

MSD

Metropolitan Sewer District

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

August 22, 2014

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

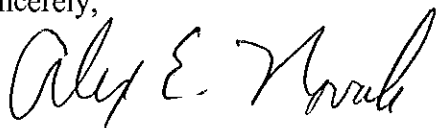
Re: **Morris Forman Water Quality Treatment Center**
KPDES Permit No. KY0022411

Dear Ms. 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 July 1st to July 31st are provided through NetDMR. All permit requirements were met for the month of July, 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

Permit					
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		

Report Dates & Status					
Monitoring Period:	From 07/01/14 to 07/31/14	DMR Due Date:	08/28/14	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.

Principal Executive Officer					
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					=	5.1					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	=	9870	=	10994	26 - lb/d		=	17	=	18	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	=	155562	=	184550	26 - lb/d		=	272	=	335	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					=	6.5			=	7	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	=	7133	=	8190	26 - lb/d		=	12	=	13	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	=	183433	=	211901	26 - lb/d		=	311	=	371	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	=	5147	=	6550	26 - lb/d		=	9.2	=	11.1	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	=	8361	=	8811	26 - lb/d		=	14.6	=	15.4	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	=	68.64	=	119.72	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	1	--	Sample							=	42	=	294	13 - #/100mL	0	01/01 - Daily	GR - GRAB		
					Permit Req.							<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL		01/01 - Daily	GR - GRAB		
					Value NODI																
81010	BOD, 5-day, percent removal	K - Percent Removal	0	--	Sample					=	92				23 - %	0	01/30 - Monthly	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					=	95				23 - %	0	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.

Edit Check Errors
 No errors.

Comments

Attachments

Name	Type	Size
201407_MFWQTC_OverflowReport.pdf	pdf	78072
MFWQTCCoverLetter072014.pdf	pdf	13818
MFWQTCMOR072014.pdf	pdf	35413

Report Last Saved By

MORRIS FORMAN WQTC MSD

User:	richgalardi	Date/Time:	2014-08-22 08:43 (Time Zone: -04:00)
Name:	Richard Galardi		
E-Mail:	rich.galardi@louisvillemsd.org		

DMR Copy of Record

Permit			
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

Report Dates & Status			
Monitoring Period:	From 07/01/14 to 07/31/14	DMR Due Date:	08/28/14
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.

Principal Executive Officer			
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	=	27	19 - mg/L	09/30 - Nine 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						=	136	=	184	19 - mg/L	09/30 - Nine 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						=	28	=	35	19 - mg/L	09/30 - Nine 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						=	106	=	126	19 - mg/L	09/30 - Nine 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						=	9.4	=	12.8	19 - mg/L	09/30 - Nine 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						=	15.7	=	18	19 - mg/L	09/30 - Nine 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	=	15.46	=	16.89	03 - MGD					09/30 - Nine 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:	richgalardi	Date/Time:	2014-08-22 08:45 (Time Zone: -04:00)
Name:	Richard Galardi		
E-Mail:	rich.galardi@louisvillemsd.org		

Press (Ctrl r) to recalculate spreadsheet.

MORRIS FORMAN WATER QUALITY TREATMENT CENTER JEFFERSON COUNTY, KENTUCKY MONTH OF July 2014
 KPDES PERMIT NO. KY022411 PLANT CAPACITY - 120 MGD RECEIVING STREAM-OHIO RIVER

DATE	WASTEWATER FLOWS (Million Gallons)			TEMP (DEGF)		pH		SETS (N/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	raw	final	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	Focal Co/orm #/100 ml	NH3-N mg/L	Pump. Hour	
																															7/1
7/1	78.81	76.42	3.39	81	81	7.4	6.9	0.9	0.1	60	19	5.4	119	132	22	23.8	10.0	8.3	14.2	3.2	2.4	208	74	1.05	0.29	2.96	0.010	42	14	0.00	
7/2	109.33	80.20	19.13	77	77	7.4	6.7	1.5	0.2	64	22	7.0	109	123	20	23.7	10.0	8.2	16.8	3.8	3.0	170	44	1.04	0.21	4.42	0.010	116	10	0.00	
7/3	75.58	75.96	0.00	76	76	7.4	6.6	16.0	0.1	348	13	6.3	344	169	8	24.0	10.4	8.8	16.5	2.1	1.7	150	72	0.94	0.20	2.87	0.010	40	8	0.00	
7/4	81.83	81.83	0.00	75	75	7.4	6.7	9.5	0.1	222	11	5.2	226	164	7	23.3	8.0	6.7	13.2	2.4	2.0	138	59	0.89	0.18	2.26	0.010	27	12	0.00	
7/5	57.58	57.58	0.00	77	77	7.7	6.8	10.0	0.1	196	9	5.6	154	105	8	22.8	8.0	6.7	14.6	1.9	1.4	142	76	0.77	0.18	2.25	0.010	11	12	0.00	
7/6	80.42	80.42	0.00	76	76	7.8	6.9	11.5	0.1	146	19	6.8	106	111	19	22.1	7.9	6.0	16.9	2.3	1.2	128	56	0.66	0.18	1.92	0.010	66	15	0.00	
7/7	89.71	75.68	14.05	77	77	7.6	6.8	1.5	0.2	286	34	8.5	95	118	30	22.2	8.2	6.1	19.4	2.7	1.6	108	43	0.63	0.20	3.37	0.010	55	15	0.00	
7/8	78.53	78.82	1.61	79	79	7.5	6.6	12.9	0.1	288	37	7.7	245	128	28	23.0	7.2	6.1	19.8	2.3	1.9	127	56	0.63	0.30	2.69	0.010	86	10	0.00	
7/9	84.40	84.40	0.00	79	79	7.6	6.8	19.0	0.1	356	13	7.6	320	158	10	22.7	8.5	6.1	19.0	2.3	1.3	117	41	0.66	0.38	2.17	0.010	108	15	0.00	
7/10	81.81	81.81	0.00	77	77	7.4	6.7	7.5	0.1	276	18	6.6	270	178	12	22.5	7.6	6.3	19.2	2.9	1.3	122	55	0.56	0.35	2.08	0.010	298	12	0.00	
7/11	89.51	89.51	0.00	79	79	7.5	6.7	19.5	0.2	318	15	6.2	341	189	22	23.5	8.1	6.3	16.6	3.1	2.0	123	42	0.52	0.35	2.67	0.010	725	9	0.00	
7/12	89.85	89.85	0.00	77	78	7.5	6.7	17.0	0.2	326	20	5.9	241	183	37	23.7	11.8	9.2	14.5	3.5	2.3	154	46	0.59	0.29	3.44	0.010	280	11	0.00	
7/13	80.82	80.82	0.10	80	80	7.5	6.8	10.9	0.1	192	20	7.0	152	139	29	24.5	9.0	7.5	16.6	3.3	2.8	168	50	0.72	0.31	3.25	0.010	328	13	0.00	
7/14	185.88	119.72	48.84	78	78	7.3	6.6	14.5	0.3	344	40	7.1	173	91	24	24.5	10.9	8.1	18.0	3.9	2.5	138	45	0.83	0.23	7.81	0.010	1040	6	0.00	
7/15	71.48	89.43	2.63	77	77	7.4	6.7	6.1	0.1	172	11	7.3	203	221	11	24.0	9.2	7.7	18.7	2.3	1.9	131	58	0.80	0.28	4.17	0.010	22	5	0.00	
7/16	82.82	82.82	0.00	78	78	7.2	6.8	7.5	0.1	238	14	6.4	336	221	12	23.5	8.1	6.9	15.7	2.5	2.2	146	59	0.75	0.32	4.21	0.010	43	8	0.00	
7/17	85.90	85.90	0.00	76	76	7.4	6.8	5.1	0.1	180	11	5.8	213	201	7	24.8	9.2	7.5	13.5	2.4	2.1	147	63	0.78	0.28	4.56	0.010	20	8	0.00	
7/18	89.54	89.54	0.00	76	76	7.5	6.9	17.0	0.1	508	14	5.8	463	210	9	26.5	9.2	7.7	11.6	2.2	1.8	162	74	0.78	0.23	4.38	0.010	16	11	0.00	
7/19	85.03	85.03	0.00	77	77	7.5	7.0	20.0	0.1	756	15	5.6	452	137	7	27.5	7.9	6.9	12.1	2.7	2.3	158	65	0.85	0.26	3.89	0.010	41	12	0.00	
7/20	86.98	86.98	0.00	78	78	7.8	6.9	6.5	0.1	184	11	6.7	162	90	6	26.9	7.6	6.5	16.9	3.2	2.7	152	51	0.82	0.32	3.03	0.010	4	12	0.00	
7/21	81.38	81.38	0.00	79	79	7.5	6.9	23.9	0.1	370	13	7.2	345	138	5	27.4	7.5	6.4	17.2	2.7	2.3	157	57	0.78	0.36	2.62	0.010	8	13	0.00	
7/22	81.99	81.99	0.00	79	79	7.2	6.9	9.3	0.1	280	14	5.6	338	188	8	27.3	7.6	6.5	14.9	2.6	2.3	141	55	0.81	0.33	1.69	0.010	8	9	0.00	
7/23	85.78	85.78	0.00	80	80	7.3	6.5	15.9	0.1	394	14	6.4	352	186	12	26.4	7.8	6.7	14.4	2.1	1.8	139	66	0.81	0.33	3.98	0.010	22	8	0.00	
7/24	84.57	84.57	0.00	78	78	7.4	6.7	11.5	0.1	412	17	5.3	404	260	10	25.8	8.0	6.8	13.5	2.8	2.3	142	52	0.80	0.33	3.78	0.010	42	9	0.00	
7/25	81.27	81.27	0.00	77	77	7.3	6.6	14.0	0.1	552	24	5.8	512	301	16	25.1	8.5	7.4	10.9	2.6	2.3	182	68	0.77	0.33	2.92	0.010	53	9	0.00	
7/26	89.88	83.05	8.83	80	80	7.6	6.6	18.5	0.1	528	30	5.3	516	292	27	24.6	10.0	8.7	10.7	3.2	2.7	189	57	0.77	0.33	3.24	0.010	3	10	0.00	
7/27	158.08	112.85	43.22	79	79	7.3	6.6	1.8	0.4	150	39	6.0	58	76	26	24.8	12.1	10.3	12.0	3.1	2.7	171	56	0.79	0.25	7.29	0.010	470	4	0.00	
7/28	49.78	49.78	0.00	77	77	7.5	6.8	9.8	0.1	280	12	7.4	167	96	9	25.1	9.6	8.0	15.9	3.3	2.7	182	56	0.78	0.25	6.57	0.010	10	6	0.00	
7/29	80.04	80.04	0.00	78	78	7.5	6.8	16.5	0.1	484	21	7.4	315	180	20	23.3	8.3	6.8	17.3	2.7	2.3	161	61	0.79	0.31	3.39	0.010	20	10	0.00	
7/30	88.34	88.34	0.00	77	77	7.3	6.8	6.3	0.1	202	23	5.8	204	178	25	22.0	10.4	8.7	12.6	2.5	2.0	148	36	0.64	0.35	3.76	0.010	29	10	0.00	
7/31	86.50	86.50	0.00	79	79	7.5	6.6	26.8	0.1	536	14	5.1	506	292	9	23.9	9.2	7.8	11.2	2.9	2.5	151	53	0.76	0.35	3.22	0.010	4	10	0.00	
Total	2286.8	2127.7	139.1													755.1								23.771	8.814					0.00	
Average	73.1	68.6	4.5	77.8	77.9	7.5	6.7	11.9	0.1	311	19	6.4	272	166	16	24.4	8.9	7.3	15.3	2.8	2.1	150	58	0.77	0.28	3.58	0.010	42	10	0.00	

SEWER CONNECTIONS 130786 TIMES 4 = 523064 SEWER POPULATION

IND. WASTER POPULATION EQ
 CUSTOMERS 368
 FLOW 173329
 BOD 453708
 TSS 380723

Authorized Agent



Certification No. 5691

MORRIS FORMAN WASTEWATER TREATMENT PLANT

JEFFERSON COUNTY, KY

Month of Jul-14

Average Flow

SETTLING TANKS	Primary	Secondary		
		Battery A	Battery B	Battery C
Average Flow (MGD)	73.12	16.58	20.20	11.43
Tanks in Service	4.00	6.5	8.0	4.0
Surface Area (Ft ²)	77000.00	56542.05	69200.00	34600.00
Volume (MG)	8.33	5.79	7.09	3.54
Weir Length (Ft.)	2860.00	2343.39	2868.00	1434.00
Avg. Weir Overflow (GPD/Ft)	25566.88	7074.95	7043.20	7970.44
Avg. Settling Rate (GPD/Ft ²)	949.63	443.91	455.58	459.54
Avg. Detention Time	2.73	8.38	8.42	7.44

AERATION TANKS

Battery A Battery B Battery C

Volume (Gallons)	4200000	4200000	2100000
Avg. Flow (MGD)	25.10	31.53	15.90
Avg. Detention Time (Hours)	6.08	4.99	4.41

CHLORINE CONTACT CHAMBERS

Contact Chambers in Use	1.9
Volume (Gallons)	2265026
Avg. Detention Time (Hours)	1.64

Remarks: BY-PASS REPORTS (See Attached)



Report Selections: Period: 07/01/2014 00:00 thru 07/31/2014 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	51594	1418 TREVILIAN WAY		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	2193300		7/13/14 10:50 pm	MITCHELL	GRIFFITH	DOCUMENTED	09/12/2006	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	07/14/14 01:15 AM	

Discharge Reporting:

Discharge Amount:	1,500 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	DISCLN WO# 2193665
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED
Impact:	LIGHT DEBRIS OBSERVED
Repair:	LOCATION INCLUDED IN IOAP
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE

Notifications:

7/14/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
7/13/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'

Report Selections: Period: 07/01/2014 00:00 thru 07/31/2014 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	CSO020	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	2207547		7/26/14 10:30 pm	FRENCH	THOMPSON	REPAIRED - ISSUE RESOLVED	07/29/2014	ELECTRICAL PROBLEMS AT MSD	UNAUTHORIZED DISCHAGE - WATERS	07/29/14 10:00 AM	

Discharge Reporting:

Discharge Amount:	110,000,000 GAL
Cause:	SCADA MALFUNCTION. POWER RELATED PROBLEM AT STARKEY PS NOT REPORTED THROUGH SCADA SYSTEM DUE TO MALFUNCTION.
Clean Up:	PIPE DISCHARGE SUBMERGED
Control Zone:	PERMANENT SIGNS POSTED ALONG THE OHIO RIVER
Impact:	PIPE DISCHARGE SUBMERGED
Repair:	STATION RESTORED, RESET VFD, REBOOT PC FOR SCADA SYSTEM
Public Notification:	PERMANENT SIGNS POSTED ALONG THE OHIO RIVER

Notifications:

7/30/14 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org'
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Report Selections: Period: 07/01/2014 00:00 thru 07/31/2014 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	CSO082	1339 LEXINGTON RD		SOUTH FORK BEARGRASS CREEK	

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2207550		7/26/14 10:30 pm	FRENCH	THOMPSON	REPAIRED - ISSUE RESOLVED	07/29/2014	ELECTRICAL PROBLEMS AT MSD	UNAUTHORIZED DISCHAGE - WATERS	07/29/14 10:00 AM	

Discharge Reporting:

Discharge Amount:	10,000,000 GAL
Cause:	SCADA MALFUNCTION. POWER RELATED PROBLEM AT STARKEY PS NOT REPORTED THROUGH SCADA SYSTEM DUE TO MALFUNCTION.
Clean Up:	PIPE DISCHARGE SUBMERGED
Control Zone:	PERMANENT SIGNS POSTED ALONG THE OHIO RIVER
Impact:	PIPE DISCHARGE SUBMERGED
Repair:	STATION RESTORED, RESET VFD, REBOOT PC FOR SCADA SYSTEM
Public Notification:	PERMANENT SIGNS POSTED ALONG THE OHIO RIVER

Notifications:

7/30/14 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org'
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Total Facilities Printed: 3

Total Work Orders Printed: 3