



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

June 10, 2016

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 May 1st to May 31st are provided through NetDMR. All permit requirements were met for the month of May, 2016.

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

Sincerely,

A handwritten signature in cursive script that reads "Alex E. Novak".

Alex E. Novak, P.E.
Treatment Facilities Director

vgt



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:	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 05/01/16 to 05/31/16	DMR Due Date:	06/28/16	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:	James	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					=	4.7					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	=	19665	=	26883	26 - lb/d		=	22	=	31	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	=	308975	=	376564	26 - lb/d		=	301	=	402	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					=	6.6			=	6.8	12 - SU	0	XX/XX - Frequency as Reported	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	=	23719	=	30505	26 - lb/d		=	26	=	34	19 - mg/L	0	XX/XX - Frequency as Reported	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	=	316096	=	357039	26 - lb/d		=	305	=	348	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	=	8720	=	10359	26 - lb/d		=	10	=	11	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	=	8448	=	9351	26 - lb/d		=	8.6	=	9.3	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	=	109.38	=	132.01	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									<	0.012	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	1	--	Sample							=	134	=	257	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					=	91					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
MFWQTC052016Coverletter.pdf	pdf	33780
MFWQTC052016MOR.pdf	pdf	113484
2016_05_MorrisForman_OverflowReport.pdf	pdf	119040

Report Last Saved By

Morris Forman WQTC MSD

User:	robin.burch@louisvillemsd.org	Date/Time:	2016-06-20 12:18 (Time Zone: -04:00)
Name:	Robin Burch		
E-Mail:	robin.burch@louisvillemsd.org		

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 05/01/16 to 05/31/16	DMR Due Date:	06/28/16
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:	James	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				Value 3	Units
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample						=	46	=	73	19 - mg/L	20/30 - Twenty Per Month WH/DS - When Discharging	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						=	182	=	265	19 - mg/L	20/30 - Twenty Per Month WH/DS - When Discharging	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						=	59	=	86	19 - mg/L	20/30 - Twenty Per Month WH/DS - When Discharging	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						=	154	=	220	19 - mg/L	20/30 - Twenty Per Month WH/DS - When Discharging	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						=	8.8	=	10.8	19 - mg/L	XX/XX - Frequency as Reported WH/DS - When Discharging	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						=	12.2	=	14.3	19 - mg/L	20/30 - Twenty Per Month WH/DS - When Discharging	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	=	24.49	=	42.97	03 - MGD					20/30 - Twenty Per Month WH/DS - When Discharging	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:	robin.burch@louisvillemsd.org	Date/Time:	2016-06-20 12:18 (Time Zone: -04:00)
Name:	Robin Burch		
E-Mail:	robin.burch@louisvillemsd.org		

Format: Month/Day/Year
 Enter Start Date : 5/1/16

Press (Ctrl r) to recalculate spreadsheet.

MORRIS FORMAN WATER QUALITY TREATMENT CENTER JEFFERSON COUNTY, KENTUCKY MONTH OF May-16
 KPDE8 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		
	Final	Sec	Bypass	raw	final	raw	final	raw	final	raw	final	raw	final	prim.	final	final	FLOW	TSS	TVSS	D.O	MLSS	MLVSS	SET	SVI	Sludge Wasted	Primary Sludge	Chlorine Dosage	Resid	Fecal Coliform	NH3-N	Pump.
	MG	MG	MG											MG	g/L	g/L	MG	g/L	g/L	mg/L	g/L	g/L	SET	SVI	MG	MG	KLBS	mg/L	#/100 ml	mg/L	Hours
5/1/16	177.97	127.39	50.58	66	66	7.2	6.6	8.5	0.6	236	52	8.2	194	96	48	32.2	15.3	12.8	17.3	3.3	2.8	217	65	1.68	0.37	5.67	0.012	93	8	0.0	
5/2/16	136.50	128.90	9.60	66	66	7.3	6.6	8.0	0.2	204	32	8.7	199	117	21	32.0	14.7	12.4	18.2	2.7	2.3	203	75	1.52	0.34	2.68	0.012	68	9	9.8	
5/3/16	111.76	111.75	0.01	68	68	7.3	6.7	15.0	0.1	292	11	5.7	285	148	7	31.4	14.6	12.3	14.8	3.4	2.9	218	64	1.41	0.35	2.40	0.012	23	13	24.0	
5/4/16	134.52	116.74	17.78	67	67	7.2	6.8	8.0	0.1	192	37	6.5	237	162	24	31.1	13.2	11.3	15.2	2.8	2.4	226	82	1.39	0.34	1.51	0.012	58	12	24.0	
5/5/16	115.83	115.67	0.16	61	61	7.2	6.7	11.0	0.1	276	16	5.8	401	214	11	31.0	12.4	10.4	13.5	2.8	2.4	202	72	1.35	0.34	2.38	0.012	720	9	24.0	
5/6/16	101.78	101.78	0.00	62	62	7.2	6.6	16.0	0.1	404	11	5.8	429	200	12	30.8	11.8	10.1	13.1	3.2	2.7	229	72	1.33	0.40	1.50	0.012	28	11	24.0	
5/7/16	118.65	101.54	17.11	64	64	7.1	6.6	18.0	1.4	664	71	6.4	382	210	46	30.6	16.4	10.2	14.8	6.8	2.5	197	40	1.35	0.43	3.41	0.012	111	15	24.0	
5/8/16	140.75	118.30	22.45	63	63	7.3	6.6	9.0	2.0	228	61	6.7	172	112	33	30.2	13.2	11.0	16.4	2.2	1.9	161	73	1.36	0.36	4.07	0.012	80	9	24.0	
5/9/16	104.88	104.88	0.00	67	67	7.3	6.7	11.0	0.1	268	22	8.3	267	149	15	29.6	12.3	10.5	16.9	2.9	2.5	171	59	1.30	0.40	2.31	0.012	150	13	24.0	
5/10/16	165.84	116.15	49.69	67	67	7.2	6.7	12.0	1.6	536	81	7.1	309	135	56	29.5	12.3	10.5	16.0	3.9	3.3	178	47	1.34	0.36	5.80	0.012	161	12	24.0	
5/11/16	201.88	131.27	70.61	70	70	7.2	6.8	8.0	2.0	220	91	7.7	192	96	67	29.4	12.2	10.1	18.9	2.4	2.0	158	66	1.32	0.38	4.90	0.012	260	7	24.0	
5/12/16	194.52	131.63	62.89	67	67	7.2	6.8	7.5	1.5	192	74	7.5	190	136	64	29.4	12.1	10.1	18.9	2.4	2.0	158	66	1.32	0.38	4.90	0.012	260	7	24.0	
5/13/16	126.36	116.96	9.40	69	69	7.4	6.7	9.7	0.2	252	29	6.9	310	179	33	28.9	13.1	10.8	16.7	2.6	2.1	170	67	1.27	0.34	2.64	0.012	180	6	24.0	
5/14/16	103.97	103.97	0.00	62	62	7.4	6.8	11.0	0.1	356	16	6.3	268	125	11	28.5	11.4	9.2	14.0	2.8	2.3	217	77	1.24	0.27	1.69	0.012	570	9	24.0	
5/15/16	87.57	87.57	0.00	63	63	7.4	6.8	12.0	0.1	352	11	7.8	234	139	10	28.2	11.1	9.1	16.5	2.9	2.4	171	59	1.26	0.27	1.67	0.012	168	10	24.0	
5/16/16	87.10	87.10	0.00	64	64	7.1	6.8	7.5	0.1	220	18	7.6	266	239	15	27.7	9.7	8.3	16.2	3.4	2.8	166	50	1.27	0.20	1.66	0.012	140	12	10.2	
5/17/16	164.33	126.18	38.15	63	63	7.1	6.8	13.0	3.5	276	122	5.0	394	195	106	27.6	12.7	10.9	14.0	2.8	2.4	189	68	1.27	0.19	5.01	0.012	1460	10	0.0	
5/18/16	156.00	126.68	29.32	64	64	7.0	6.7	10.0	1.5	240	59	8.4	251	135	39	27.6	13.7	11.4	16.3	2.4	2.0	181	75	1.34	0.21	3.98	0.012	270	7	0.0	
5/19/16	108.57	108.57	0.00	65	65	7.2	6.7	14.0	0.1	316	18	5.1	391	302	19	28.8	12.9	10.9	13.3	3.3	2.8	208	63	1.42	0.19	1.66	0.012	58	10	0.0	
5/20/16	155.24	113.40	41.84	65	65	7.2	6.6	14.0	4.5	348	118	5.2	310	262	98	30.0	13.3	11.2	12.8	3.1	2.6	212	68	1.39	0.22	2.82	0.012	134	8	0.0	
5/21/16	171.73	132.01	39.72	64	64	7.2	6.6	10.0	0.5	273	44	6.3	238	123	48	30.3	14.5	12.4	15.1	3.0	2.5	206	70	1.39	0.23	3.76	0.012	1040	5	0.0	
5/22/16	124.85	122.54	2.31	66	66	7.3	6.7	11.0	0.1	228	17	6.3	358	204	17	30.7	15.3	13.1	13.8	2.9	2.5	231	78	1.39	0.24	2.27	0.012	490	5	0.0	
5/23/16	107.02	107.02	0.00	65	65	7.3	6.7	12.0	0.1	348	21	5.7	250	210	16	30.8	14.7	12.9	11.9	2.6	2.3	239	91	1.37	0.16	2.34	0.012	58	8	0.0	
5/24/16	105.29	105.29	0.00	68	68	7.2	6.7	12.0	0.4	328	32	5.1	376	289	31	30.9	15.8	13.4	9.1	3.4	3.0	249	69	1.34	0.28	3.06	0.012	233	9	0.0	
5/25/16	113.63	111.06	2.57	67	67	7.2	6.6	21.0	0.4	468	44	5.1	475	274	34	30.8	16.4	13.8	10.0	3.9	3.3	307	78	1.44	0.34	3.63	0.012	94	10	14.7	
5/26/16	131.45	107.58	23.87	68	68	7.3	6.8	15.0	3.0	456	127	5.4	478	266	88	30.5	16.9	14.7	10.7	4.1	3.6	300	72	1.51	0.29	7.50	0.012	30	9	24.0	
5/27/16	101.98	100.75	1.21	68	68	7.1	6.6	22.0	1.0	412	46	5.5	630	304	39	30.4	18.7	15.8	9.5	3.6	3.1	263	72	1.55	0.31	3.70	0.012	135	7	11.1	
5/28/16	95.85	95.24	0.61	69	69	7.3	6.7	7.5	0.4	196	42	4.7	250	276	38	30.4	15.9	13.1	10.3	3.9	3.3	305	76	1.53	0.26	2.87	0.012	55	11	0.0	
5/29/16	80.82	80.82	0.00	67	67	7.4	6.6	13.0	0.1	312	30	4.7	230	252	19	30.3	16.9	14.3	10.2	4.0	3.6	289	71	1.44	0.27	1.92	0.012	164	14	0.0	
5/30/16	76.13	76.13	0.00	72	72	7.4	6.7	6.5	0.1	116	12	5.6	142	141	10	30.5	15.1	12.7	11.5	3.5	3.0	270	77	1.39	0.35	2.38	0.012	95	21	0.0	
5/31/16	79.83	79.83	0.00	71	71	7.5	6.8	9.0	0.1	244	14	6.5	222	144	10	29.9	14.1	11.6	12.9	4.3	3.6	299	69	1.45	0.34	2.23	0.012	5	26	0.0	
Total	3880.4	3390.7	489.7													930.1	30.0	14.0	11.7	14.1	3.3	2.7	219	69	42.899	9.306					381.6
Average	125.2	109.4	24.5	66.1	66.1	7.2	6.7	11.7	0.6	305	44	6.4	301	188	35									1.38	0.30	3.15	0.012	134	10		

SEWER CONNECTIONS 146984 TIMES 4 = 587536 SEWER POPULATION

IND. WASTER POPULATION EQ
 CUSTOMERS 362
 FLOW 604593
 BOD 1200667
 TSS 928353

Authorized Agent



Certification No. 5891

MORRIS FORMAN WASTEWATER TREATMENT PLANT

JEFFERSON COUNTY, KY

Month of May-16

Average Flow

SETTLING TANKS	Primary	Secondary		
		Battery A	Battery B	Battery C
Average Flow (MGD)	125.17	29.24	30.29	13.50
Tanks in Service	4.00	6.0	7.0	3.5
Surface Area (Ft.2)	77000.00	51900.00	60550.00	30053.78
Volume (MG)	8.33	5.32	6.20	3.08
Weir Length (Ft.)	2860.00	2151.00	2509.50	1245.58
Avg. Weir Overflow (GPD/Ft)	43766.97	13592.08	12069.98	10836.73
Avg. Settling Rate (GPD/Ft2)	1625.63	802.41	703.18	624.06
Avg. Detention Time	1.60	4.36	4.91	5.47

AERATION TANKS

	Battery A	Battery B	Battery C
Volume (Gallons)	4200000	4200000	2100000
Avg. Flow (MGD)	41.65	42.58	18.76
Avg. Detention Time (Hours)	3.45	3.33	3.73

CHLORINE CONTACT CHAMBERS

Contact Chambers in Use	2.0
Volume (Gallons)	2340000
Avg. Detention Time (Hours)	0.96

Remarks: BY-PASS REPORTS (See Attached)

Report Selections: Period: 05/01/2016 00:00 thru 05/31/2016 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV, DISSUS

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	0057-W	806 PINE WAY		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	2557439		05/10/2016	GRAY JR	OPS BSHIFT CENTRAL	DOCUMENTED	03/09/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	05/11/16 10:40 AM	

Discharge Reporting:

Discharge Amount:	4,250 GAL
Cause:	LACK OF CAPACITY DUE TO RAIN EVENT
Clean Up:	NO DEBRIS
Control Zone:	TEMP SIGNS
Impact:	NO IMPACT
Repair:	A SOLUTION FOR THIS LOCATION CAN BE FOUND IN THE IOAP
Public Notification:	TEMPORARY SIGNS POSTED AROUND THE AFFECTED AREA

Notifications:

5/10/16 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
5/10/16 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: 05/01/2016 00:00 thru 05/31/2016 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV, DISSUS

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	08717	3726 FINCASTLE 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
: DISSUS: SUSPECTED OVERFLOW EVID. FOUND	2561320		05/20/2016	AYO II	MITCHELL	DOCUMENTED	12/15/2007	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/20/16 06:30 PM	

Discharge Reporting:

Discharge Amount:	100 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2561321
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.

Report Selections: Period: 05/01/2016 00:00 thru 05/31/2016 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV, DISSUS

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
SMN Sewer Main	27012-LH	2408 GRAY FOX RD		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	2556974		05/09/2016	DODDS	DODDS	REPAIRED - ISSUE RESOLVED	05/09/2016	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE - WATERS	05/09/16 07:15 PM	

Discharge Reporting:

Discharge Amount:	8,000 GAL
Cause:	STRUCTURAL FAILURE OF SANITARY MAIN. CONTRACTOR FOUND DISCHARGE WHILE CLEANING PIPE UPSTREAM AND STOPPED CLEANING IMMEDIATELY.
Clean Up:	NO CLEANUP - DISCHARGE DIRECTLY TO STREAM
Control Zone:	PLACED TEMPORARY SIGNS AND CAUTION TAPE AROUND THE IMPACTED AREA.
Impact:	DISCOLORATION OF STREAM.
Repair:	CONTRACTOR REPAIRED SANITARY MAIN.
Public Notification:	PLACED TEMPORARY SIGNS AND CAUTION TAPE AROUND THE IMPACTED AREA.

Notifications:

5/6/16 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
5/6/16 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: 05/01/2016 00:00 thru 05/31/2016 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV, DISSUS

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	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2561323		05/20/2016	BAILEY	MITCHELL	DOCUMENTED	05/10/2014	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/21/16 05:40 AM	

Discharge Reporting:

Discharge Amount:	16,500 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2561355
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:

5/20/16 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
5/20/16 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: 05/01/2016 00:00 thru 05/31/2016 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV, DISSUS

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
SMN Sewer Main	45800	2413 SPRING VALLEY 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	2555132		05/03/2016	DODDS	DODDS	REPAIRED - ISSUE RESOLVED	05/05/2016	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE - WATERS	05/03/16 02:40 PM	

Discharge Reporting:

Discharge Amount:	9,250 GAL
Cause:	STRUCTURAL FAILURE OF SANITARY MAIN. CONTRACTOR FOUND DISCHARGE WHILE CLEANING PIPE UPSTREAM AND STOPPED CLEANING IMMEDIATELY.
Clean Up:	NO CLEANUP - DISCHARGE DIRECTLY TO STREAM
Control Zone:	PLACED TEMPORARY SIGNS AND CAUTION TAPE AROUND THE IMPACTED AREA.
Impact:	DISCOLORATION OF STREAM.
Repair:	CONTRACTOR REPAIRED SANITARY MAIN.
Public Notification:	PLACED TEMPORARY SIGNS AND CAUTION TAPE AROUND THE IMPACTED AREA.

Notifications:

4/21/16 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: 05/01/2016 00:00 thru 05/31/2016 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV, DISSUS

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	2556061		5/5/2016 11:00:00AM	DODDS	FRENCH	REPAIRED - ISSUE RESOLVED	05/05/2016	STRUCTURAL FAILURE	UNAUTHORIZED DISCHAGE - WATERS	05/05/16 05:05 PM	

Discharge Reporting:

Discharge Amount:	31,500 GAL
Cause:	CONTRACTOR WAS MAKING REPAIRS TO MAIN WRAPPED IN ROOTS OF A LARGE TREE. WHEN A ROOT WAS CUT, THE TREE FELL AND PULLED OUT A SECTION OF MAIN.
Clean Up:	NO CLEANUP PERFORMED, PIPE DISCHARGING DIRECTLY INTO STREAM.
Control Zone:	TEMPORARY SIGNS AND CAUTION TAPE AROUND THE IMPACTED AREA.
Impact:	SEWAGE, SOLIDS AND DEBRIS OBSERVED IN THE CREEK.
Repair:	CONTRACTOR REPAIRED THE MAIN SEWER.
Public Notification:	TEMPORARY SIGNS, CAUTION TAPE AND PERMANENT OVERFLOW WARNING SIGNS POSTED IN THE VICINITY.

Notifications:

5/4/16 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
5/4/16 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: 05/01/2016 00:00 thru 05/31/2016 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV, DISSUS

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	45829	2002 MILLVALE RD		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	2561322		05/20/2016	BAILEY	MITCHELL	DOCUMENTED	03/09/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/21/16 06:15 AM	

Discharge Reporting:

Discharge Amount:	54,000 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2561354
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:

5/20/16 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
5/20/16 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: 05/01/2016 00:00 thru 05/31/2016 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV, DISSUS

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	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISSUS: SUSPECTED OVERFLOW EVID. FOUND	2554411		05/02/2016	BLEVINS	MITCHELL	DOCUMENTED	09/12/2006	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/02/16 12:40 PM	

Discharge Reporting:

Discharge Amount:	100 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2554415
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.

Report Selections: Period: 05/01/2016 00:00 thru 05/31/2016 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV, DISSUS

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

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Ref No</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
: DISSUS SUSPECTED OVERFLOW EVID. FOUND	2558139		5/12/2016 12:09:00PM	MITCHELL	BLEVINS	DOCUMENTED	09/12/2006	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/12/16 12:19 PM	

Discharge Reporting:

Discharge Amount:	100 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2558139
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.

Report Selections: Period: 05/01/2016 00:00 thru 05/31/2016 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV, DISSUS

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
: DISSUS SUSPECTED OVERFLOW EVID. FOUND	2561317		5/20/2016 6:30:00PM	MITCHELL	AYO II	DOCUMENTED	09/12/2006	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/20/16 06:40 PM	

Discharge Reporting:

Discharge Amount:	100 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2561318
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.

Total Facilities Printed: 7

Total Work Orders Printed: 10