

# MSD

Metropolitan Sewer District

700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
www.msdlouky.org

February 19, 2014

Cheryl Edwards  
Permit Support Section  
Surface Water Permits Branch  
Division of Water  
200 Fair Oaks Lane 4<sup>th</sup> Floor  
Frankfort, KY 40601

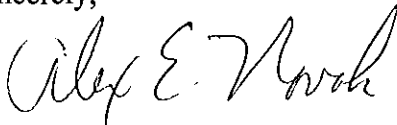
**Re: Morris Forman Water Quality Treatment Center  
KPDES Permit No. KY0022411**

Dear Ms. Edwards:

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 January 1<sup>st</sup> to January 31<sup>st</sup> are provided through NetDMR. All permit requirements were met for the month of January, 2014.

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

Sincerely,



Alex E. Novak, P.E.  
Director of Operations

vg



*Beneficial Use of Louisville's Biosolids*  
www.louisvillegreen.com

DMR Copy of Record

<b>Permit</b>					
Permit #:	KY0022411	Permittee:	MORRIS FORMAN WQTC MSD	Facility:	MORRIS FORMAN WQTC MSD
Major:	Yes	Permittee Address:	4522 ALGONQUIN PKWY LOUISVILLE, KY 40211	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 01/01/14 to 01/31/14	DMR Due Date:	02/28/14	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:	Greg	Title:	Executive Director	Telephone:	502-540-6000
Last Name:	Heitzman				

**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					=	6.2					19 - mg/L	0	01/01 - Daily	GR - GRAB	
					Permit Req.					>=	2 INST MIN				19 - mg/L	01/01 - Daily		GR - GRAB		
					Value NODI															
00310	BOD, 5-day, 20 deg. C	E - Secondary/Biological Process Complete	0	--	Sample	=	12840	=	14113	26 - lb/d		=	16	=	20	19 - mg/L	0	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	=	201741	=	236657	26 - lb/d		=	243	=	337	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	01/01 - Daily		CP - COMPOS		
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample					=	6.8			=	7.6	12 - SU	0	01/01 - Daily	GR - GRAB	
					Permit Req.					>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU		01/01 - Daily	GR - GRAB	
					Value NODI															
00530	Solids, total suspended	E - Secondary/Biological Process Complete	0	--	Sample	=	10696	=	14956	26 - lb/d		=	13	=	15	19 - mg/L	0	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	=	227022	=	288038	26 - lb/d		=	266	=	353	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	01/01 - Daily		CP - COMPOS		
					Value NODI															
00610	Nitrogen, ammonia total [as N]	E - Secondary/Biological Process Complete	0	--	Sample	=	8162	=	9587	26 - lb/d		=	10.2	=	11.4	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		01/01 - Daily	CP - COMPOS	
					Value NODI															
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	8915	=	9398	26 - lb/d		=	10.7	=	12.8	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	01/01 - Daily		CP - COMPOS		
					Value NODI															
50050	Flow, in conduit or thru treatment plant	E - Secondary/Biological Process Complete	0	--	Sample	=	99.23	=	139.65	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									<	0.01	19 - mg/L	0	01/01 - Daily	GR - GRAB	
					Permit Req.										<=	.019 DAILY MX		19 - mg/L	01/01 - Daily	GR - GRAB
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	2	--	Sample						=	144	=	333	13 - #/100mL	0	XX/XX - Frequency as Reported	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					=	93				23 - %	0	XX/XX - Frequency as Reported	CA - CALCTD		
					Permit Req.						>=	85 MO MIN			23 - %		01/30 - Monthly	CA - CALCTD		
					Value NODI															
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample					=	94				23 - %	0	XX/XX - Frequency as Reported	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.

**Edit Check Errors**  
 No errors.

**Comments**

**Attachments**

Name	Type	Size
MFWQTCMOR012014.pdf	pdf	37241
201401_MFWQTC_OverflowReport.pdf	pdf	111080
MFWQTCCoverLetter012014.pdf	pdf	12719

**Report Last Saved By**

**MORRIS FORMAN WQTC MSD**

User: richgalardi	Date/Time: 2014-02-19 09:30 (Time Zone: -05:00)
Name: Richard Galardi	
E-Mail: rich.galardi@louisvillemsd.org	

**DMR Copy of Record**

<b>Permit</b>			
Permit #:	KY0022411	Permittee:	MORRIS FORMAN WQTC MSD
Major:	Yes	Permittee Address:	4522 ALGONQUIN PKWY LOUISVILLE, KY 40211
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 01/01/14 to 01/31/14	DMR Due Date:	02/28/14
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:	Greg	Title:	Executive Director
Last Name:	Heitzman	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						=	24	=	26	19 - mg/L	08/30 - Eight Every 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						=	93	=	108	19 - mg/L	08/30 - Eight Every 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						=	28	=	32	19 - mg/L	08/30 - Eight Every 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						=	93	=	96	19 - mg/L	08/30 - Eight Every 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						=	8.3	=	9.7	19 - mg/L	08/30 - Eight Every 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						=	9.4	=	11.5	19 - mg/L	08/30 - Eight Every 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	=	25.7	=	34.8	03 - MGD					08/30 - Eight Every 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:	richgalardi	Date/Time:	2014-02-19 09:34 (Time Zone: -05:00)
Name:	Richard Galardi		
E-Mail:	rich.galardi@louisvillemsd.org		

DATE	WASTEWATER FLOWS (Million Gallons)			TEMP (DEGF)		pH		SETS (M/L)		TSS (mg/L)		TS (mg/L)		D.O. (mg/L)	5-DAY BOD (mg/L)			RETURN SLUDGE FLOW				AERATION BASIN				ACTIVE		CHLORINATION			FINAL EFFLUENT				
	Effluent	Sec. Effluent	Bypass	raw	final	raw	final	raw	final	raw	final	raw	final	final	raw	final	prim. final	MG	g/L	g/L	mg/L	g/L	g/L	D.O	MLSS	MLVSS	SET	SVI	Wasted MG	Primary Sludge MG	Chlorine Dosage KLBS	Resid mg/L	Fecal Coliform #/100 ml	NH3-N mg/L	Pump. Hours
1/1	89.64	89.64	0.0	57	57	7.4	6.8	7.9	0.1	174	11	12.3	160	71	9	25.2	8.1	6.9	20.0	1.6	1.3	114	77	0.61	0.23	0.95	0.010	148	13	24.00					
1/2	126.89	119.13	7.76	56	56	7.3	7.0	17.5	0.1	330	16	14.3	216	93	13	25.2	7.9	6.2	20.0	1.4	0.7	118	85	0.58	0.26	1.82	0.010	415	11	24.00					
1/3	92.02	92.02	0.0	50	50	7.4	7.1	12.5	0.1	268	15	11.8	247	150	17	25.0	8.1	6.6	20.0	1.7	1.4	132	78	0.62	0.30	0.99	0.010	245	11	24.00					
1/4	87.77	87.77	0.0	56	56	7.4	6.9	13.5	0.1	284	18	12.2	276	125	20	24.9	7.0	5.8	20.0	1.7	1.4	121	72	0.51	0.33	1.31	0.010	380	13	24.00					
1/5	144.36	98.29	46.07	59	59	7.4	6.9	3.5	0.6	106	27	12.4	126	115	32	25.4	7.7	6.4	20.0	2.2	1.8	133	60	0.52	0.30	3.60	0.010	188	10	24.00					
1/6	119.44	108.33	11.11	46	46	7.3	7.1	2.5	0.2	82	31	11.4	94	116	30	22.7	8.8	7.0	20.0	2.2	1.5	139	63	0.57	0.20	5.58	0.010	136	8	24.00					
1/7	107.42	107.42	0.0	49	49	7.3	7.2	16.0	0.2	326	39	7.6	280	138	26	25.7	8.5	7.2	16.0	2.2	1.9	137	65	0.71	0.12	2.24	0.010	140	7	24.00					
1/8	108.2	108.2	0.0	50	50	7.4	7.1	20.1	0.3	408	36	8.4	307	108	34	24.8	9.3	7.4	14.7	2.2	1.5	127	57	0.78	0.13	2.29	0.010	525	10	13.00					
1/9	108.2	108.2	0.0	53	53	7.4	7.2	10.0	0.2	194	19	6.8	212	98	19	25.1	9.5	7.6	12.3	2.2	1.5	16	73	0.80	0.14	1.99	0.010	400	12	0.00					
1/10	104.63	104.63	0.0	56	56	7.5	6.9	14.0	0.1	372	28	6.4	369	161	23	25.7	10.8	8.7	11.3	2.7	1.9	152	56	0.79	0.23	1.77	0.010	535	11	0.00					
1/11	218.87	127.66	91.21	56	56	7.4	7.5	5.5	1.0	218	51	8.9	117	76	41	26.3	13.4	10.7	13.3	2.6	2.0	171	68	0.64	0.26	4.94	0.010	760	6	0.00					
1/12	151.42	139.65	11.77	55	55	7.3	7.6	5.5	0.2	182	27	9.8	114	73	19	26.4	13.2	10.4	14.9	2.8	1.9	176	62	0.79	0.30	2.47	0.010	370	6	13.00					
1/13	165.24	134.12	31.12	57	57	7.5	7.3	10.5	0.2	228	31	8.2	127	92	30	26.9	10.5	8.6	13.2	2.2	1.8	131	60	0.79	0.29	2.80	0.010	217	7	24.00					
1/14	115.64	110.53	5.11	56	56	7.4	7.5	11.1	0.1	214	18	9.9	137	83	15	26.8	9.8	8.3	15.8	2.1	1.8	159	77	0.72	0.28	1.12	0.010	66	9	24.00					
1/15	124.46	123.01	1.45	56	56	7.4	7.4	11.5	0.2	240	19	7.4	210	92	13	25.8	11.3	9.1	16.4	2.5	1.7	154	64	0.55	0.32	1.91	0.010	136	9	24.00					
1/16	117.7	117.7	0.0	53	53	7.3	7.3	15.9	0.1	280	24	7.2	273	98	20	26.0	10.5	9.1	14.6	2.4	2.1	167	70	0.57	0.29	1.88	0.010	440	11	24.00					
1/17	108.98	108.98	0.0	56	56	7.5	6.9	13.0	0.1	256	17	7.2	277	139	15	25.9	8.0	6.7	14.2	3.4	2.7	188	57	0.73	0.33	1.67	0.010	330	14	24.00					
1/18	98.21	98.21	0.0	53	53	7.4	7.0	12.0	0.1	286	11	6.2	275	104	14	25.6	8.0	6.8	11.7	3.3	2.9	154	49	0.82	0.25	1.51	0.010	280	11	24.00					
1/19	90.87	90.87	0.0	53	53	7.5	7.1	14.0	0.1	266	10	8.2	229	75	14	25.0	7.8	6.2	16.3	2.2	1.8	143	66	0.79	0.20	1.37	0.010	42	13	24.00					
1/20	87.78	87.78	0.0	57	57	7.4	7.0	15.0	0.1	162	15	10.7	194	121	10	24.9	8.7	7.1	18.1	2.2	1.6	158	71	0.75	0.29	1.18	0.010	87	15	24.00					
1/21	91.09	91.09	0.0	56	56	7.5	7.1	6.5	0.2	108	13	9.6	237	208	12	25.5	8.4	7.7	15.9	2.4	2.2	174	72	0.73	0.36	1.22	0.010	48	13	10.00					
1/22	87.23	87.23	0.0	52	52	7.5	7.3	5.5	0.2	110	27	9.8	233	187	20	25.9	8.0	6.5	14.2	3.1	2.5	189	60	0.74	0.14	1.34	0.010	195	8	0.00					
1/23	80.7	80.7	0.0	51	51	7.5	7.2	21.9	0.2	420	22	9.7	479	190	19	25.3	8.9	7.3	15.9	3.5	2.9	194	58	0.77	0.18	1.24	0.010	148	10	0.00					
1/24	81.22	81.22	0.0	50	50	7.6	7.2	23.9	0.1	504	22	8.7	492	190	16	26.2	11.3	9.2	16.0	3.3	2.6	200	62	0.79	0.26	1.25	0.010	100	14	0.00					
1/25	88.8	88.8	0.0	53	53	7.6	7.3	19.1	0.1	400	20	9.1	390	164	18	28.0	11.3	9.3	16.8	3.1	2.5	231	75	0.80	0.11	1.38	0.010	92	14	0.00					
1/26	90.55	90.55	0.0	53	53	7.5	7.3	13.0	0.2	286	26	7.9	253	177	34	26.4	9.8	7.5	16.9	3.8	2.3	231	61	0.72	0.18	1.39	0.010	270	9	0.00					
1/27	84.16	84.16	0.0	51	51	7.5	7.4	22.0	0.2	386	21	8.8	290	119	16	26.3	12.6	10.4	17.5	3.2	2.4	227	71	0.83	0.29	1.29	0.010	22	12	0.00					
1/28	79.53	79.53	0.0	50	50	7.5	7.5	21.0	0.2	388	24	8.4	223	123	14	25.8	8.9	7.3	17.3	3.3	2.2	197	59	0.96	0.32	1.23	0.010	34	15	0.00					
1/29	74.1	74.1	0.0	51	51	7.5	7.2	3.5	0.2	104	16	7.8	139	186	16	25.4	8.6	6.7	14.8	3.5	2.4	207	59	0.87	0.19	1.14	0.010	88	15	0.00					
1/30	78.32	78.32	0.0	52	52	7.4	7.4	6.0	0.2	186	15	7.4	185	159	15	26.7	9.0	6.9	11.2	4.1	2.5	204	50	0.90	0.21	1.06	0.010	17	15	0.00					
1/31	78.27	78.27	0.0	55	55	7.5	7.3	17.0	0.1	488	20	7.4	369	170	15	26.4	11.0	8.7	10.3	3.2	2.4	196	61	0.97	0.16	1.20	0.010	12	18	0.00					
Total	3281.7	3076.1	205.6													795.2																		396.00	
Average	105.9	99.2	6.6	53	53	7.4	7.2	12.6	0.2	266	22	9.1	243	129	20	25.7	9.5	7.8	15.8	2.7	2.0	163	65	0.73	0.24	1.84	0.010	144			11				

SEWER CONNECTIONS

135008 TIMES 4 = 540032 SEWER POPULATION

IND. WASTER POPULATION EQ  
 CUSTOMERS 578  
 FLOW 488174  
 BOD 721473  
 TSS 576934

Authorized Agent 

Certification No. 4663

MORRIS FORMAN WASTEWATER TREATMENT PLANT      JEFFERSON COUNTY, KY

Month of Jan-14

Average Flow

SETTLING TANKS	Primary	Secondary		
		Battery A	Battery B	Battery C
Average Flow (MGD)	107.66	36.54	27.48	12.02
Tanks in Service	4.00	6.3	7.6	4.0
Surface Area (Ft.2)	77000.00	54726.77	65567.00	34600.00
Volume (MG)	8.33	5.61	6.72	3.54
Weir Length (Ft.)	2860.00	2268.16	2717.43	1434.00
Avg. Weir Overflow (GPD/Ft)	37642.91	16112.04	10110.85	8382.36
Avg. Settling Rate (GPD/Ft2)	1398.17	845.77	593.58	477.12
Avg. Detention Time	1.86	3.68	5.87	7.08

AERATION TANKS	Battery A	Battery B	Battery C
Volume (Gallons)	4200000	4200000	2100000
Avg. Flow (MGD)	46.29	38.92	16.51
Avg. Detention Time (Hours)	2.76	3.67	4.19

CHLORINE CONTACT CHAMBERS

Contact Chambers in Use	2.0
Volume (Gallons)	2340000
Avg. Detention Time (Hours)	0.77

Remarks: BY-PASS REPORTS (See Attached)

Report Selections: Period: 01/01/2014 00:00 thru 01/31/2014 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	00056-W	804 N ARBOR DR		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	2095067		1/11/14 8:20 am	MARKS JR	OPS BSHIFT CENTRAL	DOCUMENTED	12/15/2007	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	01/11/14 02:45 PM	

**Discharge Reporting:**

Discharge Amount:	25,250 GAL
Cause:	LACK OF CAPACITY DUE TO RAIN EVENT
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE OBSERVED
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
Public Notification:	TEMPORARY SIGNS POSTED AROUND THE AFFECTED AREA

**Notifications:**

1/10/14 1:01 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
1/10/14 1:01 pm	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'

Report Selections: Period: 01/01/2014 00:00 thru 01/31/2014 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	00746	804 N ARBOR DR		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	2095066		1/11/14 8:20 am	MARKS JR	OPS BSHIFT CENTRAL	DOCUMENTED	12/16/2000	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	01/11/14 09:07 PM	

**Discharge Reporting:**

Discharge Amount:	19,175 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE OBSERVED
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
Public Notification:	TEMPORARY SIGNS POSTED AROUND THE AFFECTED AREA

**Notifications:**

1/10/14 1:01 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
1/10/14 1:01 pm	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'



Report Selections: Period: 01/01/2014 00:00 thru 01/31/2014 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	27005	1012 ALTA 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	2095062		1/11/14 8:15 am	GRIFFITH	GRIFFITH	DOCUMENTED	09/02/2003	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	01/11/14 10:30 AM	

**Discharge Reporting:**

Discharge Amount:	6,000 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	DISCLN WO# 2095218
Control Zone:	CAUTION TAPE AND BARRICADE PLACED
Impact:	LIGHT DEBRIS OBSERVED
Repair:	LOCATION INCLUDED IN THE IOAP
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT AND TEMPORARY SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT

**Notifications:**

1/10/14 1:01 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
1/10/14 1:01 pm	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'

Report Selections: Period: 01/01/2014 00:00 thru 01/31/2014 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	CSO019	816 N 34TH 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	2093436		1/7/14 5:45 am	FRENCH	GRIFFITH	REPAIRED - ISSUE RESOLVED	01/07/2014	UTILITY DAMAGED MSD ASSET	UNAUTHORIZED DISCHAGE - WATERS	01/07/14 06:30 AM	

**Discharge Reporting:**

Discharge Amount:	63,633 GAL
Cause:	WATER MAIN BREAK AT 34TH AND GRIFFITHS
Clean Up:	PIPE DISCHARGE SUBMERGED - NO CLEANUP POSSIBLE
Control Zone:	PERMANENT WARNINIG SIGNS POSTED ALONG OHIO RIVER
Impact:	NO VISUAL IMPACT - PIPE DISCHARGE SUBMERGED
Repair:	LWC SHUT DOWN WATER MAIN TO MAKE REPAIRS
Public Notification:	PERMANENT OVERFLOW ADVISORY SIGNS

**Notifications:**

1/6/14 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: 01/01/2014 00:00 thru 01/31/2014 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	CSO113	1215 ELLISON AVE		SOUTH FORK BEARGRASS 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	2100558		1/23/14 10:45 am	BRIGHT	BRIGHT	REPAIRED - ISSUE RESOLVED	01/23/2014	OBSTRUCTION-N OT GREASE / ROOTS	UNAUTHORIZED DISCHARGE - WATERS	01/23/14 11:05 AM	

**Discharge Reporting:**

Discharge Amount:	100 GAL
Cause:	LARGE HANDBAG BLOCKING LOW-FLOW LINE.
Clean Up:	NONE NECESSARY. DISCHARGE OCCURED DIRECTLY INTO IMPROVED CHANNEL.
Control Zone:	NONE TAKEN. PERMANENT SIGNS POSTED IN CREEK AT SITE OF DISCHARGE.
Impact:	SEWAGE IN CREEK
Repair:	REMOVED HANDBAG FROM MOUTH OF THE LO-FLOW.
Public Notification:	NONE TAKEN, NO PUBLIC ACCESS TO SITE OF DISCHARGE.

**Notifications:**

1/12/14 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: 01/01/2014 00:00 thru 01/31/2014 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	CSO132	1919 BROWNSBORO RD		MUDDY FORK BEARGRASS 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	2094679		1/7/14 1:30 am	AFABLE	GRIFFITH	REPAIRED - ISSUE RESOLVED	01/07/2014	UTILITY DAMAGED MSD ASSET	UNAUTHORIZED DISCHARGE - WATERS	01/07/14 03:00 PM	

**Discharge Reporting:**

Discharge Amount:	37,833 GAL
Cause:	Water Main Break in Brownsboro Rd
Clean Up:	Pipe Discharge Submerged - No cleanup
Control Zone:	Permanent signs are in place
Impact:	No impact observed
Repair:	Water Company making repairs
Public Notification:	Permanent signs are in place

**Notifications:**

1/10/14 2:19 pm	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemad.org, Sayre.Dennis@epamail.epa.gov'
1/7/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemad.org'
1/7/14 1:00 pm	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemad.org, Sayre.Dennis@epamail.epa.gov'

Report Selections: Period: 01/01/2014 00:00 thru 01/31/2014 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	CSO206	1700 SPRING DR		MIDDLE FORK BEARGRASS 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	2094671		1/9/14 5:15 am	AFABLE	GRIFFITH	REPAIRED - ISSUE RESOLVED	01/30/2014	UTILITY DAMAGED MSD ASSET	UNAUTHORIZED DISCHARGE - WATERS	01/09/14 06:45 AM	

**Discharge Reporting:**

Discharge Amount:	531,500 GAL
Cause:	Water Main Break
Clean Up:	Will be initiated once repairs are completed
Control Zone:	Permanent signs
Impact:	No impact observed
Repair:	Water Company on site making repairs
Public Notification:	MSD webiste updated

**Notifications:**

1/7/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org'
1/10/14 2:17 pm	DISNOT	Manual email notification of unauthorized discharge sent to sayre.dennis@epamail.epa.gov, eppc.ert@ky.gov and charlie.roth@ky.gov

Report Selections: Period: 01/01/2014 00:00 thru 01/31/2014 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
DISDW: DRY WEATHER DISCHARGE	2103385		1/30/2014 3:30:00AM	GRIFFITH	AFABLE	REPAIRED - ISSUE RESOLVED	01/30/2014	UTILITY DAMAGED MSD ASSET	UNAUTHORIZED DISCHARGE - WATERS	01/30/14 09:00 AM	

**Discharge Reporting:**

Discharge Amount:	469,198 GAL
Cause:	Water Main Break
Clean Up:	Louisville Water Company will be contacted
Control Zone:	Pipe Submerged. No control zone
Impact:	No impact observed
Repair:	No repairs needed
Public Notification:	Permanent sign available

**Notifications:**

1/23/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemad.org, Sayre.Dennis@epamail.epa.gov'
1/23/14 1:00 pm	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemad.org, Sayre.Dennis@epamail.epa.gov'

Total Facilities Printed: 7

Total Work Orders Printed: 8