msd
Safe, clean waterways

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

May 13, 2016

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

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

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 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) 715-2789

Sincerely,

Staci Huber
Process Supervisor

SMH/ Floyds Fork 4/16

Enclosures

cc: T. Singleton
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:**	12600 BEARCAMP RD LOUISVILLE, KY 40118
Permitted Feature:	001 External Outfall	**Discharge:**	**001-1** MUNICIPAL DISCHARGE		
Report Dates & Status					
Monitoring Period:	**From 04/01/16 to 04/30/16**	**DMR Due Date:**	**05/28/16**	**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						=	7.4			=	8.1	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	=	82	=	109	26 - lb/d			=	3	=	4	19 - mg/L		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								=	722	=	988	19 - mg/L		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	=	14	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	=	24	=	41	26 - lb/d			=	1	=	2	19 - mg/L		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	=	8.2	=	10.9	26 - lb/d			=	0.3	=	0.4	19 - mg/L		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	=	3.23	=	3.552	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	=	3.15	=	3.481	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								=	3	=	15	13 - #/100mL		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	=	83	=	95	26 - lb/d			=	3	=	4	19 - mg/L		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								=	340	=	410	19 - mg/L		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 - %		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						=	100					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
042016_FloydsFork_Coverletter.pdf	pdf	394127
042016_FloydsFork_MOR.pdf	pdf	971287

Report Last Saved By

Floyds Fork WQTC MSD

User:	kevin.ries@louisvillemsd.org	Date/Time:	2016-05-17 13:28 (Time Zone: -04:00)
Name:	Kevin Ries		
E-Mail:	kevin.ries@louisvillemsd.org		

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: April 2016

KPDES PERMIT NUMBER KY0102784 PLANT CAPACITY 3.5 MGD RECEIVING STREAM FLOYDS FORK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE: GRIT REMOVED (CUBIC FEET)	RAW SEWAGE: SCREENINGS (CUBIC FEET)	pH: RAW	pH: FINAL	SETTLEABLE SOLIDS (mg/L): RAW	SETTLEABLE SOLIDS (mg/L): PRIMARY EFFLUENT	SETTLEABLE SOLIDS (mg/L): FINAL EFFLUENT	DISSOLVED OXYGEN (mg/L): STREAM ABOVE	DISSOLVED OXYGEN (mg/L): FINAL EFFLUENT	DISSOLVED OXYGEN (mg/L): STREAM BELOW	SUSPENDED SOLIDS (mg/L): RAW	SUSPENDED SOLIDS (mg/L): PRIMARY EFFLUENT	SUSPENDED SOLIDS (mg/L): FINAL EFFLUENT	5 DAY CBOD (mg/L): RAW	5 DAY CBOD (mg/L): PRIMARY EFFLUENT	5 DAY CBOD (mg/L): FINAL EFFLUENT	ACTIVATED SLUDGE: RETURN: GAL/DAY X 1000	ACTIVATED SLUDGE: RETURN: MLSS x1000	ACTIVATED SLUDGE: WASTED: GAL/DAY X 1000	AERATION BASIN: DISSOLVED OXYGEN (mg/L)	AERATION BASIN: MLSS (mg/L) x 1000	AERATION BASIN: MLVSS (mg/L) X 1000	AERATION BASIN: SETTLED SLUDGE VOLUME: 30 MIN.	AERATION BASIN: SETTLED SLUDGE VOLUME: 60 MIN.	SLUDGE HANDLING: RAW: GALLONS X 1000	SLUDGE HANDLING: RAW: % DRY SOLIDS	SLUDGE HANDLING: RAW: % VOLATILE SOLIDS	SLUDGE HANDLING: HAULED: % DRY SOLIDS	SLUDGE HANDLING: HAULED: % VOLATILE SOLIDS	SLUDGE HANDLING: HAULED: WITHDRAWN GALLONS X 1000	FINAL: PHOSPHORUS, TOTAL (mg/L)	FINAL: NH3-N (mg/L)	FINAL: ECOLI	Total Nitrogen	TOTAL FLOW (MILLION GALLONS)
1	5.43	2.48	2.48	7.4	7.8													5.095	9990	45000	3.0	2760	2100	250		5.52					67500					
2	3.92	2.48	2.48	7.5	7.8													4.766	8450	50000	3.1	2770	2240	260		3.96					0					
3	3.37	2.48	2.48	7.4	7.7							548		3	415		3	5.203	7720	50000	4.0	2740	2100	260		3.37					0	0.36	0.56			
4	3.14	2.48	2.48	7.5	7.5							900		3	260		3	1.929	7830	62000	3.3	2990	2230	250		3.11			1.212		73800	0.41	0.34	1	8.15	
5	2.87	2.48	2.48	7.4	8.0							712		3	268		3	1.261	7480	65000	3.5	2950	2250	250		2.89					31500	0.49	0.50	1		
6	2.88	2.48	2.48	7.4	7.8													1.192	7650	60000	3.1	2860	2200	260		2.80					61500			1		
7	3.25	2.48	2.48	7.5	7.8													0.880	7860	63000	3.1	3020	2210	260		2.71					86700					
8	2.88	2.48	2.48	7.3	8.0													2.369	7900	62000	3.3	3000	2770	260		2.62					67800					
9	2.74	2.48	2.48	7.4	7.8													2.329	8100	50000	3.0	2980	2540	250		2.71					0					
10	2.93	2.48	2.48	7.4	7.8							1000		4	443		2	0.755	8660	50000	3.1	3000	2290	250		2.81					0	0.30	2.70			
11	3.59	2.48	2.48	7.4	7.9							980		3	385		2	0.638	8190	56000	2.6	2790	2120	250		3.29			1.552		67800		0.78	5	10.59	
12	4.21	2.48	2.48	7.5	7.7							984		4	290		3	0.966	8640	50000	3.6	2610	1960	250		4.28					73800		0.73	173		
13	3.34	2.48	2.48	7.4	7.4													0.533	10600	46000	2.9	2970	2140	250		3.33					67800			4		
14	3.13	2.48	2.48	7.3	7.9													0.667	9560	44000	3.2	2570	2300	220		3.10					67800					
15	2.97	2.48	2.48	7.3	7.7													0.653	9050	49000	3.2	2700	2010	240		2.92					61500					
16	2.88	2.48	2.48	7.3	7.5													0.772	8220	56000	2.9	2840	2090	240		2.86					0					
17	2.87	2.48	2.48	7.3	7.8							644		3	359		5	0.770	8020	57000	2.6	2820	2050	250		2.85					0	0.30	1.20			
18	2.78	2.48	2.48	7.2	7.8							156		3	160		3	0.709	8100	55000	2.5	2700	2050	250		2.75			1.6		31500	0.30	3.20	5	13.64	2.71
19	2.71	2.48	2.48	7.4	7.7							688		3	272		3	0.800	7710	60000	3.5	2850	2220	240		2.65					61800	0.30	0.90	1		
20	2.64	2.48	2.48	7.3	7.7													0.794	8210	55000	3.3	2740	1960	250		5.57					42600			1		
21	2.73	2.48	2.48	7.4	7.8													0.734	8890	54000	5.9	2960	2080	240		2.60					73200					
22	2.99	2.48	2.48	7.5	7.7													0.821	9070	53000	4.1	2830	2060	220		2.82					123300					
23	2.93	2.48	2.48	7.4	7.6													0.702	8510	50000	5.0	2770	2030	240		2.84					0					
24	2.93	2.48	2.48	7.4	7.4							1060		3	626		8	0.699	7520	50000	5.5	2810	2120	250		2.83					0	0.30	0.28		12.05	
25	2.69	2.48	2.48	7.3	7.7							552		3	351		2	0.702	8540	55000	3.7	2870	2010	250		2.65			1.63		67800	0.30	0.28	1		
26	2.67	2.48	2.48	7.3	8.1							434		3	252		2	0.700	7630	60000	3.6	2810	2120	250		2.58					85800	0.30	0.20	1		
27	3.61	2.48	2.48	7.4	8.1													0.809	7990	58000	3.0	2800	2060	250		3.34					73800			4		
28	4.88	2.48	2.48	7.5	7.7													0.885	8650	55000	3.9	2910	2220	250		4.95					61500					
29	3.32	2.48	2.48	7.5	8.0													0.660	8540	55000	4.2	2890	2100	250		3.34					49800					
30	3.61	2.48	2.48	7.5	8.0													0.642	8630	50000	6.5	2940	2250	250		3.49					0					
31																																				
Tot.	96.87	74.4	74.4															40.435								97.54					1398600					2.71
Avg.	3.229	2.48	2.48	7.4	7.8							722		3	340		3	1.34783	8397	54166.667	3.607	2842	2163	248		3.251			1.499		46620	0.34	0.97	3	11.11	2.710

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

FLOW	CBOD	TSS
30754	53875	92527

Randolph P. Kustes Jr. — OPERATOR

14555 — CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-540-6000 — PLANT TELEPHONE