



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

June 11, 2017

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

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

There was one exceedance for weekly ammonia limit. The returns were increased and the oxidation ditch orbitals were increased in speed as well.

There were no 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. 05/17.

Cc: V. Teague  
R. Shaw

DMR Copy of Record

<b>Permit</b>					
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		

<b>Report Dates &amp; Status</b>					
Monitoring Period:	From 05/01/17 to 05/31/17	DMR Due Date:	06/28/17	Status:	NetDMR Validated

**Considerations for Form Completion**

<b>Principal Executive Officer</b>					
First Name:	James A.	Title:	Executive Director	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		
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample					=	8						19 - mg/L	01/07 - Weekly	GR - GRAB		
					Permit Req.					>=	7 INST MIN								19 - mg/L	01/07 - Weekly	GR - GRAB
					Value NODI																
00400	pH	1 - Effluent Gross	0	--	Sample					=	7.4			=	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	=	103	=	119	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						=	304	=	434		19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.												19 - mg/L	01/07 - Weekly	24 - COMP24		
					Value NODI																
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	10	=	15		19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.												19 - mg/L	01/07 - Weekly	24 - COMP24		
					Value NODI																
X 00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	28	=	48	26 - lb/d		=	1	=	2		19 - mg/L	06/30 - Six Per Month	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	01/07 - Weekly	24 - COMP24		
					Value NODI																
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=	10.3	=	11.9	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	=	4	=	5.117	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	=	3.62	=	4.807	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						=	11	=	36		13 - #/100mL	01/07 - Weekly	GR - GRAB			
					Permit Req.														13 - #/100mL	01/07 - Weekly	GR - GRAB
					Value NODI																
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	91	=	108	26 - lb/d		=	3	=	4		19 - mg/L	06/30 - Six 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	01/07 - Weekly	24 - COMP24		
					Value NODI																
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample						=	244	=	280		19 - mg/L	06/30 - Six Per Month	CP - COMPOS			
					Permit Req.														19 - mg/L	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.														23 - %	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.														23 - %	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**

Parameter

Code	Name	Monitoring Location	Field	Type	Description	Acknowledge
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

**Comments**

**Attachments**

Name	Type	Size
052107_FF_Coverletter.pdf	pdf	108073
052017_FF_MOR.pdf	pdf	109366

**Report Last Saved By**

**Floyds Fork WQTC MSD**

User:	staci.huber@louisvillemsd.org	Date/Time:	2017-06-27 10:00 (Time Zone: -04:00)
Name:	Staci Huber		
E-Mail:	staci.huber@louisvillemsd.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			Total Nitrogen	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	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	GAL/DAY X 1000	MLSS X 1000	GAL/DAY X 1000	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	WYTHORAW GALLONS X 1000												
																																								RAW			HAULED			
1	4.748	2.48	2.48	7.3	7.4														0.923	6450	55000	3.6	2190	1800	200		3.96			1.54		25200	0.30	0.20												
2	3.747	2.48	2.48	7.1															0.258	6400	51000	3.0	1990	1690	200		3.35					87300						13		3.35153						
3	3.334	2.48	2.48	7.2															0.827	6550	52000	3.2	2080	1710	200		3.04					55800									3.04114					
4	3.881	2.48	2.48	7.2															0.707	7560	44000	3.0	2020	1640	200		3.45					37800									3.45422					
5	8.673	2.48	2.48	7.2															1.281	6870	49000	3.3	2070	1650	200		8.84					37800									8.83992					
6	6.543	2.48	2.48	7.2															1.464	6750	40000	3.1	2010	1630	200		6.31					0									6.30596					
7	4.896	2.48	2.48	7.4															1.020	5830	40000	3.3	1880	1660	200		4.70					0									4.69733					
8	4.709	2.48	2.48	7.3	7.5														0.499	7610	46000	3.0	2140	1620	200		3.79					18000	0.30	0.20				7.32		3.78708						
9	3.689	2.48	2.48	6.9															0.855	6900	48000	3.3	2040	1630	200		3.35					81000						8		3.34824						
10	3.380	2.48	2.48	7.0															0.896	6790	51000	3.0	2110	1830	200		3.13					81000									3.1313					
11	3.524	2.48	2.48	7.3															0.743	7300	45000	2.9	2000	1660	200		3.18					55800									3.18057					
12	3.282	2.48	2.48	7.2															0.749	6890	48000	2.2	2040	1700	200		2.93					43800									2.93					
13	3.196	2.48	2.48	7.1															0.691	6820	40000	3.0	2070	1750	200		2.93					0									2.92798					
14	3.135	2.48	2.48	7.1															0.826	6750	40000	3.4	2080	1660	200		2.87					0									2.87308					
15	3.070	2.48	2.48	7.0	7.5														0.740	6620	52000	2.8	2120	1730	200		2.77					0									2.87308					
16	3.006	2.48	2.48	7.1															0.772	6600	53000	3.1	2150	1790	200		2.66					49500	0.30	5.00			15.33				2.76772					
17	2.989	2.48	2.48	7.1															0.763	6040	57000	2.0	2120	1830	200		2.60					37500						36			2.6623					
18	2.858	2.48	2.48	7.0															0.742	6630	48000	2.1	2100	1840	200		2.54					37500									2.59671					
19	2.868	2.48	2.48	7.1															0.816	6620	45000	2.3	2010	1750	200		2.47					37800									2.53874					
20	3.222	2.48	2.48	7.0	7.5														0.782	6810	45000	2.1	2080	1710	200		2.80					81300									2.46972					
21	5.171	2.48	2.48	7.1															0.652	6960	40000	2.2	2110	1780	200		4.69					0									2.7947					
22	3.898	2.48	2.48	7.2	7.4														0.743	7060	46000	4.0	2000	1700	200		3.48					0									4.69306					
23	3.361	2.48	2.48	7.1															0.858	7820	43000	5.3	2040	1650	200		2.97					93300	0.30	0.20				9.67			3.47682					
24	3.721	2.48	2.48	7.0															0.785	6510	53000	5.0	2120	1790	200		3.17					87300						4			2.96615					
25	6.516	2.48	2.48	7.1															0.232	6990	49000	5.2	2110	1710	200		6.07					55800									3.16916					
26	4.732	2.48	2.48	7.0															0.774	6590	51000	6.0	2090	1690	200		4.31					55800									6.06553					
27	3.976	2.48	2.48	7.1															1.049	6730	40000	5.0	2070	1700	200		3.56					31500									4.31004					
28	3.828	2.48	2.48	7.0															0.980	6360	40000	4.8	2120	1720	200		3.45					0									3.56239					
29	3.522	2.48	2.48	7.1															0.790	6510	40000	5.1	2090	1680	200		3.18					0									3.44941					
30	3.324	2.48	2.48	7.0															0.845	6380	55000	4.6	2160	1810	200		2.92					37800									3.18407					
31	3.171	2.48	2.48	7.0															0.908	6410	56000	4.1	2210	1840	200		2.77					81000									2.92391					
Tot. #####		76.88	76.88																24.97																								2.76518			
Avg.	3.999	2.48	2.48	7.1	7.5														8.4	304		3	244		3	0.805	6745	47161.3	3.516	2078	1721	200		3.62			1.595		40035.5	0.30	1.04	11	9.96			3.620

RESIDENTIAL  
COMMERCIAL  
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT  
38085 FLOW  
47917 CBOD  
48240 TSS

Randolph P. Kustes Jr. 14555  
OPERATOR CERT. NO.

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

502-540-6000  
PLANT TELEPHONE