



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

April 23, 2018

Crystal Thompson
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. Thompson:

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 March 1st to March 31st, 2018 are provided through NetDMR. The Morris Forman Water Quality Treatment Center (MFWQTC) did not meet a 30 day TSS, 7 day TSS, 30 day BOD, 7 day BOD and TSS Percent Removal.

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

Permit					
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		

Report Dates & Status					
Monitoring Period:	From 03/01/18 to 03/31/18	DMR Due Date:	04/28/18	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.

Principal Executive Officer					
First Name:	Anthony	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	=	5.4				=	19 - mg/L				0	01/01 - Daily	GR - GRAB	
					Permit Req.	>=	2 INST MIN					19 - mg/L				0	01/01 - Daily	GR - GRAB	
					Value NODI														
X 00310	BOD, 5-day, 20 deg. C	E - Secondary/Biological Process Complete	0	--	Sample	=	33501	=	84761	26 - lb/d	=	34	=	88	19 - mg/L		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	2	01/01 - Daily	CP - COMPOS
					Value NODI														
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	--	Sample	=	325136	=	366202	26 - lb/d	=	265	=	338	19 - mg/L		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			01/01 - Daily	GR - GRAB	
					Permit Req.	>=	6 MINIMUM					<=	9 MAXIMUM	12 - SU		0	01/01 - Daily	GR - GRAB	
					Value NODI														
X 00530	Solids, total suspended	E - Secondary/Biological Process Complete	0	--	Sample	=	50228	=	132643	26 - lb/d	=	51	=	139	19 - mg/L		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	2	01/01 - Daily	CP - COMPOS
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	383503	=	427941	26 - lb/d	=	310	=	379	19 - mg/L		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	=	7126	=	9330	26 - lb/d	=	7.2	=	10	19 - mg/L		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	=	9565	=	11542	26 - lb/d	=	8	=	11	19 - mg/L		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														
50050	Flow, in conduit or thru treatment plant	E - Secondary/Biological Process Complete	0	--	Sample	=	121.99	=	132.96	03 - MGD							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		01/01 - Daily	GR - GRAB	
					Permit Req.								<=	0.019 DAILY MX	19 - mg/L	0	01/01 - Daily	GR - GRAB	
					Value NODI														
74055	Coliform, fecal general	1 - Effluent Gross	2	--	Sample							=	365	=	860	13 - #/100mL		01/01 - Daily	GR - GRAB
					Permit Req.							<=	1000 30DA GEO	<=	2000 7 DA GEO	13 - #/100mL	0	01/01 - Daily	GR - GRAB
					Value NODI														
81010	BOD, 5-day, percent removal	K - Percent Removal	0	--	Sample						=	87			23 - %			01/30 - Monthly	CA - CALCTD
					Permit Req.						>=	85 MO MIN			23 - %	1	01/30 - Monthly	CA - CALCTD	
					Value NODI														
X 81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	84			23 - %			01/30 - Monthly	CA - CALCTD
					Permit Req.						>=	85 MO MIN			23 - %	1	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.

Edit Check Errors						
Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge

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
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
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
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

Comments

Attachments

Name	Type	Size
201803MFWQTCOverflowReport.pdf	pdf	133392
MFCoverletter032018.pdf	pdf	38978
MFWQTC032018MOR.pdf	pdf	139137

Report Last Saved By

Morris Forman WQTC MSD

User: kessel@louisvillemsd.org
Name: John Kessel
E-Mail: kessel@louisvillemsd.org
Date/Time: 2018-04-23 15:05 (Time Zone: -04:00)

Report Last Signed By

User: kessel@louisvillemsd.org
Name: John Kessel
E-Mail: kessel@louisvillemsd.org
Date/Time: 2018-04-23 15:06 (Time Zone: -04:00)

DMR Copy of Record

Permit

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-Y BIOMONITORING/ONCE PER QUARTER		

Report Dates & Status

Monitoring Period:	From 01/01/18 to 03/31/18	DMR Due Date:	04/28/18	Status:	NetDMR Validated
--------------------	---------------------------	---------------	----------	---------	------------------

Considerations for Form Completion

Principal Executive Officer

First Name:	Anthony	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	
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample						=	215		=	215	19 - mg/L	01/30 - Monthly	CP - COMPOS		
					Permit Req.											01/90 - Quarterly	CP - COMPOS			
					Value NODI															
01025	Cadmium, dissolved [as Cd]	1 - Effluent Gross	0	--	Sample						<	0.05		<	0.05	19 - mg/L	01/30 - Monthly	CP - COMPOS		
					Permit Req.											01/90 - Quarterly	CP - COMPOS			
					Value NODI															
01040	Copper, dissolved [as Cu]	1 - Effluent Gross	0	--	Sample						<	0.01		<	0.01	19 - mg/L	01/30 - Monthly	CP - COMPOS		
					Permit Req.											01/90 - Quarterly	CP - COMPOS			
					Value NODI															
01049	Lead, dissolved [as Pb]	1 - Effluent Gross	0	--	Sample						<	0.05		<	0.05	19 - mg/L	01/30 - Monthly	CP - COMPOS		
					Permit Req.											01/90 - Quarterly	CP - COMPOS			
					Value NODI															
01090	Zinc, dissolved [as Zn]	1 - Effluent Gross	0	--	Sample						<	0.05		<	0.05	19 - mg/L	01/30 - Monthly	CP - COMPOS		
					Permit Req.											01/90 - Quarterly	CP - COMPOS			
					Value NODI															
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.05		<	0.05	19 - mg/L	01/30 - Monthly	CP - COMPOS		
					Permit Req.											01/90 - Quarterly	CP - COMPOS			
					Value NODI															
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.05		<	0.05	19 - mg/L	01/2Y - Once Every 2 Years	CP - COMPOS		
					Permit Req.											01/90 - Quarterly	CP - COMPOS			
					Value NODI															
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.05		<	0.05	19 - mg/L	01/30 - Monthly	CP - COMPOS		
					Permit Req.											01/90 - Quarterly	CP - COMPOS			
					Value NODI															
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.012		=	0.012	19 - mg/L	01/30 - Monthly	CP - COMPOS		
					Permit Req.											01/90 - Quarterly	CP - COMPOS			
					Value NODI															
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample									<	1	2F - tox acute	01/30 - Monthly	G2 - GRAB-2		
					Permit Req.											<=	1 DAILY MX	2F - tox acute	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: 2018-04-23 15:04 (Time Zone: -04:00)

Report Last Signed By

User: kessel@louisvillemsd.org

Name: John Kessel

E-Mail: kessel@louisvillemsd.org

Date/Time: 2018-04-23 15:06 (Time Zone: -04:00)

DMR Copy of Record

Permit			
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

Report Dates & Status			
Monitoring Period:	From 03/01/18 to 03/31/18	DMR Due Date:	04/28/18
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.

Principal Executive Officer			
First Name:	Anthony	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						=	82	=	185	19 - mg/L	25/30 - 25 Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L 0		
					Value NODI												
00310	BOD, 5-day, 20 deg. C	F - Primary/Preliminary Process Complete	0	--	Sample						=	179	=	299	19 - mg/L	25/30 - 25 Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L 0		
					Value NODI												
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample						=	93	=	230	19 - mg/L	25/30 - 25 Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L 0		
					Value NODI												
00530	Solids, total suspended	F - Primary/Preliminary Process Complete	0	--	Sample						=	165	=	289	19 - mg/L	25/30 - 25 Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L 0		
					Value NODI												
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample						=	7.8	=	10.4	19 - mg/L	25/30 - 25 Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L 0		
					Value NODI												
00610	Nitrogen, ammonia total [as N]	F - Primary/Preliminary Process Complete	0	--	Sample						=	10	=	14.4	19 - mg/L	25/30 - 25 Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L 0		
					Value NODI												
50050	Flow, in conduit or thru treatment plant	F - Primary/Preliminary Process Complete	0	--	Sample	=	45.72	=	73.79	03 - MGD					25/30 - 25 Per Month WH/DS - When Discharging	CN - CONTIN CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD							
					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: 2018-04-23 15:03 (Time Zone: -04:00)

Report Last Signed By

User: kessel@louisvillemsd.org
 Name: John Kessel
 E-Mail: kessel@louisvillemsd.org
 Date/Time: 2018-04-23 15:06 (Time Zone: -04:00)

Format: Month/Day/Year

Enter Start Date : 3/1/18

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

DATE	WASTEWATER FLOWS (Million Gallons)			TEMP (DEGF)		pH		SETS (ML)		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	DO 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	
																															mg/L
3/1/18	216.53	130.87	85.66	58	58	6.8	6.8	7.1	1.2	189	55	7.9	120	110	58	26.3	12.3	9.2	26.0	2.4	2.0	139	58	1.12	0.31	4.09	0.016	2700	5.6	24.0	
3/2/18	168.24	129.15	39.09	57	57	7.1	6.6	10.2	0.4	411	50	8.1	202	136	62	26.5	11.6	8.8	20.8	2.2	1.8	146	66	1.14	0.31	2.60	0.016	1580	5.8	24.0	
3/3/18	126.90	124.09	2.81	58	58	7.3	6.6	14.5	0.5	355	25	9.6	192	70	18	27.0	11.5	9.1	22.1	2.3	2.0	142	62	1.16	0.32	2.30	0.016	106	5.4	24.0	
3/4/18	118.11	118.11	0.00	56	56	7.2	6.6	11.4	0.2	235	20	11.1	160	60	13	27.3	11.5	9.1	22.5	1.6	1.3	126	83	1.09	0.32	2.25	0.016	39	7.0	24.0	
3/5/18	120.13	120.13	0.00	56	56	7.0	6.7	16.2	0.2	380	24	8.9	326	91	14	27.1	11.0	8.8	18.2	2.3	1.9	143	62	1.04	0.35	2.23	0.016	176	9.4	24.0	
3/6/18	130.23	123.36	6.87	59	59	6.9	6.6	14.8	0.3	370	28	9.1	318	95	20	26.8	11.5	9.5	15.2	1.9	1.6	136	71	1.06	0.34	2.62	0.016	320	10.7	24.0	
3/7/18	113.92	112.95	0.97	58	58	6.9	6.5	21.1	0.2	484	28	9.4	387	162	18	26.7	10.1	8.2	15.6	2.1	1.7	152	72	-0.21	0.26	2.30	0.016	59	8.7	24.0	
3/8/18	117.66	116.35	1.31	56	56	6.9	6.5	19.6	0.4	452	48	6.0	419	206	27	27.5	9.9	8.2	11.2	2.6	2.1	174	68	0.29	0.21	2.82	0.016	77	11.7	24.0	
3/9/18	106.08	106.08	0.00	56	56	7.1	6.5	20.0	0.1	452	35	5.8	403	215	29	26.6	13.9	11.4	11.0	3.2	2.6	199	62	1.08	0.29	2.98	0.016	860	12.0	24.0	
3/10/18	180.96	129.78	51.18	53	53	6.9	6.4	19.0	6.5	496	264	8.9	206	202	138	25.9	14.7	11.7	16.3	3.5	2.8	226	65	1.15	0.34	5.35	0.016	440	8.1	24.0	
3/11/18	139.52	127.44	12.08	54	54	7.0	6.7	13.1	0.1	310	36	7.4	291	171	29	26.2	16.8	13.4	19.1	3.2	2.5	223	70	1.15	0.29	4.46	0.016	2110	6.2	24.0	
3/12/18	144.07	119.74	24.33	53	53	6.9	6.2	10.5	2.5	315	114	7.2	238	198	105	26.3	18.1	14.4	15.8	3.2	2.6	232	74	1.08	0.28	3.22	0.016	84	8.3	24.0	
3/13/18	141.82	128.49	13.33	55	55	6.7	6.4	10.6	0.9	268	78	7.3	298	226	63	26.4	16.1	12.9	12.1	3.5	2.9	236	67	1.10	0.37	3.47	0.016	606	8.2	0.0	
3/14/18	120.74	120.53	0.21	55	55	7.0	6.3	15.1	0.2	345	48	6.0	455	297	38	26.2	17.4	14.1	8.6	4.2	3.6	262	66	1.11	0.35	3.12	0.016	96	10.0	0.0	
3/15/18	119.92	119.85	0.07	57	57	6.9	6.3	15.9	0.3	380	82	6.7	371	311	61	25.7	18.4	14.9	4.1	6.1	5.1	304	53	1.12	0.33	3.09	0.016	780	11.4	0.0	
3/16/18	114.74	114.74	0.00	59	59	7.1	6.3	10.0	0.1	386	37	5.8	300	233	36	26.0	18.5	15.1	7.6	3.7	3.1	323	86	1.16	0.29	2.98	0.016	77	10.0	0.0	
3/17/18	111.93	111.93	0.00	60	60	7.0	6.5	8.2	0.1	248	56	5.4	264	292	54	26.0	17.3	14.3	9.4	5.4	4.5	336	62	1.15	0.28	2.98	0.016	144	9.5	0.0	
3/18/18	101.84	101.84	0.00	61	61	7.0	6.4	14.9	0.4	330	65	5.8	358	190	47	26.2	17.7	14.4	12.7	4.8	4.0	376	78	1.15	0.29	2.34	0.016	212	9.8	0.0	
3/19/18	118.36	103.80	14.56	59	59	7.0	6.4	20.1	3.7	560	186	7.2	512	403	128	26.0	17.9	14.7	9.8	5.0	4.3	346	69	1.15	0.29	2.72	0.016	96	11.1	0.0	
3/20/18	158.00	118.16	39.84	57	57	6.9	6.3	16.0	15.5	476	456	6.5	233	205	334	25.6	16.5	13.3	10.6	2.3	1.9	256	112	1.15	0.29	6.18	0.016	79	11.8	0.0	
3/21/18	198.26	122.29	75.97	52	52	6.9	6.4	5.1	3.1	272	194	6.1	328	278	216	26.4	16.8	13.8	11.2	3.5	3.1	248	70	1.15	0.42	6.13	0.016	1040	7.4	0.0	
3/22/18	193.20	125.64	67.56	54	54	7.0	6.5	7.9	0.5	248	69	5.9	356	238	115	26.5	18.4	15.1	10.7	4.8	4.1	293	61	1.15	0.45	4.58	0.016	430	6.2	0.0	
3/23/18	162.13	112.53	49.60	55	55	6.7	6.5	1.0	0.4	120	83	5.8	201	220	84	24.8	15.2	12.7	15.9	3.0	2.6	293	97	1.14	0.45	4.12	0.016	1115	5.2	10.6	
3/24/18	221.80	132.97	88.83	54	54	6.7	6.5	5.0	1.5	183	85	6.1	132	130	87	24.0	14.8	12.2	17.7	3.8	3.2	289	76	1.15	0.47	4.95	0.016	920	5.0	24.0	
3/25/18	227.63	127.67	99.96	54	54	7.0	6.4	3.9	0.3	146	56	8.8	105	104	59	24.4	16.3	13.2	20.6	4.0	3.2	260	64	1.15	0.48	2.94	0.016	1048	5.4	24.0	
3/26/18	204.35	129.24	75.11	57	57	6.9	6.6	7.2	0.5	189	61	9.5	188	137	73	23.8	17.2	13.9	17.6	4.1	3.3	266	64	1.15	0.46	2.69	0.016	1550	7.2	24.0	
3/27/18	188.36	130.70	57.66	58	58	7.0	6.6	7.5	0.3	260	53	9.0	194	152	50	23.4	15.6	9.3	15.9	3.3	2.6	242	74	1.14	0.35	3.40	0.016	159	8.9	24.0	
3/28/18	208.18	130.39	77.79	59	59	7.0	6.7	5.9	0.5	186	59	5.4	216	130	61	23.6	15.8	13.1	21.8	3.4	2.8	216	65	1.15	0.46	3.42	0.016	3050	7.9	24.0	
3/29/18	214.35	131.55	82.80	59	59	6.9	6.6	6.8	0.9	220	59	6.2	200	174	86	23.3	15.0	12.2	21.4	3.6	2.9	257	70	1.04	0.45	3.71	0.016	565	6.5	24.0	
3/30/18	211.50	129.98	81.52	56	56	7.1	6.5	8.1	0.5	150	46	7.4	129	61	50	22.6	13.1	10.7	26.4	2.5	2.1	210	83	1.02	0.34	3.12	0.016	200	6.3	24.0	
3/31/18	225.14	131.40	93.74	57	57	7.2	6.5	6.5	0.6	184	56	9.0	121	68	61	23.1	12.0	10.0	29.0	2.5	2.2	196	79	1.11	0.33	2.57	0.016	2650	7.0	24.0	
Sum	4924.6	3781.8	1142.9												794.2										32.595	10.754					490.4
Average	158.9	122.0	45.7	56.5	56.5	7.0	6.5	11.4	1.4	309.7	82.5	7.4	265.3	179.5	72.1	25.6	14.9	12.0	16.0	3.4	2.8	233.7	71.3	1.1	0.3	3.4	0.0	364.8	8.2		

SEWER CONNECTIONS 147657 TIMES 4 = 590628 SEWER POPULATION IND. WASTER POPULATION EQ
 CUSTOMERS 377
 FLOW 883250
 BOD 1496706
 TSS 1373148

Author ized Agent

Certification No. 26893

MORRIS FORMAN WASTEWATER TREATMENT PLAN JEFFERSON COUNTY, KY

Month of Mar-18

Average Flow

SETTLING TANKS	Primary	Secondary		
		Battery A	Battery B	Battery C
Average Flow (MGD)	154.76	33.28	28.76	9.90
Tanks in Service	3.00	7.0	7.0	4.0
Surface Area (Ft.2)	77000.00	60550.00	60546.85	34585.47
Volume (MG)	8.33	6.20	6.20	3.54
Weir Length (Ft.)	2860.00	2509.50	2509.37	1433.40
Avg. Weir Overflow (GPD/Ft)	54110.92	13260.89	11460.33	6908.53
Avg. Settling Rate (GPD/Ft2)	2009.83	723.78	637.82	442.68
Avg. Detention Time	1.29	4.47	5.18	8.59

AERATION TANKS

Battery A Battery B Battery C

Volume (Gallons)	4200000	4200000	2100000
Avg. Flow (MGD)	43.82	38.62	15.31
Avg. Detention Time (Hours)	3.03	3.51	5.09

CHLORINE CONTACT CHAMBERS

Contact Chambers in Use	2.0
Volume (Gallons)	2340000
Avg. Detention Time (Hours)	0.84

Remarks: BY-PASS REPORTS (See Attached)

Report Selections: Period: 03/01/2018 00:00 thru 03/31/2018 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	2880613		03/24/2018	LOGAN JR	MITCHELL	DOCUMENTED	11/29/2001	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	03/25/18 01:43 PM	

Discharge Reporting:

Discharge Amount:	1,636,965 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	NO CLEAN UP PERFORMED – PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM.
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED, SOME SEWAGE CAME IN CONTACT WITH WATERWAYS.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

Notifications:

3/25/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/25/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 03/01/2018 00:00 thru 03/31/2018 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	2885166		3/29/2018 9:42:00PM	MITCHELL	MITCHELL	DOCUMENTED	11/29/2001	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	03/30/18 08:33 PM	

Discharge Reporting:

Discharge Amount:	1,655,877 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	NO CLEAN UP PERFORMED – PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM.
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED, SOME SEWAGE CAME IN CONTACT WITH WATERWAYS.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

Notifications:

3/30/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/30/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 03/01/2018 00:00 thru 03/31/2018 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	100755A-X	257 ADAMS ST		OHIO RIVER	CATCH BASIN

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2873914		03/02/2018	BIVIN	BIVIN	BEYOND APPROVED DESIGN STORM	03/02/2018	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	03/02/18 05:26 PM	MAIN

Discharge Reporting:

Discharge Amount:	1,500 GAL
Cause:	CAPACITY ISSUE. MAIN IS IN AREA WHERE RIVER JUST RECEDED. AREA WAS FLOODED. MAIN STILL AT CAPACITY ISSUE WITH RAIN EVENT.
Clean Up:	NO CLEAN UP REQUIRED. NO SOLIDS.
Control Zone:	MSD PLACED ONE BARRICADE OVER MH# 100755A AND PLACED DISCHARGE SIGNS.
Impact:	OBSERVED MH# 100755A DISCHARGING 10 GALLONS PER MINUTE INTO NO 309115 BASIN.
Repair:	WILL RETURN AFTER DISCHARGE STOPS.
Public Notification:	DISCHARGE SIGNS.

Notifications:

3/3/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
----------------	--------	---

Report Selections: Period: 03/01/2018 00:00 thru 03/31/2018 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	2880629		03/24/2018	LOGAN JR	MITCHELL	DOCUMENTED	01/24/2002	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	03/26/18 09:00 PM	

Discharge Reporting:

Discharge Amount:	7,400 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2881335.
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED, SOME SEWAGE CAME IN CONTACT WITH WATERWAYS.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

Notifications:

3/25/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/25/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 03/01/2018 00:00 thru 03/31/2018 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	2884648		3/28/2018 1:30:00PM	MITCHELL	BROWN	DOCUMENTED	01/24/2002	ROOTS	UNAUTHORIZED DISCHAGE - WATERS	03/28/18 07:00 PM	MAIN

Discharge Reporting:

Discharge Amount:	3,360 GAL
Cause:	A ROOT BLOCKAGE WAS IDENTIFIED IN THE DOWNSTREAM 10" SEWER LINE. WO2884644/WO3884764
Clean Up:	NO DEBRIS OR SOLIDS/FLOATABLE, UNABLE TO USE CLEANER IN THE WATERWAYS.
Control Zone:	NO CONTROL ZONE WAS ESTABLISHED DUE TO THE SIZE OF THE CREEK AND DIFFICULTY ACCESSING DISCHARGE AREAS.
Impact:	DISCOLORATION FROM OVER FLOW LINE VISABLE IN THE CREEK AND UPSTREAM DRAINAGE DITCH.
Repair:	I&FP CREW ROOT CUTTING THE SEWER LINE TO ELIMINATE THE ROOT ISSUE.
Public Notification:	PERMANENT OVERFLOW ADVISORY SIGNS ARE POSTED ALONG THE CREEK.

Notifications:

3/29/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/29/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 03/01/2018 00:00 thru 03/31/2018 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	2885167		3/29/2018 9:15:00PM	MITCHELL	MITCHELL	DOCUMENTED	01/24/2002	ROOTS	UNAUTHORIZED DISCHAGE - WATERS	03/30/18 03:15 PM	

Discharge Reporting:

Discharge Amount:	46,800 GAL
Cause:	A ROOT BLOCKAGE WAS IDENTIFIED IN THE DOWNSTREAM 10" SEWER LINE.
Clean Up:	NO DEBRIS OR SOLIDS/FLOATABLE, UNABLE TO USE CLEANER IN THE WATERWAYS.
Control Zone:	NO CONTROL ZONE WAS ESTABLISHED DUE TO THE SIZE OF THE CREEK AND DIFFICULTY ACCESSING DISCHARGE AREAS.
Impact:	DISCOLORATION FROM OVER FLOW LINE VISABLE IN THE CREEK AND UPSTREAM DRAINAGE DITCH.
Repair:	I&FP CREW ROOT CUTTING THE SEWER LINE TO ELIMINATE THE ROOT ISSUE.
Public Notification:	PERMANENT OVERFLOW ADVISORY SIGNS ARE POSTED ALONG THE CREEK.

Notifications:

3/30/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/30/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 03/01/2018 00:00 thru 03/31/2018 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	2880631		03/24/2018	BAILEY	MITCHELL	DOCUMENTED	05/10/2014	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	03/25/18 10:20 AM	

Discharge Reporting:

Discharge Amount:	105,000 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2880716.
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED, SOME SEWAGE CAME IN CONTACT WITH WATERWAYS.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

Notifications:

3/25/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/25/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 03/01/2018 00:00 thru 03/31/2018 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	2885171		3/29/2018 11:15:00PM	MITCHELL	FIELDS	DOCUMENTED	05/10/2014	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	03/31/18 09:10 AM	

Discharge Reporting:

Discharge Amount:	180,000 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2885500.
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED, SOME SEWAGE CAME IN CONTACT WITH WATERWAYS.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

Notifications:

3/30/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/30/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 03/01/2018 00:00 thru 03/31/2018 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	2880630		03/24/2018	LOGAN JR	MITCHELL	DOCUMENTED	09/02/2003	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	03/25/18 10:15 AM	

Discharge Reporting:

Discharge Amount:	4,200 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2880715.
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED, SOME SEWAGE CAME IN CONTACT WITH WATERWAYS.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

Notifications:

3/25/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/25/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 03/01/2018 00:00 thru 03/31/2018 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	2885170		3/29/2018 11:15:00PM	MITCHELL	FIELDS	DOCUMENTED	09/02/2003	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	03/31/18 09:00 AM	

Discharge Reporting:

Discharge Amount:	68,000 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2885499.
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED, SOME SEWAGE CAME IN CONTACT WITH WATERWAYS.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

Notifications:

3/30/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/30/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 03/01/2018 00:00 thru 03/31/2018 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	2880642		03/24/2018	LOGAN JR	MITCHELL	DOCUMENTED	02/06/2008	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	03/25/18 09:52 AM	

Discharge Reporting:

Discharge Amount:	72,000 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2880719.
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED, SOME SEWAGE CAME IN CONTACT WITH WATERWAYS.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

Notifications:

3/25/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/25/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 03/01/2018 00:00 thru 03/31/2018 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	2885175		3/30/2018 12:20:00AM	MITCHELL	FIELDS	DOCUMENTED	02/06/2008	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	03/31/18 07:30 PM	

Discharge Reporting:

Discharge Amount:	180,000 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2885473.
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED, SOME SEWAGE CAME IN CONTACT WITH WATERWAYS.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

Notifications:

3/30/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/30/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 03/01/2018 00:00 thru 03/31/2018 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	2880714		03/24/2018	MITCHELL	MITCHELL	DOCUMENTED	08/01/1969	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	03/26/18 10:25 AM	

Discharge Reporting:

Discharge Amount:	1,000 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2881038.
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED, SOME SEWAGE CAME IN CONTACT WITH WATERWAYS.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

Notifications:

3/25/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/25/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 03/01/2018 00:00 thru 03/31/2018 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	2885174		3/30/2018 12:00:00AM	MITCHELL	FIELDS	DOCUMENTED	08/01/1969	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	03/31/18 09:31 AM	

Discharge Reporting:

Discharge Amount:	180,000 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2885502.
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED, SOME SEWAGE CAME IN CONTACT WITH WATERWAYS.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

Notifications:

3/30/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/30/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 03/01/2018 00:00 thru 03/31/2018 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
SPL Sewer Treatment Plant	MSD0202	5500 HITT RD		HITE 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	2874099		03/03/2018	FRENCH	REED	REPAIRED - ISSUE RESOLVED	03/03/2018	BYPASS AT WQTC	UNAUTHORIZED DISCHAGE - WATERS	03/03/18 03:05 PM	

Discharge Reporting:

Discharge Amount:	500 GAL
Cause:	LOST POWER TO CONTROL SYSTEM OF INFLUENT PS.
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREAS.
Control Zone:	TRAFFIC CONES PLACED AROUND IMPACTED AREAS.
Impact:	RAW SEWAGE SPILLED INTO STORM WATER PS DURING OUTAGE. STORM WATER PS PUMPED SEWAGE TO CREEK WHEN CONTROLS WERE RESTORED.
Repair:	SHUT DOWN STORM WATER PS. MSD PUMPED STORM WATER BASIN OUT.
Public Notification:	NO PUBLIC NOTIFICATION OCCURRED. IMPACTED AREAS CONTAINED TO PLANT PROPERTY.

Notifications:

3/4/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
----------------	--------	---

Total Facilities Printed: 8

Total Work Orders Printed: 15