



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

July 21, 2017

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

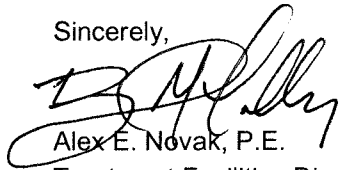
Re: Morris Forman Water Quality Treatment Center
KPDES Permit No. KY0022411

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 June 1st to June 30st, 2017 are provided through NetDMR. The Morris Forman Water Quality Treatment Center (MFWQTC) met all effluent parameters.

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 06/01/17 to 06/30/17	DMR Due Date:	07/28/17	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					=	3.4					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	=	12437	=	15375	26 - lb/d		=	20	=	28	19 - mg/L	1	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	=	218317	=	228098	26 - lb/d		=	355	=	400	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					=	6.2			=	6.8	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	=	17635	=	25352	26 - lb/d		=	29	=	45	19 - mg/L	1	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	=	282542	=	333607	26 - lb/d		=	448	=	604	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	=	9642	=	11578	26 - lb/d		=	16.4	=	17.3	19 - mg/L	1	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	=	7893	=	8913	26 - lb/d		=	12.7	=	14	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	=	70	=	110.17	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							=	65	=	108	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					=	94					23 - %	1	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					=	94					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
 No errors.

Comments

Attachments

Name	Type	Size
201706MFWQTCOverflowReport.pdf	pdf	110648
MFWQTCoverletter062017.pdf	pdf	27429
MFWQTCMOR062017.pdf	pdf	128844

Report Last Saved By

Morris Forman WQTC MSD

User: BURCH@LOUISVILLEMSD.ORG	Date/Time: 2017-07-25 14:26 (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 06/01/17 to 06/30/17	DMR Due Date:	07/28/17
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:	502-540-6774

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
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample						=	43		=	52	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.											19 - mg/L 0		
					Value NODI													
00310	BOD, 5-day, 20 deg. C	F - Primary/Preliminary Process Complete	0	--	Sample						=	232		=	263	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.											19 - mg/L 0		
					Value NODI													
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample						=	67		=	94	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.											19 - mg/L 0		
					Value NODI													
00530	Solids, total suspended	F - Primary/Preliminary Process Complete	0	--	Sample						=	220		=	292	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.											19 - mg/L 0		
					Value NODI													
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample						=	15.1		=	16.2	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.											19 - mg/L 0		
					Value NODI													
00610	Nitrogen, ammonia total [as N]	F - Primary/Preliminary Process Complete	0	--	Sample						=	19.4		=	24.5	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.											19 - mg/L 0		
					Value NODI													
50050	Flow, in conduit or thru treatment plant	F - Primary/Preliminary Process Complete	0	--	Sample	=	10.65	=	15.55	03 - MGD						12/30 - Twelve Per Month WH/DS - When Discharging	CN - CONTIN 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:	BURCH@LOUISVILLEMSD.ORG
Name:	Robin Burch
E-Mail:	robin.burch@louisvillemsd.org
Date/Time:	2017-07-25 14:26 (Time Zone: -04:00)

DMR Copy of Record

Permit

Permit #:	KY0022411	Permittee:	Morris Forman WQTC MSD	Facility:	MORRIS FORMAN WQTC MSD
Major:	Yes	Permittee Address:	700 W Liberty St Louisville, KY 40203	Facility Location:	4522 ALGONQUIN PKWY LOUISVILLE, KY 40211
Permitted Feature:	001 External Outfall	Discharge:	001-Y BIOMONITORING/ONCE PER QUARTER		

Report Dates & Status

Monitoring Period:	From 04/01/17 to 06/30/17	DMR Due Date:	07/28/17	Status:	NetDMR Validated
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Considerations for Form Completion

Principal Executive Officer

First Name:	Anthony	Title:	Executive Director	Telephone:	502-540-6000
Last Name:	Parrott				

No Data Indicator (NODI)

Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type			
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3				Value 3	Units	
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample						=	0		=	0	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.												01/90 - Quarterly	CP - COMPOS		
					Value NODI															
01025	Cadmium, dissolved [as Cd]	1 - Effluent Gross	0	--	Sample						<	0.05		<	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.												01/90 - Quarterly	CP - COMPOS		
					Value NODI															
01040	Copper, dissolved [as Cu]	1 - Effluent Gross	0	--	Sample						<	0.01		<	0.01	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.												01/90 - Quarterly	CP - COMPOS		
					Value NODI															
01049	Lead, dissolved [as Pb]	1 - Effluent Gross	0	--	Sample						<	0.05		<	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.												01/90 - Quarterly	CP - COMPOS		
					Value NODI															
01090	Zinc, dissolved [as Zn]	1 - Effluent Gross	0	--	Sample						<	0.05		<	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.												01/90 - Quarterly	CP - COMPOS		
					Value NODI															
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.05		<	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.												01/90 - Quarterly	CP - COMPOS		
					Value NODI															
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.05		<	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.												01/90 - Quarterly	CP - COMPOS		
					Value NODI															
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.05		<	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.												01/90 - Quarterly	CP - COMPOS		
					Value NODI															
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.01		<	0.01	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.												01/90 - Quarterly	CP - COMPOS		
					Value NODI															
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample									<	1	2F - tox acute	01/90 - Quarterly	G2 - GRAB-2		
					Permit Req.										<=	1 DAILY MX	2F - tox acute	0	01/90 - Quarterly	G2 - GRAB-2
					Value NODI															

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

Morris Forman WQTC MSD

User: BURCH@LOUISVILLEMSD.ORG

Date/Time: 2017-07-25 14:26 (Time Zone: -04:00)

Name: Robin Burch

E-Mail: robin.burch@louisvillemsd.org

Format: Month/Day/Year
 Enter Start Date : 6/1/17

MORRIS FORMAN WATER QUALITY TREATMENT CENTER JEFFERSON COUNTY, KENTUCKY MONTH OF June-17
 KPDES PERMIT NO. KY0022411 PLANT CAPACITY - 120 MGD RECEIVING STREAM-OHIO RIVER

DATE	WASTEWATER FLOWS (Million Gallons)			TEMP (DEGF)		pH		SETS (M/L)		TSS (mg/L)		D.O. (mg/L)	5-DAY BOD (mg/L)			RETURN SLUDGE			AERATION BASIN				ACTIVE Sludge Wasted MG	Primary Sludge MG	CHLORINATION			FINAL EFFLUENT		
	Final Effluent	Sec. Effluent	Bypass	raw	final	raw	final	raw	final	raw	final	final	raw	final	final	FLOW MG	TSS g/L	TVSS g/L	D.O. mg/L	MLSS g/L	MLVSS g/L	SET	SVI	MG	MG	Chlorine Dosage KLBS	Resid mg/L	Fecal Coliform #/100 ml	NH3-N mg/L	Pump. Hours
6/1/17	72.54	72.54	0.00	73	73	6.8	6.5	19.0	0.1	496	17	5.6	553	274	12	27.5	13.1	11.0	9.8	4.9	4.1	224	47	0.98	0.40	1.77	0.016	40	19.8	0.0
6/2/17	70.41	70.41	0.00	75	75	6.9	6.4	18.0	0.1	396	23	6.1	441	235	15	27.7	15.3	13.1	13.8	4.9	4.2	250	50	1.03	0.44	1.83	0.016	52	15.8	0.0
6/3/17	66.29	66.29	0.00	74	74	7.3	6.3	18.0	0.1	356	26	6.2	346	179	15	28.2	14.2	12.2	11.1	3.4	3.0	270	77	1.02	0.28	1.28	0.016	32	19.2	0.0
6/4/17	62.07	62.07	0.00	73	73	7.0	6.7	11.4	0.1	332	35	5.0	266	168	20	28.3	12.1	10.1	12.1	3.7	3.0	291	78	1.01	0.20	1.86	0.016	11	19.3	0.0
6/5/17	100.52	91.23	9.29	73	73	6.8	6.5	15.2	1.6	440	96	5.8	297	312	58	27.9	12.4	10.6	9.0	3.7	3.1	268	72	0.99	0.10	2.92	0.016	5	16.6	0.0
6/6/17	93.74	85.97	7.77	74	74	6.7	6.3	14.9	1.7	440	92	4.8	232	183	46	27.3	13.9	11.7	11.3	5.1	4.2	282	55	1.02	0.27	2.85	0.016	72	13.7	0.0
6/7/17	70.63	70.63	0.00	73	73	6.9	6.3	14.7	0.1	392	22	3.4	414	193	14	27.7	14.2	11.8	8.9	3.9	3.2	278	71	1.02	0.35	2.13	0.016	58	18.7	0.0
6/8/17	63.79	63.79	0.00	71	71	6.8	6.5	15.1	0.1	460	19	6.8	424	285	15	27.4	13.1	11.5	5.9	3.9	3.5	322	81	1.09	0.40	1.67	0.016	136	18.6	0.0
6/9/17	64.83	64.83	0.00	74	74	6.9	6.5	15.9	0.1	512	20	4.7	422	245	22	28.0	14.8	12.5	1.6	4.3	3.7	360	84	1.12	0.33	2.15	0.016	320	15.9	0.0
6/10/17	61.19	61.19	0.00	76	76	7.0	6.4	10.9	0.1	596	24	4.1	301	230	21	28.2	14.3	11.9	1.6	4.8	4.1	429	89	1.13	0.34	1.95	0.016	50	17.2	0.0
6/11/17	59.61	59.61	0.00	77	77	6.8	6.7	13.3	0.1	384	21	4.5	250	175	14	28.5	14.6	12.7	2.2	4.3	3.8	428	99	1.10	0.24	1.92	0.016	32	15.2	0.0
6/12/17	72.16	72.16	0.00	78	78	6.7	6.4	18.0	2.0	548	70	5.8	364	200	42	28.4	15.0	12.6	2.2	5.0	4.2	399	79	1.12	0.15	2.29	0.016	112	14.1	0.0
6/13/17	73.63	73.33	0.30	78	78	6.7	6.4	21.1	0.4	1150	38	5.7	512	263	28	28.0	16.3	13.7	3.5	4.9	4.1	356	72	1.10	0.15	2.59	0.016	77	14.9	0.0
6/14/17	58.84	58.84	0.00	77	77	6.8	6.3	29.5	0.8	576	58	4.5	436	272	39	29.2	17.3	14.6	2.0	5.3	4.4	356	68	1.11	0.35	2.51	0.016	260	17.2	0.0
4/15/17	125.45	98.61	26.84	79	79	6.8	6.4	13.7	8.3	416	286	4.5	248	274	140	28.3	16.9	14.0	4.8	4.6	3.9	307	67	1.12	0.46	6.86	0.016	435	13.0	0.0
6/16/17	59.56	56.32	3.24	79	79	6.8	6.3	16.0	0.5	428	14	5.4	372	247	14	28.8	18.8	15.7	4.1	5.3	4.5	441	82	1.11	0.44	5.15	0.016	70	12.6	0.0
6/17/17	54.81	54.81	0.00	80	80	6.7	6.7	17.5	0.7	476	17	5.2	361	244	12	27.8	18.6	15.8	3.3	5.7	5.0	389	68	1.11	0.39	1.94	0.016	105	15.8	0.0
6/18/17	56.48	55.60	0.88	80	80	6.7	6.2	16.0	1.0	487	14	5.1	563	242	14	27.2	18.7	15.5	6.0	8.3	6.9	482	58	1.11	0.47	1.79	0.016	70	15.0	0.0
6/19/17	83.17	74.20	8.97	78	78	6.8	6.2	12.0	0.6	380	27	4.5	351	187	23	28.5	16.2	13.9	12.7	4.9	4.1	422	86	1.11	0.46	2.44	0.016	96	14.8	0.0
6/20/17	58.38	58.38	0.00	79	79	6.7	6.4	16.0	0.6	468	11	5.1	522	269	10	27.8	14.8	12.3	7.8	5.0	4.2	340	68	1.12	0.29	1.79	0.016	58	21.2	0.0
6/21/17	54.57	54.57	0.00	81	81	6.8	6.3	10.0	1.5	404	22	8.0	382	246	15	28.4	14.0	12.0	7.4	5.0	4.3	344	68	1.12	0.36	1.83	0.016	140	19.9	0.0
6/22/17	93.78	77.28	16.50	80	80	6.8	6.4	12.0	2.5	580	83	3.8	426	321	54	28.2	13.7	11.6	8.0	4.9	4.1	353	70	1.12	0.29	3.84	0.016	68	23.7	0.0
6/23/17	138.60	110.17	28.43	78	78	6.8	6.4	13.5	1.6	452	32	4.2	249	183	46	26.7	15.1	12.6	8.8	4.3	3.5	241	56	1.11	0.42	5.43	0.016	92	10.6	11.3
6/24/17	117.16	100.83	16.33	76	76	7.0	6.2	9.8	1.0	252	62	5.1	156	95	36	27.5	15.6	13.3	16.0	3.2	3.0	191	80	1.11	0.37	4.48	0.016	100	10.6	24.0
6/25/17	66.71	66.71	0.00	76	76	7.1	6.4	14.0	0.4	256	11	5.5	214	85	9	27.4	14.4	12.0	20.3	3.6	3.0	242	66	1.11	0.35	3.43	0.016	36	17.0	24.0
6/26/17	75.67	75.67	0.00	75	75	7.2	6.8	9.5	0.9	360	11	6.7	271	103	8	27.4	13.1	10.9	21.0	3.5	2.9	190	54	1.10	0.23	1.34	0.016	22	20.0	24.0
6/27/17	89.04	88.11	0.93	75	75	7.0	6.5	16.5	0.1	380	20	6.8	245	209	19	27.5	14.7	12.1	10.8	3.3	2.7	194	57	1.03	0.18	1.73	0.016	310	20.0	24.0
6/28/17	75.04	75.04	0.00	78	78	7.0	6.4	10.0	0.2	372	12	5.0	322	188	10	28.8	15.5	12.6	10.7	3.7	3.0	228	61	1.00	0.38	1.48	0.016	19	20.8	20.6
6/29/17	74.15	74.15	0.00	79	79	7.0	6.5	12.1	0.1	356	10	5.7	339	264	9	27.7	15.5	12.6	13.0	3.2	2.6	252	80	1.02	0.42	1.51	0.016	20	21.6	0.0
6/30/17	85.12	76.83	8.29	79	79	6.9	6.4	9.9	1.9	280	39	5.3	382	268	32	27.7	14.2	11.8	5.8	4.6	3.9	241	53	1.04	0.46	2.28	0.016	84	16.2	0.0
Sum	2297.9	2170.2	127.8												838.0									32.265	9.973					127.8
Average	76.6	72.3	4.3	76.6	76.6	6.9	6.4	14.8	1.0	447.5	41.1	5.3	355.4	221.3	27.1	27.9	15.0	12.6	8.5	4.5	3.8	312.4	69.9	1.1	0.3	2.6	0.016	65	17.0	

SEWER CONNECTIONS

147536 TIMES 4 =

590144 SEWER POPULATION

IND. WASTER POPULATION EQ

CUSTOMERS 374

FLOW 136562

BOD 736695

TSS 783447

Authorized Agent

Certification No. 26893/27912

MORRIS FORMAN WASTEWATER TREATMENT PLANT

JEFFERSON COUNTY, KY

Month of Jun-17

Enter Start Time End Time
 6/1/17 0:00 6/29/17 0:00 6/30/17 0:00

Average Flow

SETTLING TANKS	Primary	Secondary		
		Battery A	Battery B	Battery C
Average Flow (MGD)	76.30	17.13	23.35	7.57
Tanks in Service	4.00	7.3	7.7	3.0
Surface Area (Ft.2)	77000.00	62896.63	66674.63	25850.56
Volume (MG)	8.33	6.44	6.83	2.65
Weir Length (Ft.)	2860.00	2606.76	2763.34	1071.38
Avg. Weir Overflow (GPD/Ft)	26679.77	6570.04	8449.77	7069.88
Avg. Settling Rate (GPD/Ft2)	990.96	447.19	524.63	497.37
Avg. Detention Time	2.62	9.03	7.02	8.39

BATTERY FLOW RAS FLOW
 28.126503 11
 34.97940074 11.62986022
 12.85732634 5.282811116

AERATION TANKS

	Battery A	Battery B	Battery C
Volume (Gallons)	4200000	4200000	2100000
Avg. Flow (MGD)	28.13	34.98	12.86
Avg. Detention Time (Hours)	5.89	4.32	6.65

CHLORINE CONTACT CHAMBERS

Contact Chambers in Use 2.0
 Volume (Gallons) 2340000
 Avg. Detention Time (Hours) 1.64

Remarks: BY-PASS REPORTS (See Attached)

Report Selections: Period: 06/01/2017 00:00 thru 06/30/2017 23:59, 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	02276	1926 ARBORO PL			

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	2750146		06/10/2017	ANDERSON IV	SANSUP-SEC ON			OBSTRUCTION-N OT GREASE / ROOTS	UNAUTHORIZED DISCHAGE - WATERS	06/10/17 05:00 PM	MAIN

Discharge Reporting:

Discharge Amount:	50 GAL
Cause:	OBSTRUCTION IN MAIN SEWER
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA
Impact:	SEWAGE/WATER DISCHARGING FROM MANHOLE
Repair:	FLUSHED THE OBSTRUCTION FROM THE SEWER
Public Notification:	ADVISED CUSTOMER ON SITE

Notifications:

6/9/17 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
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Report Selections: Period: 06/01/2017 00:00 thru 06/30/2017 23:59, 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
SV Sewer Valve	69053B-V	5222 BLAKELY RIDGE RD			

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	2768409		06/29/2017	GOODWIN	CPSM			STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE - WATERS	06/29/17 12:37 PM	

Discharge Reporting:

Discharge Amount:	150,000 GAL
Cause:	STRUCTURAL FAILURE (ARV FAILED/BUSTED OUT TOP)
Clean Up:	AREA DISINFECTED WITH LIME
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA
Impact:	SEWAGE PRODUCTS FOUND ON THE GROUND
Repair:	REPLACED TOP OF FAILED ARV (WO NUMBER)
Public Notification:	ADVISED ALL POSSIBLE IMPACTED PROPERTIES IN THE SURROUNDING AREA IN PERSON

Notifications:

6/29/17 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: 06/01/2017 00:00 thru 06/30/2017 23:59, 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	CSO015	4010 BELLS LN		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	2755569		06/14/2017	BURCH	BURCH	DOCUMENTED	12/19/2007	MECHANICAL FAILURE	UNAUTHORIZED DISCHARGE - WATERS	06/14/17 03:01 PM	

Discharge Reporting:

Discharge Amount:	5,000,000 GAL
Cause:	MECHANICAL FAILURE OF BAR SCREEN.
Clean Up:	NO CONTROL ZONE SET UP – PIPES DISCHARGE UNDERWATER, DIRECTLY INTO RIVER.
Control Zone:	PERMANENT OVERFLOW ADVISORY SIGNS IN PLACE.
Impact:	NONE OBSERVED - OUTLETS SUBMERGED.
Repair:	CONTRACTOR REPAIRING EQUIPMENT.
Public Notification:	GIVEN BY VOLUNTARY EMAIL NOTIFICATION SYSTEM.

Notifications:

6/11/17 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG'
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Report Selections: Period: 06/01/2017 00:00 thru 06/30/2017 23:59, 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	CSO151	1316 CASTLEWOOD DELL		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	2768074		06/28/2017	BROWN	MITCHELL	REPAIRED - ISSUE RESOLVED	05/17/2017	OBSTRUCTION-N OT GREASE / ROOTS	UNAUTHORIZED DISCHAGE - WATERS	06/29/17 04:45 PM	

Discharge Reporting:

Discharge Amount:	111,260 GAL
Cause:	CONTRACTOR DID NOT REMOVE THE CUTTER THAT THEY GOT HUNG UP IN THE LINE DOWNSTREAM OF THE SIPHON
Clean Up:	NO CLEAN UP REQUIRED DISCHARGING TO NEW IMPROVED CHANNEL
Control Zone:	PERMANENT SIGNAGE IN PLACE
Impact:	DISCHARGING TO IMPROVED CHANNEL
Repair:	CONTRACTOR ARE WORKING ON REMOVING THE CUTTER FROM THE LINE
Public Notification:	POSTED DRY WEATHER ADVISORY TO WEBSITE

Notifications:

6/16/17 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
6/16/17 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: 06/01/2017 00:00 thru 06/30/2017 23:59, 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	CSO197	1218 S 3RD ST		OHIO RIVER	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	2743455		06/02/2017	DODDS	CSONMC-SUP			OBSTRUCTION-N OT GREASE / ROOTS	UNAUTHORIZED DISCHARGE - WATERS	06/22/17 04:28 PM	

Discharge Reporting:

Discharge Amount:	306 GAL
Cause:	OBSTRUCTION DOWNSTREAM OF WEIR.
Clean Up:	NO CLEAN UP PERFORMED - PIPE DISCHARGING TO CENTRAL RELIEF DRAIN.
Control Zone:	NO CONTROL ZONE SET UP - PIPE DISCHARGING TO CENTRAL RELIEF DRAIN.
Impact:	SEWAGE DISCHARGING THROUGH OVERFLOW PIPE TO CRD.
Repair:	MSD CREWS FLUSHED DOWNSTREAM LINE.
Public Notification:	ADVISED ALL POSSIBLE IMPACTED PROPERTIES IN THE SURROUNDING AREA IN PERSON.

Notifications:

5/18/17 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
5/18/17 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: 06/01/2017 00:00 thru 06/30/2017 23:59, 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>
: DISDWDRY WEATHER DISCHARGE	2749987		6/9/2017 12:00:00PM	MITCHELL	BROWN			OBSTRUCTION- NOT GREASE / ROOTS	UNAUTHORIZED DISCHAGE - WATERS	06/11/17 12:45 PM	

Discharge Reporting:

Discharge Amount:	2,925 GAL
Cause:	OBSTRUCTION
Clean Up:	NO CLEAN UP PERFORMED - PIPE DISCHARGING TO CENTRAL RELIEF DRAIN
Control Zone:	NO CONTROL ZONE SET UP - PIPE DISCHARGING TO CENTRAL RELIEF DRAIN.
Impact:	SEWAGE DISCHARGING THROUGH OVERFLOW PIPE TO CRD
Repair:	MSD CREWS FLUSHED DOWNSTREAM LINE.
Public Notification:	ADVISED ALL POSSIBLE IMPACTED PROPERTIES IN THE SURROUNDING AREA IN PERSON.

Notifications:

6/2/17 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
6/2/17 1:00 pm	DISSNO	SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'

Total Facilities Printed: 5

Total Work Orders Printed: 6