msd
Safe, clean waterways

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

September 13, 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 August 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 August 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 08.16.doc

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:**	1100 BLUE HERON RD LOUISVILLE, KY 40245
Permitted Feature:	001 External Outfall	**Discharge:**	**001-1** MUNICIPAL DISCHARGE		
Report Dates & Status					
Monitoring Period:	**From 08/01/16 to 08/31/16**	**DMR Due Date:**	**09/28/16**	**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						=	7					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						=	7.5			=	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	=	92	=	109	26 - lb/d			=	3	=	3	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								=	520	=	781	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								=	9	=	11	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	1	--	Sample	=	10	=	18	26 - lb/d			=	0.3	=	0.5	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	54.2 MO AVG	<=	81.3 MX WK AV	26 - lb/d			<=	1 MO AVG	<=	1.5 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=	9.2	=	10.9	26 - lb/d			=	0.3	=	0.3	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	=	3.33	=	4.113	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	=	3.229	=	4.131	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								=	12	=	42	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	=	86	=	97	26 - lb/d			=	3	=	3	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								=	177	=	243	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						=	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
201608_FloydsFork_coverletter.pdf	pdf	113388
201608_FloydsFORK_MOR.pdf	pdf	118946

Report Last Saved By

Floyds Fork WQTC MSD

User:	staci.huber@louisvillemsd.org	Date/Time:	2016-09-16 07:30 (Time Zone: -04:00)
Name:	Staci Huber		
E-Mail:	staci.huber@louisvillemsd.org		

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

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

		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		WASTED				SETTLED SLUDGE VOLUME	RAW			HAULED							
DATE	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	GAL/DAY X 1000	MLSS x1000	GAL/DAY X 1000	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) X 1000	30 MIN.	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	4.404	2.48	2.48	7.3	7.7					7.8		378		3	103		2	1.31	8070	51000	2.2	2510	1970	240		4.84					93000	0.30	1.10			4.29591
2	4.707	2.48	2.48	7.3	7.7					7.9		79		3	72		3	1.41	8300	49000	2.3	2460	1900	240		4.84				1.33	86400	0.30	0.21	4	5.3	4.83486
3	3.942	2.48	2.48	7.2	8.1					7.9		400		3	218		3	0.49	9280	48000	2.8	2690	2020	250		3.51					93600	0.30	0.20	5		3.51402
4	3.236	2.48	2.48	7.4	8.0					7.9								0.89	9230	45000	4.2	2510	2000	250		3.07					61500			18		3.07211
5	3.073	2.48	2.48	7.3	7.9					7.4								0.47	7090	54000	2.5	2330	1860	250		3.03					61800					3.03197
6	3.037	2.48	2.48	7.3	7.8					7.4								0.73	7690	50000	3.3	2360	1890	250		2.99					18900					2.98553
7	2.895	2.48	2.48	7.3	7.7					7.7								0.61	7450	50000	3.5	2320	1800	250		2.84					0					2.84187
8	2.745	2.48	2.48	7.3	7.7					7.8		612		3	307		3	0.56	7030	52000	3.4	2220	1890	250		2.67					99300	0.30	0.20			2.66916
9	2.876	2.48	2.48	7.2	8.0					7.7		1260		3	175		3	0.50	7050	55000	3.0	2360	1820	250		2.75				1.56	99000	0.30	0.20	1	11.29	2.74523
10	2.774	2.48	2.48	7.1	7.9					7.5		472		3	246		3	0.80	7150	51000	2.3	2220	1710	240		2.71					61500	0.30	0.50	22		2.71375
11	2.725	2.48	2.48	7.1	7.8					7.8								0.67	6870	55000	2.7	2330	1880	250		2.71					61800			25		2.63111
12	2.632	2.48	2.48	7.2	7.8					7.9								0.68	6760	56000	2.8	2330	1930	240		2.52					31500					2.51811
13	2.727	2.48	2.48	7.2	7.9					7.8								0.76	6970	50000	2.9	2320	1910	250		2.58					0					2.57804
14	2.770	2.48	2.48	7.1	7.9					7.8								0.67	6850	50000	3.0	2350	1920	250		2.61					0					2.6123
15	3.973	2.48	2.48	7.2	7.7					7.8		578		3	139		2	0.83	7310	50000	2.3	2230	1830	250		3.89					37800	0.30	0.31			3.88797
16	3.382	2.48	2.48	7.4	7.8					7.8		470		3	206		3	0.78	7950	47000	2.8	2300	1820	240		3.32				1.59	87900	0.30	0.20	9	9.06	3.31862
17	4.513	2.48	2.48	7.2	7.8					7.8		404		3	86		3	0.78	7900	51000	3.3	2480	1940	240		4.37					63000	0.30	0.12	4		4.36808
18	3.671	2.48	2.48	7.3	8.0					7.8								0.79	8310	48000	5.3	2420	1900	240		3.63					75300			14		3.62958
19	3.111	2.48	2.48	7.1	7.9					7.8								0.83	8310	46000	4.1	2310	1790	240		3.04					63000					3.04048
20	4.527	2.48	2.48	7.1	8.0					7.8								0.88	8130	50000	3.8	2230	1690	250		4.59					0					4.59323
21	5.616	2.48	2.48	7.1	7.8					7.6								1.66	8890	50000	5.7	2200	1840	240		6.08					0					6.07603
22	4.331	2.48	2.48	7.2	7.8					7.7		460		3	145		3	0.66	8380	46000	5.5	2360	1850	250		3.86					56700	0.30	0.20			3.86241
23	3.249	2.48	2.48	7.4	7.8					7.8		560		3	181		3	0.79	7000	51000	4.5	2210	1680	240		3.17				1.26	37500	0.30	0.20	41	9.45	3.17169
24	3.010	2.48	2.48	7.4	7.7					7.8		564		3	246		3	0.74	7370	52000	3.0	2340	1840	230		2.93					56400	0.30	0.20	33		2.9247
25	2.871	2.48	2.48	7.3	7.7					7.7								0.70	7050	51000	2.6	2190	1710	230		2.76					69000			56		2.76442
26	2.658	2.48	2.48	7.0	7.9					7.7								0.75	7090	51000	3.2	2200	1660	230		2.59					63000					2.58541
27	2.741	2.48	2.48	7.1	7.8					7.7								0.66	7170	50000	3.4	2210	1730	230		2.62					0					2.61678
28	2.819	2.48	2.48	7.1	7.8					7.8								0.60	6910	50000	3.0	2230	1780	230		2.63					0					2.62786
29	2.627	2.48	2.48	7.3	7.7					7.5								0.63	6900	52000	2.5	2180	1740	230		2.47					63000					2.47302
30	2.603	2.48	2.48	7.2	7.5					7.6								0.64	7010	49000	2.6	2080	1660	230		2.46					37800					2.45546
31	2.966	2.48	2.48	7.3	7.8					8.4								0.55	6790	52000	2.9	2190	1700	240		**2.67**					50400					2.6671
Tot.	######	76.88	76.88															23.81								100.7					1529100					100.11
Avg.	3.329	2.48	2.48	7.2	7.8					7.8		520		3	177		3	0.768	7557	50387	3.271	2312	1828	241.9		3.249				1.435	49325.8065	0.30	0.30	12	8.775	3.229

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

31708	28910	68723	Randolph P Kustes Jr	145555
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