



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

December 10, 2016

Ms. Cheryl Edwards
Kentucky Division of Water
300 Sower Blvd., 3rd Floor
Frankfort, Kentucky 40601

**RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for November 2016.**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Floyds Fork WQTC for the month of November 2016.

There were no exceedances, overflows or bypasses to report.

If you have any questions concerning the attached DMR's, please contact me at (502) 239-7574.

Sincerely,

Kevin Thompson
Process Supervisor Central Region

KLT/Floyds Fork 11.16.doc

Enclosures

cc: V. Graves
R. Shaw

DMR Copy of Record

Permit			
Permit #:	KY0102784	Permittee:	Floyds Fork WQTC MSD
Major:	Yes	Permittee Address:	700 W Liberty St Louisville, KY 40203
Permitted Feature:	001 External Outfall	Discharge:	001-1 MUNICIPAL DISCHARGE
Facility:		Facility Location:	FLOYDS FORK WQTC MSD 1100 BLUE HERON RD LOUISVILLE, KY 40245

Report Dates & Status			
Monitoring Period:	From 11/01/16 to 11/30/16	DMR Due Date:	12/28/16
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	James A.	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	
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample	=	7.9				=	7.9				19 - mg/L	0	01/01 - Daily	GR - GRAB	
					Permit Req.	>=	7 INST MIN										19 - mg/L	0	01/07 - Weekly	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample	=	7.3				=	8.2				12 - SU	0	01/01 - Daily	GR - GRAB	
					Permit Req.	>=	6 MINIMUM				<=	9 MAXIMUM				12 - SU	0	01/07 - Weekly	GR - GRAB	
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	122	=	216	26 - lb/d	=	4	=	7		19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.	<=	1626 MO AVG	<=	2439 MX WK AV	26 - lb/d	<=	30 MO AVG	<=	45 MX WK AV		19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=					=	481	=	636		19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV		19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample	=					=	11	=	15		19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV		19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	28	=	94	26 - lb/d	=	0.9	=	3		19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.	<=	163 MO AVG	<=	244 MX WK AV	26 - lb/d	<=	3 MO AVG	<=	4.5 MX WK AV		19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=	9.1	=	10.6	26 - lb/d	=	0.3	=	0.3		19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.	<=	27.1 MO AVG	<=	40.7 MX WK AV	26 - lb/d	<=	0.5 MO AVG	<=	0.75 MX WK AV		19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	3.667	=	3.726	03 - MGD							0	99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD								0	99/99 - Continuous	RE - Record (manual)
					Value NODI															
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	2.958	=	3.035	03 - MGD							0	99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD								0	99/99 - Continuous	RE - Record (manual)
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample	=					=	2	=	27		13 - #/100mL	0	03/07 - Three Per Week	GR - GRAB	
					Permit Req.						<=	130 30DA GEO	<=	240 7 DA GEO		13 - #/100mL	0	01/07 - Weekly	GR - GRAB	
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	87	=	106	26 - lb/d	=	3	=	3		19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.	<=	325 MO AVG	<=	488 MX WK AV	26 - lb/d	<=	6 MO AVG	<=	9 MX WK AV		19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample	=					=	280	=	312		19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV		19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample	=	99									23 - %	0	01/30 - Monthly	CA - CALCTD	
					Permit Req.	>=	85 MO AV MN									23 - %	0	01/30 - Monthly	CA - CALCTD	
					Value NODI															
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=	99									23 - %	0	01/30 - Monthly	CA - CALCTD	
					Permit Req.	>=	85 MO AV MN									23 - %	0	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
201611_FloydsFork_coverletter.pdf	pdf	144875
201611_FloydsFork_MOR.pdf	pdf	121038

Report Last Saved By

Floyds Fork WQTC MSD

User: kevin.thompson@louisvillemtd.org

Date/Time: 2016-12-15 08:06 (Time Zone: -05:00)

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemtd.org

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: November 2016
 KPDES PERMIT NUMBER KY0102784 PLANT CAPACITY 3.5 MGD RECEIVING STREAM FLOYDS FORK

DATE	RAW SEWAGE		pH		SETTLABLE SOLIDS (mg/L)			DISSOLVED OXYGEN (mg/L)			SUSPENDED SOLIDS (mg/L)			5 DAY CBOD (mg/L)			ACTIVATED SLUDGE			AERATION BASIN						SLUDGE HANDLING				FINAL								
	TOTAL FLOW (MILLION GALLONS)	GRIT REMOVED (CUBIC FEET)	SCREENINGS (CUBIC FEET)	RAW	FINAL	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	STREAM ABOVE	FINAL EFFLUENT	STREAM BELOW	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	RETURN		WASTE	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	SETTLING SLUDGE VOLUME	30 MIN.	60 MIN.	RAW		HAULED		PHOSPHORUS, TOTAL (mg/L)	NH3-N (mg/L)	ECOLI	Total Nitrogen	TOTAL FLOW (MILLION GALLONS)			
																		GAL/DAY x 1000	MLSS x 1000								GAL/DAY x 1000	GALLONS x 1000	% DRY SOLIDS	% VOLATILE SOLIDS						% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS x 1000
1	2.027	2.48	2.48	7.3	7.6						8.1			603		3	396	2	0.59	6150	54000	3.2	2070	1720	250						63000	0.30	0.45				2.19218	
2	1.960	2.48	2.48	7.1	7.7						7.8			519		3	421	3	0.75	6740	52000	3.1	2160	1780	260		2.09			0.994	91500	0.30	0.28	1	14.2		2.08715	
3	2.028	2.48	2.48	7.1	7.7						8.4			344		3	206	2	0.66	6940	47000	3.1	2010	1600	250		2.10				62700	0.30	0.20	1			2.09624	
4	1.980	2.48	2.48	7.4	7.7						7.9								0.65	6270	52000	3.4	2020	1590	250		2.05				37500			1			2.05275	
5	2.042	2.48	2.48	7.3	7.7						7.9								0.63	6350	50000	3.4	2010	1610	250		2.18				0			1			2.17872	
6	2.127	2.48	2.48	7.2	7.7						8.1								0.63	6370	50000	3.5	2060	1800	250		2.20				0						2.1953	
7	2.103	2.48	2.48	7.0	7.7						8.0								0.64	6780	51000	3.2	2140	1720	260		2.16				63000						2.1596	
8	2.168	2.48	2.48	7.1	7.6						8.0			574		3	356	2	0.62	6800	54000	3.0	2280	1840	270		2.13			1.31	31500	0.30	0.39				2.12954	
9	2.186	2.48	2.48	7.0	7.7						7.8			576		3	369	3	0.49	6300	60000	2.8	2300	1850	270		2.30				31500	0.30	1.20	1	13.86		2.22947	
10	2.093	2.48	2.48	7.1	7.7						7.7			464		3	164	3	0.73	6380	62000	3.0	2400	1950	280		2.21				31500	0.30	1.20	1			2.20554	
11	2.034	2.48	2.48	7.1	7.8						8.2								0.76	6400	59000	2.9	2320	1830	280		2.15				31500			1			2.15093	
12	2.098	2.48	2.48	7.0	7.8						8.1								0.79	6440	40000	2.8	2370	1890	280		2.22				0						2.21675	
13	2.153	2.48	2.48	7.1	7.7						8.0								1.66	6420	50000	3.0	2420	1950	280		2.27				0						2.27382	
14	2.087	2.48	2.48	7.0	7.4						7.8								0.60	6750	56000	3.0	2320	1980	300		2.19				25200						2.18691	
15	2.043	2.48	2.48	7.2	7.4						8.0			444		3	248	3	0.86	6680	60000	3.3	2440	2030	300		2.10				31500	0.30	0.50		13.49		2.09482	
16	2.002	2.48	2.48	7.0	7.4						8.0			482		3	307	3	0.54	6550	59000	3.0	2350	1950	300		2.08				44100	0.30	0.45	28			2.08078	
17	1.969	2.48	2.48	7.1	7.5						8.2			524		3	160	3	1.18	6420	59000	3.3	2310	1920	300		2.05				94500	0.30	1.20	86			2.05351	
18	1.972	2.48	2.48	6.9	7.4						7.6								0.65	6620	56000	2.8	2200	1770	300		2.03				94200			8			2.02614	
19	2.164	2.48	2.48	7.2	7.5						8.0								0.17	6840	50000	2.8	2180	1840	300		2.28				0						2.27908	
20	2.122	2.48	2.48	7.1	7.3						8.1								0.81	7430	50000	3.4	2050	1650	300		2.32				0						2.31753	
21	1.990	2.48	2.48	7.0	7.3						8.0								1.12	7380	47000	4.0	2130	1740	300		2.16				78900						2.16094	
22	1.937	2.48	2.48	7.1	7.3						8.1			232		3	232	2	0.44	7000	51000	3.7	2210	1810	300		2.09				81000	0.30	1.10				2.09312	
23	2.120	2.48	2.48	7.0	7.4						8.1								0.14	7260	51000	3.3	2280	1860	300		2.23				87000			2			2.23384	
24	2.277	2.48	2.48	7.1	7.6						8.3			308		3	185	3	0.16	7300	45000	3.8	2020	1910	300		2.45				0	0.30	2.00				2.4465	
25	2.139	2.48	2.48	7.0	7.8						8.2								0.51	6950	51000	3.9	2150	1720	300		2.28				110700			1			2.2804	
26	2.115	2.48	2.48	7.0	7.5						8.0								0.51	6800	50000	3.6	2180	1740	300		2.27				73200						2.26933	
27	2.182	2.48	2.48	7.3	7.3						7.9			408		3	197	2	0.58	6810	50000	3.4	2020	1700	300		2.38			1.56	0	0.30	1.20		16.92		2.38239	
28	2.624	2.48	2.48	7.0	7.4						8.5								0.42	7200	48000	3.9	2120	1880	300		2.60				94200			1			2.60254	
29	2.651	2.48	2.48	7.1	7.4						7.9								1.30	7860	42000	3.7	2010	1680	300		4.07				107100						4.0645	
30	2.477	2.48	2.48	7.3	7.4						8.7								1.25	6460	59000	3.4	2330	1930	300		2.99				107100						2.98965	
31																																						
Tot.	63.87	74.4	74.4																20.81																			68.73
Avg.	2.129	2.48	2.48	7.1	7.5						8.0			457		3	270	3	0.694	6755	52167	3.29	2195	1808	284.3		2.294			1.219	49080	0.30	0.85	2	14.62		2.291	

RESIDENTIAL FLOW 20277 INDUSTRIAL WASTE POPULATION EQUIVALENT 28210 CBOD 38599 TSS OPERATOR Randolph P. Kustes Jr. CERT. NO. 14555

TOTAL NUMBER OF SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-540-6000 PLANT TELEPHONE