



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

October 19, 2017

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 October 1st to October 31st, 2017 are provided through NetDMR. The Morris Forman Water Quality Treatment Center (MFWQTC) did not meet the 30 day TSS, 7 day TSS, TSS Percent Removal, 30 day BOD or 7 Day BOD. All other effluent parameters were met.

Compromised solids handling equipment is contributing to the exceedances. MFWQTC continues to employ additional solids processing methods and is 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 10/01/17 to 10/31/17	DMR Due Date:	11/28/17	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					=	2.8					19 - mg/L	0	01/01 - Daily	GR - GRAB				
					Permit Req.					>=	2 INST MIN					19 - mg/L		01/01 - Daily	GR - GRAB				
					Value NODI																		
X 00310	BOD, 5-day, 20 deg. C	E - Secondary/Biological Process Complete	0	--	Sample	=	34052	=	64252	26 - lb/d		=	46	=	77	19 - mg/L	2	01/01 - Daily	CP - COMPOS				
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L		01/01 - Daily	CP - COMPOS				
					Value NODI																		
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	--	Sample	=	294358	=	330589	26 - lb/d		=	422	=	582	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					=	6.4				12 - SU	0	01/01 - Daily	GR - GRAB					
					Permit Req.					>=	6 MINIMUM			<=	9 MAXIMUM		12 - SU	01/01 - Daily	GR - GRAB				
					Value NODI																		
X 00530	Solids, total suspended	E - Secondary/Biological Process Complete	0	--	Sample	=	81847	=	188766	26 - lb/d		=	102	=	225	19 - mg/L	2	01/01 - Daily	CP - COMPOS				
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L		01/01 - Daily	CP - COMPOS				
					Value NODI																		
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	339110	=	380547	26 - lb/d		=	473	=	681	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	=	8896	=	10378	26 - lb/d		=	13.6	=	21.2	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	=	8068	=	8882	26 - lb/d		=	11.6	=	16.6	19 - mg/L	0	01/01 - Daily	CP - COMPOS				
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d			Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/01 - Daily	CP - COMPOS				
					Value NODI																		
50050	Flow, in conduit or thru treatment plant	E - Secondary/Biological Process Complete	0	--	Sample	=	86.41	=	139.51	03 - MGD							0	99/99 - Continuous	CN - CONTIN				
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								99/99 - Continuous	CN - CONTIN				
					Value NODI																		
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample									<	0.016	19 - mg/L	0	01/01 - Daily	GR - GRAB				
					Permit Req.											<=		0.019 DAILY MX	19 - mg/L	01/01 - Daily	GR - GRAB		
					Value NODI																		
74055	Coliform, fecal general	1 - Effluent Gross	1	--	Sample									=	23	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					=	89				23 - %	0	01/30 - Monthly	CA - CALCTD					
					Permit Req.												>=	85 MO MIN	23 - %	01/30 - Monthly	CA - CALCTD		
					Value NODI																		
X 81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample					=	79				23 - %	1	01/30 - Monthly	CA - CALCTD					
					Permit Req.												>=	85 MO MIN	23 - %	01/30 - Monthly	CA - CALCTD		
					Value NODI																		

Submission Note
 If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

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

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 3	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
00530	Solids, total suspended	E - Secondary/Biological Process Complete	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes
00530	Solids, total suspended	E - Secondary/Biological Process Complete	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

Comments

Attachments

Name	Type	Size
MFWQTCoverletter102017.pdf	pdf	186433
MFWQTC102017MOR.pdf	pdf	123194
201710MFWQTCOverflowReport.pdf	pdf	110854

Report Last Saved By

Morris Forman WQTC MSD

User: BURCH@LOUISVILLEMSD.ORG
 Name: Robin Burch
 E-Mail: robin.burch@louisvillemmsd.org
 Date/Time: 2017-11-17 07:09 (Time Zone: -05:00)

Report Last Signed By

User: kessel@louisvillemmsd.org
 Name: John Kessel
 E-Mail: kessel@louisvillemmsd.org
 Date/Time: 2017-11-17 07:10 (Time Zone: -05:00)

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 10/01/17 to 10/31/17	DMR Due Date:	11/28/17
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				Value 3	Units
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample						=	89	=	157	19 - mg/L	09/30 - Nine Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS		
					Permit Req.										Req Mon MO AVG			Req Mon MX WK AV	19 - mg/L
					Value NODI														
00310	BOD, 5-day, 20 deg. C	F - Primary/Preliminary Process Complete	0	--	Sample						=	209	=	400	19 - mg/L	09/30 - Nine Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS		
					Permit Req.										Req Mon MO AVG			Req Mon MX WK AV	19 - mg/L
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample						=	166	=	306	19 - mg/L	09/30 - Nine Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS		
					Permit Req.										Req Mon MO AVG			Req Mon MX WK AV	19 - mg/L
					Value NODI														
00530	Solids, total suspended	F - Primary/Preliminary Process Complete	0	--	Sample						=	224	=	365	19 - mg/L	09/30 - Nine Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS		
					Permit Req.										Req Mon MO AVG			Req Mon MX WK AV	19 - mg/L
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample						=	10.4	=	22.8	19 - mg/L	09/30 - Nine Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS		
					Permit Req.										Req Mon MO AVG			Req Mon MX WK AV	19 - mg/L
					Value NODI														
00610	Nitrogen, ammonia total [as N]	F - Primary/Preliminary Process Complete	0	--	Sample						=	13.8	=	27.2	19 - mg/L	09/30 - Nine Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS		
					Permit Req.										Req Mon MO AVG			Req Mon MX WK AV	19 - mg/L
					Value NODI														
50050	Flow, in conduit or thru treatment plant	F - Primary/Preliminary Process Complete	0	--	Sample	=	39.82	=	45.53	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: BURCH@LOUISVILLEMSD.ORG
 Name: Robin Burch
 E-Mail: robin.burch@louisvillemsd.org
 Date/Time: 2017-11-17 07:09 (Time Zone: -05:00)

Report Last Signed By

User: kessel@louisvillemsd.org
 Name: John Kessel
 E-Mail: kessel@louisvillemsd.org
 Date/Time: 2017-11-17 07:10 (Time Zone: -05:00)

Format: Month/Day/Year

Enter Start Date : 10/1/17

MORRIS FORMAN WATER QUALITY TREATMENT CENTER JEFFERSON COUNTY, KENTUCKY MONTH OF October-17
 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 Sludge	Primary Sludge	CHLORINATION		FINAL EFFLUENT		
	Final Effluent	Sec. Effluent	Bypass	raw	final	raw	final	raw	final	raw	final	final	raw	prim. final	final	FLOW MG	TSS g/L	TVSS g/l	D.O. mg/l	MLSS g/L	MLVSS g/L	SET	SVI	Wasted MG	MG	Chlorine Dosage KLBS	Residual mg/L	Fecal Coliform #/100 ml	NH3-N mg/L	Pump. Hours
10/1/17	56.44	56.44	0.00	75	75	6.8	6.6	28.0	0.6	578	80	4.5	565	308	60	29.3	17.3	14.8	4.7	11.1	9.5	441	0.81	0.30	2.47	0.016	4	13.6	0.0	
10/2/17	52.66	52.66	0.00	77	77	6.8	6.5	20.0	0.5	556	91	4.0	854	341	52	29.2	17.7	15.2	4.9	6.2	5.3	519	0.94	0.28	2.41	0.016	66	13.9	0.0	
10/3/17	51.85	51.85	0.00	80	80	6.8	6.6	24.5	0.5	970	83	6.1	561	291	40	30.3	17.1	14.7	5.1	6.1	5.2	552	1.09	0.32	2.50	0.016	4	18.6	0.0	
10/4/17	60.69	60.69	0.00	77	77	6.8	6.6	18.8	7.0	572	208	6.2	466	328	95	30.6	17.5	15.2	5.4	5.6	4.8	514	1.06	0.37	2.42	0.016	4	23.4	0.0	
10/5/17	61.94	61.94	0.00	79	79	6.8	6.5	29.9	0.3	652	49	5.6	653	364	43	30.9	17.5	15.3	5.0	6.4	5.0	430	1.11	0.46	2.56	0.016	8	26.0	0.0	
10/6/17	59.00	59.00	0.00	78	78	6.8	6.5	21.0	1.0	620	41	4.0	459	326	40	30.8	18.6	16.1	5.5	7.0	6.0	538	1.23	0.51	2.70	0.016	24	24.5	0.0	
10/7/17	69.52	65.48	4.04	75	75	6.4	6.5	24.0	1.5	820	116	4.9	514	400	80	30.5	19.5	16.8	5.4	11.8	10.1	599	1.24	0.38	2.72	0.016	38	22.8	0.0	
10/8/17	235.52	139.51	96.01	75	75	6.8	6.4	5.1	7.8	228	292	2.8	105	148	125	30.0	17.6	15.3	8.0	10.9	9.5	309	1.21	0.33	7.79	0.016	4	7.0	0.0	
10/9/17	167.69	128.50	39.19	72	72	6.9	6.4	8.6	0.1	272	50	6.2	266	108	38	29.3	17.6	15.2	9.3	3.7	3.3	258	1.21	0.42	5.35	0.016	88	4.9	0.0	
10/10/17	172.59	119.31	53.28	79	79	6.8	6.5	8.1	0.7	242	59	6.1	186	163	46	29.8	17.0	14.5	12.1	3.7	3.3	262	1.23	0.42	4.68	0.016	610	8.6	0.0	
10/11/17	173.26	134.20	39.06	72	72	6.8	6.5	8.6	0.5	254	47	6.2	248	107	34	30.6	16.6	14.2	12.7	3.3	3.0	246	1.22	0.37	4.99	0.016	120	6.9	0.0	
10/12/17	112.91	112.80	0.11	72	72	7.0	6.6	23.5	0.1	398	11	5.4	358	167	10	30.6	16.5	13.6	9.8	4.3	3.7	270	1.22	0.39	1.75	0.016	210	10.4	0.0	
10/13/17	107.77	107.77	0.00	75	75	6.9	6.6	18.5	0.2	472	18	5.2	505	249	16	30.4	16.8	14.1	5.9	3.4	2.9	259	1.07	0.42	2.42	0.016	12	12.2	0.0	
10/14/17	82.73	82.73	0.00	71	71	6.6	6.5	16.0	0.1	444	23	3.8	462	373	25	31.3	18.4	15.9	1.1	5.6	4.9	346	0.87	0.43	2.95	0.016	17	10.4	0.0	
10/15/17	82.02	82.02	0.00	72	72	7.0	6.6	14.5	0.5	342	96	3.6	266	196	52	30.6	20.7	17.7	3.7	8.5	7.4	367	0.82	0.40	3.16	0.016	14	7.9	0.0	
10/16/17	73.87	73.87	0.00	70	70	6.8	6.5	15.2	0.2	408	22	5.5	378	208	16	30.9	17.5	15.1	6.7	5.4	4.8	414	0.90	0.43	2.01	0.016	17	13.2	0.0	
10/17/17	73.49	73.49	0.00	70	70	6.7	6.8	23.5	0.2	816	22	5.4	696	365	23	30.3	14.1	12.4	2.9	11.0	9.6	409	1.02	0.41	1.99	0.016	4	18.8	0.0	
10/18/17	71.04	71.04	0.00	71	71	6.9	6.6	17.5	0.4	392	25	4.9	503	323	38	30.3	14.2	12.2	1.9	5.7	4.9	466	1.00	0.43	2.37	0.016	15	17.0	0.0	
10/19/17	66.85	66.85	0.00	73	73	6.8	6.6	18.5	0.1	440	24	3.5	573	379	29	30.9	17.8	15.8	0.7	5.2	4.4	438	0.96	0.49	2.55	0.016	124	16.0	0.0	
10/20/17	67.68	67.68	0.00	73	73	6.8	6.5	23.0	0.1	764	20	5.7	530	296	31	31.0	19.3	16.8	1.8	6.9	6.0	431	1.04	0.49	2.95	0.016	40	16.7	0.0	
10/21/17	67.60	67.60	0.00	73	73	6.9	6.5	22.2	0.2	584	22	5.8	551	279	27	31.4	19.9	17.4	5.5	7.2	6.5	453	0.93	0.38	2.16	0.016	14	11.8	0.0	
10/22/17	65.44	65.44	0.00	73	73	6.9	6.6	22.5	0.5	552	43	6.0	463	264	36	31.4	16.4	14.4	7.6	9.8	8.4	492	0.90	0.25	1.97	0.016	166	11.2	0.0	
10/23/17	142.00	104.68	37.32	71	71	7.0	6.5	16.5	9.8	560	262	3.5	319	239	177	30.8	17.3	15.3	9.8	4.7	4.3	347	0.95	0.39	6.05	0.016	18	11.1	0.0	
10/24/17	95.51	95.51	0.00	67	67	6.9	6.4	13.5	2.4	364	135	3.5	367	241	76	30.1	15.9	13.9	10.0	4.7	4.3	310	0.81	0.28	2.66	0.016	31	6.8	0.0	
10/25/17	83.61	83.61	0.00	66	66	6.8	6.5	17.5	0.1	404	48	5.8	571	220	24	30.3	16.5	14.4	7.6	4.9	4.3	372	0.86	0.24	2.05	0.016	4	9.2	0.0	
10/26/17	78.29	78.29	0.00	64	64	6.8	6.5	21.5	0.3	520	60	5.6	501	295	22	30.3	16.5	14.3	6.7	4.9	4.3	398	1.03	0.30	2.23	0.016	12	13.7	0.0	
10/27/17	115.65	88.56	27.09	69	69	6.8	6.6	19.0	9.2	500	344	6.4	428	430	137	30.1	15.6	13.7	10.8	5.0	4.3	391	0.87	0.39	4.82	0.016	2	14.8	0.0	
10/28/17	189.11	126.87	62.24	62	62	7.2	6.6	5.5	9.5	194	312	5.6	126	120	156	30.4	17.5	15.2	17.3	13.3	11.3	324	0.80	0.31	6.97	0.016	625	7.0	0.0	
10/29/17	100.66	100.66	0.00	62	62	7.2	6.8	6.6	0.1	149	27	7.5	86	49	15	30.2	14.7	12.5	18.0	5.8	5.1	298	0.77	0.23	2.21	0.016	3	11.1	0.0	
10/30/17	106.52	106.52	0.00	63	63	7.1	6.8	11.5	0.1	312	16	7.7	206	109	12	30.5	16.2	14.4	16.1	4.3	3.8	291	1.00	0.41	1.50	0.016	40	16.4	0.0	
10/31/17	93.08	93.08	0.00	64	64	7.0	6.8	14.5	0.1	298	18	6.2	318	205	14	30.2	17.4	14.7	7.9	4.9	4.3	278	0.91	0.43	1.01	0.016	44	14.3	0.6	
Sum	3037.0	2678.6	358.3												943.3								31.066	11.684					0.000	
Average	98.0	86.4	11.6	71.6	71.6	6.9	6.6	17.3	1.8	473.5	85.9	5.3	422.1	254.5	51.3	30.4	17.2	14.9	7.4	6.5	5.6	387.8	#DIV/0!	1.0	0.4	3.1	0.0	22.6	13.6	

SEWER CONNECTIONS 147595 TIMES 4 = IND. WASTER POPULATION EQ
 CUSTOMERS 374
 FLOW 341384
 BOD 1488377
 TSS 1294333

Authorized Agent

Certification No. 26893

MORRIS FORMAN WASTEWATER TREATMENT PLANT JEFFERSON COUNTY, KY

Month of Oct-17

Average Flow

SETTLING TANKS	Primary	Secondary		
		Battery A	Battery B	Battery C

Average Flow (MGD)	97.84	26.13	21.74	8.57
Tanks in Service	4.00	8.0	7.9	4.0
Surface Area (Ft.2)	77000.00	69200.00	68702.66	34600.00
Volume (MG)	8.33	7.09	7.04	3.54
Weir Length (Ft.)	2860.00	2868.00	2847.39	1434.00
Avg. Weir Overflow (GPD/Ft)	34208.10	9111.77	7634.40	5976.54
Avg. Settling Rate (GPD/Ft2)	1270.59	536.60	506.89	432.89
Avg. Detention Time	2.04	6.51	7.77	9.92

AERATION TANKS

Battery A Battery B Battery C

Volume (Gallons)	4200000	4200000	2100000
Avg. Flow (MGD)	37.13	34.82	14.98
Avg. Detention Time (Hours)	3.86	4.64	5.88

CHLORINE CONTACT CHAMBERS

Contact Chambers in Use	2.0
Volume (Gallons)	2340000
Avg. Detention Time (Hours)	1.07

Remarks: BY-PASS REPORTS (See Attached)

Report Selections: Period: 10/01/2017 00:00 thru 10/31/2017 23:59, 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	2815965		10/08/2017	LOGAN JR	MITCHELL	DOCUMENTED	01/24/2002	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	10/08/17 03:45 PM	

Discharge Reporting:

Discharge Amount:	1,437 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2816117
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:

9/22/17 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
9/22/17 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: 10/01/2017 00:00 thru 10/31/2017 23:59, 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

<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>
: DISREVRAIN EVENT DISCHARGE	2823034		10/28/2017 12:45:00AM	MITCHELL	LOGAN JR	DOCUMENTED	01/24/2002	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	10/28/17 12:15 PM	

Discharge Reporting:

Discharge Amount:	40,986 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2823093
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:

10/24/17 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
10/24/17 1:00 pm	DISSNO	SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'

Report Selections: Period: 10/01/2017 00:00 thru 10/31/2017 23:59, 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	2815962		10/08/2017	LOGAN JR	MITCHELL	DOCUMENTED	05/10/2014	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	10/09/17 05:40 AM	

Discharge Reporting:

Discharge Amount:	120,000 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2816112
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:

9/22/17 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
9/22/17 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: 10/01/2017 00:00 thru 10/31/2017 23:59, 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	2815966		10/08/2017	LOGAN JR	MITCHELL	DOCUMENTED	09/12/2006	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	10/08/17 04:48 PM	

Discharge Reporting:

Discharge Amount:	100 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2815969
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:

9/22/17 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: 10/01/2017 00:00 thru 10/31/2017 23:59, 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
SLS Sewer Lift Station	MSD0080-PS	4010 BELLS LN	SOUTHWESTERN	PADDY RUN	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2819935		10/23/2017	BURCH	BURCH	REPAIRED - ISSUE RESOLVED	10/26/2017	MECHANICAL FAILURE	UNAUTHORIZED DISCHARGE - WATERS	10/26/17 12:01 PM	

Discharge Reporting:

Discharge Amount:	3,000 GAL
Cause:	WEST HEADWORKS AT MORRIS FORMAN WAS NOT AVAILABLE THUS REDUCING THE PLANT FLOW TO 160 MGD. THIS CAUSED THE JUNCTION BOX AT SWPS TO SURCHARGE FLOW.
Clean Up:	NONE
Control Zone:	CONES WERE PLACED AT THE SCENE
Impact:	SOIL EROSION
Repair:	BELLS LANE TREATMENT CENTER WAS PLACED INTO SERVICE
Public Notification:	NONE

Notifications:

10/9/17 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
10/9/17 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: 10/01/2017 00:00 thru 10/31/2017 23:59, 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

<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>
: DISREVRAIN EVENT DISCHARGE	2820093		10/24/2017 7:04:00AM	GOODWIN	GOODWIN	REPAIRED - ISSUE RESOLVED	10/26/2017	ELECTRICAL PROBLEMS AT MSD	UNAUTHORIZED DISCHARGE - WATERS	10/23/17 08:24 AM	

Discharge Reporting:

Discharge Amount:	7,000 GAL
Cause:	ELECTRICAL PROBLEM WITH MSD EQUIPMENT, PUMPS DID NOT START IN A TIMELY MANNER WHEN FLOW INCREASED
Clean Up:	CLEANUP NOT POSSIBLE DUE TO MAGNITUDE OF STORM
Control Zone:	PLACED BARRICADES AROUND THE IMPACTED AREA
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	SITE FOUND DURING RAIN EVENT RECON - WILL BE MONITORED AND EVALUATED FOR REPAIR
Public Notification:	N/A, INSIDE OF MSD PROPERTY IN NON RESIDENTIAL AREA

Notifications:

10/23/17 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
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Total Facilities Printed: 4

Total Work Orders Printed: 6