msd
Safe, clean waterways

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

May 16, 2017

Cheryl Edwards
DMR Coordinator
200 Fair Oaks Lane
Frankfort, Kentucky 40601

RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for April 2017.

Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Floyds Fork WQTC for the month of April 2017.

There were no exceedances, bypasses or overflow's to report.

If you have any questions concerning the attached DMR's, please contact me at (502) 715-2789

Sincerely,

Staci Huber
Process Supervisor

SH/ Floyds Fork 04/17

Enclosures

cc: V Teague
R. Shaw

DMR Copy of Record

Permit					
Permit #:	**KY0102784**	**Permittee:**	Floyds Fork WQTC MSD	**Facility:**	FLOYDS FORK WQTC MSD
Major:	Yes	**Permittee Address:**	700 W Liberty St Louisville, KY 40203	**Facility Location:**	1100 BLUE HERON RD LOUISVILLE, KY 40245
Permitted Feature:	001 External Outfall	**Discharge:**	**001-1** MUNICIPAL DISCHARGE		
Report Dates & Status					
Monitoring Period:	**From 04/01/17 to 04/30/17**	**DMR Due Date:**	**05/28/17**	**Status:**	**NetDMR Validated**
Considerations for Form Completion					
Principal Executive Officer					
First Name:	James A.	**Title:**	Executive Director	**Telephone:**	502-540-6000
Last Name:	Parrott				
No Data Indicator (NODI)					
Form NODI:	--				

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name					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						=	9					19 - mg/L		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						=	7.1			=	7.7	12 - SU		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	=	113	=	155	26 - lb/d			=	4	=	6	19 - mg/L		11/30 - 11 Per Month	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								=	356	=	504	19 - mg/L		11/30 - 11 Per Month	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								=	9	=	10	19 - mg/L		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	=	21	=	53	26 - lb/d			=	0.7	=	1.8	19 - mg/L		11/30 - 11 Per Month	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	=	10.1	=	12.9	26 - lb/d			=	0.3	=	0.4	19 - mg/L		11/30 - 11 Per Month	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	=	3.51	=	3.896	03 - MGD									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	=	3.396	=	3.754	03 - MGD									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	=	7	13 - #/100mL		11/30 - 11 Per Month	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	=	170	=	226	26 - lb/d			=	6	=	6	19 - mg/L		11/30 - 11 Per Month	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								=	312	=	420	19 - mg/L		11/30 - 11 Per Month	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						=	98					23 - %		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 - %		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
042017_FF_MOR.pdf	pdf	111721
042017_FF_Coverletter.pdf	pdf	69608

Report Last Saved By

Floyds Fork WQTC MSD

User:	staci.huber@louisvillemsd.org	Date/Time:	2017-05-18 09:33 (Time Zone: -04:00)
Name:	Staci Huber		
E-Mail:	staci.huber@louisvillemsd.org		

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH		SETTLEABLE SOLIDS (mg/L)			DISSOLVED OXYGEN (mg/L)			SUSPENDED SOLIDS (mg/L)			5 DAY CBOD (mg/L)			ACTIVATED SLUDGE			AERATION BASIN					SLUDGE HANDLING								FINAL				
																		RETURN								RAW			HAULED								
		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	GAL/DAY X 1000	MLSS x1000	WASTED GAL/DAY X 1000	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME 30 MIN.	SETTLED SLUDGE VOLUME 60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000	PHOSPHORUS, TOTAL (mg/L)	NH3-N (mg/L)	ECOLI	Total Nitrogen	TOTAL FLOW (MILLION GALLONS)
1	3.166	2.48	2.48	7.2	7.5					9.9								0.871	6740	40000	6.7	2180	1890	200		3.16					0					3.16631
2	2.876	2.48	2.48	7.3	7.4					9.4		164		3	210		6	0.801	5290	40000	5.3	2200	1780	200		2.91					0	0.30	0.25			2.90793
3	2.968	2.48	2.48	7.2	7.4					9.6		520		4	492		5	0.772	6120	57000	6.1	2140	1860	200		2.82			1.65		37800	0.30	0.25	4		2.82213
4	3.453	2.48	2.48	7.3	7.4					8.7		328		3	218		4	0.870	6610	50000	3.2	2050	1820	200		3.39					31500	0.33	0.20	1	9.83	3.38926
5	3.093	2.48	2.48	7.2	7.4					9.2								0.757	6750	50000	5.9	2120	1710	200		3.04					80300			1		3.03617
6	3.382	2.48	2.48	7.0	7.4					9.8								0.817	7110	48000	5.2	2070	1750	200		3.21					93600					3.21409
7	3.121	2.48	2.48	7.2	7.7					9.7								0.730	7050	48000	5.9	2080	1770	210		3.13					81000					3.1275
8	2.951	2.48	2.48	7.1	7.6					9.4								0.800	7100	40000	6.1	2020	1750	200		2.99					0					2.98639
9	3.033	2.48	2.48	7.2	7.4					9.2		332		5	510		7	0.806	6760	40000	4.7	1970	1740	200		3.02					0	0.36	0.20			3.02342
10	2.918	2.48	2.48	7.2	7.6					9.2		784		9	565		5	0.805	6840	50000	4.2	2100	1700	200		2.81			1.98		87300	0.31	0.20	1		2.80515
11	3.626	2.48	2.48	7.4	7.5					9.2		396		4	184		7	0.719	7790	49000	3.9	2350	1930	200		3.40					93600	0.32	0.81	1	9.08	3.42031
12	3.498	2.48	2.48	7.3	7.5					9.4								0.759	7920	43000	3.2	2090	1730	200		3.44					52800			1		3.43763
13	3.046	2.48	2.48	7.3	7.5					9.0								0.799	7480	46000	3.2	2130	1830	200		3.05					78000					3.04884
14	2.887	2.48	2.48	7.2	7.6					9.0								1.006	6180	52000	4.0	2020	1660	200		2.85					61400					2.85019
15	3.513	2.48	2.48	6.6	7.1					8.8								0.845	10220	40000	3.3	2080	1710	210		2.88					0					3.79967
16	2.932	2.48	2.48	6.3	7.5					8.8		184		3	171		7	0.721	9020	40000	3.7	2370	2050	220		3.80					0	0.48	4.20			2.87519
17	6.551	2.48	2.48	7.4	7.6					9.1		330		3	228		6	0.751	8220	40000	3.6	2020	1700	200		6.00					87300	0.30	0.89	1		6.0017
18	4.300	2.48	2.48	7.3	7.4					9.0		192		3	166		5	0.903	7540	43000	5.2	2000	1760	200		4.02			1.78		93800	0.30	0.22	4	6.46	4.01826
19	3.561	2.48	2.48	7.4	7.5					9.2								0.811	6460	55000	5.0	2160	1740	200		3.45					93600			14		3.44948
20	3.295	2.48	2.48	7.0	7.5					9.3								0.789	7420	47000	3.9	2130	1700	200		3.17					24900					3.17051
21	3.119	2.48	2.48	7.4	7.6					9.5								0.849	6580	52000	3.6	2100	1800	200		2.96					30600					2.96106
22	4.164	2.48	2.48	7.3	7.6					9.5								0.835	7430	40000	3.9	2200	1800	200		4.16					0					3.89145
23	3.848	2.48	2.48	7.3	7.5					9.3		382		3	343		5	0.895	7400	40000	3.5	2160	1840	200		3.63					0	0.41	0.20			3.65167
24	3.340	2.48	2.48	7.2	7.5					9.3		302		3	347		5	0.818	7110	45000	3.6	1980	1840	200		3.12			1.53		68400	0.32	0.35	6		3.11761
25	3.160	2.48	2.48	7.3	7.4					9.4								0.917	8530	47000	3.8	2470	2130	200		2.97					43500			8	9.61	2.97146
26	3.008	2.48	2.48	7.3	7.5					9.4								0.954	7100	53000	3.7	2300	1810	200		2.79					55800					2.79844
27	2.987	2.48	2.48	7.1	7.5					9.5								0.833	7070	48000	3.2	2080	1690	200		2.77					61800					2.76944
28	2.931	2.48	2.48	7.0	7.4					9.5								0.777	6410	53000	3.3	2080	1620	210		2.65					63000					2.65054
29	5.845	2.48	2.48	7.2	7.4					9.2								1.371	6990	40000	3.5	2110	1720	200		6.11					0					6.11406
30	4.668	2.48	2.48	7.1	7.3					9.0								1.233	8610	40000	3.3	2000	1740	200		4.40					0					4.3981
31																																				
Tot.	#####	74.4	74.4															25.614								102.086					1320000					101.87
Avg.	3.508	2.48	2.48	7.2	7.5					9.3		356		4	312		6	0.8538	7261.7	45866.7	4.257	2125	1786	201.7		3.40287			1.735		44000	0.34	0.71	2	8.745	3.396

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

33409	53725	49571	Randolph P. Kustes Jr.	14555
FLOW	CBOD	TSS	OPERATOR	CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-540-6000
PLANT TELEPHONE