



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

July 11, 2017

Cheryl Edwards
300 Sower Blvd., 3rd Floor
Frankfort, Kentucky 40601

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

Biomonitoring report for 2nd qtr attached.

There were no exceedances, overflows or bypasses.

If you have any questions concerning the attached DMR's, please contact me at (502)587-5858.

Sincerely,

Staci Huber
Process Supervisor

SH/ Floyds Fork. 06/17.

Cc: V. Teague
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 06/01/17 to 06/30/17	DMR Due Date:	07/28/17
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	=	8									19 - mg/L	06/30 - Six Per Month	GR - GRAB	
					Permit Req.	>=	7 INST MIN									19 - mg/L	01/07 - Weekly	GR - GRAB	
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	7.2				=	7.5				12 - SU	05/30 - 5 Times Every Month	GR - GRAB	
					Permit Req.	>=	6 MINIMUM			<=	9 MAXIMUM				12 - SU	01/07 - Weekly	GR - GRAB		
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	80	=	95	26 - lb/d		=	3	=	3	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	1626 MO AVG	<=	2439 MX WK AV	26 - lb/d		<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample						=	216	=	316	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.												01/07 - Weekly	24 - COMP24	
					Value NODI														
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	11	=	12	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.												01/07 - Weekly	24 - COMP24	
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	6	=	7	26 - lb/d		=	0.2	=	0.2	19 - mg/L	01/07 - Weekly	24 - COMP24	
					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	01/07 - Weekly	24 - COMP24	
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=	8	=	9.5	26 - lb/d		=	0.3	=	0.3	19 - mg/L	01/07 - Weekly	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	01/07 - Weekly	24 - COMP24	
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	3.21	=	3.976	03 - MGD							99/99 - Continuous	CN - CONTIN	
					Permit Req.													99/99 - Continuous	RE - Record (manual)
					Value NODI														
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	2.724	=	3.493	03 - MGD							99/99 - Continuous	CN - CONTIN	
					Permit Req.													99/99 - Continuous	RE - Record (manual)
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	3	=	45	13 - #/100mL	01/07 - Weekly	GR - GRAB		
					Permit Req.													01/07 - Weekly	GR - GRAB
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	127	=	159	26 - lb/d		=	5	=	5	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	325 MO AVG	<=	488 MX WK AV	26 - lb/d		<=	6 MO AVG	<=	9 MX WK AV	19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample						=	215	=	267	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.													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.													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.													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
062017_FF_Coverletter.pdf	pdf	92762
062107_FF_MOR.pdf	pdf	108405

Report Last Saved By

Floyds Fork WQTC MSD

User: WRIGHTDUANE | Date/Time: 2017-07-25 13:25 (Time Zone: -04:00)
Name: Duane Wright
E-Mail: duane.wright@louisvillemisd.org

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:	001-2 TOXICITY														
Report Dates & Status																			
Monitoring Period:	From 04/01/17 to 06/30/17			DMR Due Date:	07/28/17				Status:	NetDMR Validated									
Considerations for Form Completion																			
THREE 24-HOUR COMPOSITE SAMPLES ONE EACH COLLECTED EVERY OTHER DAY FOR A PERIOD OF 5 DAYS; IE - DAYS 1, 3 & 5																			
Principal Executive Officer																			
First Name:	James A.			Title:	Exec. Dir.				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			
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample										<	1	2G - tox chronic	01/90 - Quarterly	24 - COMP24
					Permit Req.										<=	1 MAXIMUM	2G - tox chronic	01/90 - Quarterly	24 - COMP24
					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																			
Floyds Fork WQTC MSD																			
User:	WRIGHTDUANE			Date/Time:	2017-07-25 13:25 (Time Zone: -04:00)														
Name:	Duane Wright																		
E-Mail:	duane.wright@louisvillemtd.org																		

DATE	TOTAL FLOW (MILLION GALLONS)	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					
		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 X 1000	WAST ED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME		RAW			HAULED		PHOSPHORUS, TOTAL (mg/L)	NH3-N (mg/L)	ECOLI				
																								30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS				WITHDRAWN GALLONS X 1000			
1	3.022	2.48	2.48	7.1								316		3	267		5	0.803	6850	53000	3.0	2220	1910	200		3.022					31500	0.30	0.20				
2	2.985	2.48	2.48	6.9	7.5					8.8								0.942	5300	60000	2.9	2180	1820	200		2.985					31500			1		2.56599	
3	2.958	2.48	2.48	7.0	7.2					8.4								0.779	5330	40000	2.9	2630	2090	220		2.58				0					2.58263		
4	2.923	2.48	2.48	7.0						8.2								0.869	4490	40000	2.6	2690	2310	210		2.53				0					2.52782		
5	2.994	2.48	2.48	7.0														0.778	5680	64000	2.9	2250	1930	220		2.49			1.42	37800			10.18		2.49085		
6	2.880	2.48	2.48	6.9														0.771	6010	55000	2.8	2010	1740	220		2.42				63000					2.42058		
7	2.855	2.48	2.48	7.0														0.791	7050	52000	3.5	2230	1860	220		2.36				63000					2.36114		
8	2.813	2.48	2.48	7.1	7.3					8.4		226		3	201		4	0.762	6730	53000	3.9	2210	1800	240		2.30				69300	0.30	0.20			2.30078		
9	2.664	2.48	2.48	7.1														0.754	5280	67000	3.7	2220	1880	220		2.24				100800			1		2.24355		
10	2.759	2.48	2.48	7.0														0.796	7050	40000	3.6	2110	1710	210		2.30				0					2.29708		
11	2.810	2.48	2.48	7.0														0.858	6110	40000	2.9	2410	1900	230		2.37				0					2.36964		
12	2.853	2.48	2.48	7.1														0.842	5390	66000	3.0	2200	1840	250		2.33		1.27	75600			12.22			2.32952		
13	2.283	2.48	2.48	7.0														0.435	6090	59000	3.2	2180	1790	230		2.39				75300					2.38964		
14	3.346	2.48	2.48	7.1														0.764	6200	56000	3.9	2140	1770	230		2.38				37800					2.38329		
15	3.815	2.48	2.48	7.1	7.3					8.4		126		3	189		5	0.674	6400	51000	4.3	2010	1620	220		3.18				56700	0.30	0.22			3.17999		
16	3.112	2.48	2.48	7.0														1	6420	52000	4.5	2050	1640	220		2.68				31500			1		2.6814		
17	2.754	2.48	2.48	7.1														0.732	6260	50000	4.5	2110	1690	220		2.31				0					2.31107		
18	2.905	2.48	2.48	7.1														0.856	6150	50000	3.0	2130	1700	220		2.56				0					2.56125		
19	3.603	2.48	2.48	7.1														0.728	6250	55000	3.4	2120	1690	220		2.90		1.8	50400			12.16			2.90115		
20	2.987	2.48	2.48	7.1														0.778	6280	58000	3.6	2240	1930	220		2.46				75400					2.46011		
21	2.846	2.48	2.48	7.0														0.771	6020	64000	3.9	2370	1890	220		2.38				63000					2.38085		
22	3.140	2.48	2.48	7.1	7.4					7.7		194		3	201		5	0.786	6120	56000	3.8	2140	1740	220		2.43				44100	0.30	0.21			2.42623		
23	4.313	2.48	2.48	6.8														0.566	5810	60000	2.7	2140	1720	220		4.25				44100			45		4.24598		
24	5.948	2.48	2.48	6.9														1.46	4190	50000	3.0	2020	1520	200		5.36				0					5.36276		
25	3.927	2.48	2.48	7.1														1.18	5570	50000	4.6	2490	1950	250		3.36				0					3.39551		
26	4.004	2.48	2.48	7.1														0.801	5350	60000	4.9	2410	2020	250		3.85		1.32	63000				8.76		2.85217		
27	3.391	2.48	2.48	7.1														0.779	6300	53000	4.1	2060	1570	230		2.70				37800					2.6977		
28	3.112	2.48	2.48	7.1														0.733	6630	58000	5.0	2270	1680	220		2.51				63000					2.51089		
29	3.142	2.48	2.48	7.1														0.734	6300	55000	4.3	2110	1650	220		2.46				63000					2.49615		
30	3.077	2.48	2.48	6.9														0.725	6350	54000	4.1	2120	1680	210		2.39				25200					2.39372		
31																																					
Tot.	96.22	74.4	74.4															24.25																			
Avg.	3.207	2.48	2.48	7.0	7.3					8.3		216		3	215		5	0.808	5999	53967	3.617	2216	1801	222		2.7647			1E+06			3	10.83		78.12	2.694	

RESIDENTIAL COMMERCIAL INDUSTRIAL = 0
 INDUSTRIAL WASTE POPULATION EQUIVALENT: 30546 FLOW, 33751 CBOD, 27450 TSS
 TOTAL NUMBER OF SEWER CONNECTIONS = 0 X 4 = 0 SEWERED POPULATION
 OPERATOR: Randolph P. Kustes Jr. CERT. NO. 14555
 PLANT TELEPHONE: 502-540-6000