting:**

Discharge Amount:	112,500 GAL
Cause:	LACK OF SYSTEM CAPACITY. HEAVY RAIN.
Clean Up:	WO#3006583
Control Zone:	IMPACTED AREA SECURED WITH BARRICADES AND TEMPORARY DISCHARGE SIGNS.
Impact:	DEBRIS AROUND MANHOLE.
Repair:	LOCATION INCLUDED INT THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMPORARY AND PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

**Notifications:**

11/6/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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Report Selections: Period: 11/01/2018 00:00 thru 11/30/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment 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	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3006488		11/06/2018	BROWN	MITCHELL	DOCUMENTED	02/06/2008	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	11/06/18 09:54 AM	

**Discharge Reporting:**

Discharge Amount:	90,000 GAL
Cause:	LACK OF SYSTEM CAPACITY. HEAVY RAIN.
Clean Up:	WO#3006586
Control Zone:	IMPACTED AREA SECURED WITH BARRICADES AND TEMPORARY DISCHARGE SIGNS.
Impact:	DEBRIS AROUND MANHOLE.
Repair:	LOCATION INCLUDED INT THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMPORARY AND PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

**Notifications:**

11/6/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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Report Selections: Period: 11/01/2018 00:00 thru 11/30/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment 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	CSO018	1800 NIGHTINGALE RD		SOUTH FORK BEARGRASS CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3011539		11/13/2018	BRAZEL	BRAZEL	REPAIRED - ISSUE RESOLVED	11/13/2018	ELECTRICAL PROBLEMS AT MSD	UNAUTHORIZED DISCHARGE-WATER S	11/13/18 12:00 PM	

**Discharge Reporting:**

Discharge Amount:	400,000 GAL
Cause:	ELECTRICAL PROBLEM WITH MSD EQUIPMENT. PLC FAULTED AND INFLUENT GATES CLOSED.
Clean Up:	CLEANUP NOT POSSIBLE DUE TO ELEVATED CREEK LEVEL.
Control Zone:	PERMANENT SIGN IN PLACE. NO ADDITIONAL CONTROL ZONE SET.
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND IN THE STREAM.
Repair:	PLC WAS RESET. CONTROLS GROUP IS ANALYZING FAULT.
Public Notification:	PROJECT WIN WEBSITE HAS AN OVERFLOW ALEART.

**Notifications:**

11/14/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/14/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 11/01/2018 00:00 thru 11/30/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment 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	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3004495		11/01/2018	BROWN	MITCHELL	DOCUMENTED	08/01/1969	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	11/02/18 12:45 AM	

**Discharge Reporting:**

Discharge Amount:	1,706,000 GAL
Cause:	LACK OF SYSTEM CAPACITY. HEAVY RAIN.
Clean Up:	NO CLEAN UP REQUIRED. DISCHARGED PIPE IS SUBMERGED UNDERGROUND.
Control Zone:	CONTROL ZONE IS NOT REQUIRED, MANHOLE DISCHARGED DIRECTLY INTO THE CREEK.
Impact:	NONE OBSERVED. NOTIFICATION RECIEVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION IS INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

**Notifications:**

11/1/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/1/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 11/01/2018 00:00 thru 11/30/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center			Receiving Stream of Treatment Center			Region			
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN			OHIO RIVER			WEST			
Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRAIN EVENT DISCHARGE	3006477		11/5/2018 11:30:00PM	MITCHELL	BROWN	DOCUMENTED	08/01/1969	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	11/06/18 05:45 PM	

**Discharge Reporting:**

Discharge Amount:	2,807,000 GAL
Cause:	LACK OF SYSTEM CAPACITY. HEAVY RAIN.
Clean Up:	NO CLEAN UP REQUIRED. DISCHARGED PIPE IS SUBMERGED UNDERGROUND.
Control Zone:	CONTROL ZONE IS NOT REQUIRED, MANHOLE DISCHARGED DIRECTLY INTO THE CREEK.
Impact:	NONE OBSERVED. NOTIFICATION RECIEVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION IS INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

**Notifications:**

11/6/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/6/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 11/01/2018 00:00 thru 11/30/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRAIN EVENT DISCHARGE	3012332		11/15/2018 5:15:00AM	MITCHELL	BROWN	DOCUMENTED	08/01/1969	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	11/15/18 05:16 AM	

**Discharge Reporting:**

Discharge Amount:	100 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 ESTABLISHE. THE PIPE DISCHARGES DIRECTLY TO STREAM (CREEK OR RIVER).
Impact:	OBSERVED MANHOLE OVER FLOW ING AFTER RECEIVING 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:**

11/15/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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Report Selections: Period: 11/01/2018 00:00 thru 11/30/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment 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
STLS Storm Lift Station	MSD0302-FP	147 BUCHANAN ST		OHIO RIVER	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3012176		11/14/2018	CARSONE	CARSONE	DOCUMENTED	09/08/2018	PUMPED OVERFLOW	UNAUTHORIZED DISCHARGE-WATER S	11/18/18 09:10 AM	

**Discharge Reporting:**

Discharge Amount:	96,378,353 GAL
Cause:	HEAVY RAINS OVERWHELMED CSOS, CANNOT MAXIMIZE FLOW DOWNSTREAM DUE TO ORI REPAIRS, PUMPING TO PREVENT SURFACE FLOODING.
Clean Up:	NO CLEAN UP PERFORMED. PIPES DISCHARGE UNDERWATER, DIRECTLY INTO RIVER.
Control Zone:	NO CONTROL ZONE SET UP. PIPES DISCHARGE UNDERWATER, DIRECTLY INTO RIVER.
Impact:	NONE OBSERVED. OUTLETS SUBMERGED.
Repair:	NO CONTROL ZONE SET UP. PIPES DISCHARGE UNDERWATER, DIRECTLY INTO RIVER.
Public Notification:	GIVEN BY VOLUNTARY EMAIL NOTIFICATION SYSTEM AND PERMANENT SIGNS.

**Notifications:**

11/15/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/15/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



Report Selections: Period: 11/01/2018 00:00 thru 11/30/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRAIN EVENT DISCHARGE	3014088		11/26/2018 1:15:00AM	CARSONE	CARSONE	DOCUMENTED	09/08/2018	PUMPED OVERFLOW	UNAUTHORIZED DISCHARGE-WATER S	11/26/18 07:50 AM	

**Discharge Reporting:**

Discharge Amount:	25,945,290 GAL
Cause:	HEAVY RAINS OVERWHELMED CSOS, CANNOT MAXIMIZE FLOW DOWNSTREAM DUE TO ORI REPAIRS, PUMPING TO PREVENT SURFACE FLOODING.
Clean Up:	NO CLEAN UP PERFORMED. PIPES DISCHARGE UNDERWATER, DIRECTLY INTO RIVER.
Control Zone:	NO CONTROL ZONE SET UP. PIPES DISCHARGE UNDERWATER, DIRECTLY INTO RIVER.
Impact:	NONE OBSERVED. OUTLETS SUBMERGED.
Repair:	NO CONTROL ZONE SET UP. PIPES DISCHARGE UNDERWATER, DIRECTLY INTO RIVER.
Public Notification:	GIVEN BY VOLUNTARY EMAIL NOTIFICATION SYSTEM AND PERMANENT SIGNS.

**Notifications:**

11/26/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/26/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 13

Total Work Orders Printed: 19