



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

May 22, 2018

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

**RE:   Floyds Fork WQTC, KPDES No: KY0102784  
      Discharge Monitoring Report for April 2018.**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Floyds Fork Water Quality Treatment Center, for the month of April 2018.

There were no exceedances, overflows, or bypasses.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6952.

Sincerely,

William Ford  
Process Supervisor-Operations

WF/ Floyds Fork 04/18.

Cc:   V. Teague  
      R. Shaw

**DMR Copy of Record**

<b>Permit</b>			
<b>Permit #:</b>	<b>KY0102784</b>	<b>Permittee:</b>	Floyds Fork WQTC MSD
<b>Major:</b>	Yes	<b>Permittee Address:</b>	700 W Liberty St Louisville, KY 40203
<b>Permitted Feature:</b>	001 External Outfall	<b>Discharge:</b>	<b>001-1</b> MUNICIPAL DISCHARGE
<b>Facility:</b>		<b>Facility Location:</b>	FLOYDS FORK WQTC MSD 1100 BLUE HERON RD LOUISVILLE, KY 40245

<b>Report Dates &amp; Status</b>			
<b>Monitoring Period:</b>	<b>From 04/01/18 to 04/30/18</b>	<b>DMR Due Date:</b>	<b>05/28/18</b>
<b>Status:</b>	<b>NetDMR Validated</b>		

**Considerations for Form Completion**

<b>Principal Executive Officer</b>			
<b>First Name:</b>	James A.	<b>Title:</b>	Executive Director
<b>Last Name:</b>	Parrott	<b>Telephone:</b>	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	=	9									19 - mg/L	0	01/07 - Weekly	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	=	7.2				=	7.4				12 - SU	0	01/07 - Weekly	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	=	131	=	162	26 - lb/d	=	3	=	4		19 - mg/L	0	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	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample						=	176	=	270		19 - mg/L	0	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														
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample	=	9				=	13				19 - mg/L	0	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	=	33	=	70	26 - lb/d	=	0.8	=	1.3		19 - mg/L	0	01/07 - Weekly	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	=	12.3	=	16.2	26 - lb/d	=	0.3	=	0.3		19 - mg/L	0	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	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	4.25	=	5.637	03 - MGD							0	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	=	4.009	=	5.398	03 - MGD							0	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	=	7		13 - #/100mL	0	01/07 - Weekly	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	=	131	=	205	26 - lb/d	=	3	=	4		19 - mg/L	0	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	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample						=	176	=	260		19 - mg/L	0	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														
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	98				23 - %	0	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						=	98				23 - %	0	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
FF_DMRCoverletter.pdf	pdf	68260
FFMOR032018.pdf	pdf	73117

**Report Last Saved By**

**Floyds Fork WQTC MSD**

User: WILLIAM.FORD@LOUISVILLEMSD.ORG  
Name: William Ford  
E-Mail: william.ford@louisvillemsd.org  
Date/Time: 2018-05-22 09:26 (Time Zone: -04:00)

**Report Last Signed By**

User: WILLIAM.FORD@LOUISVILLEMSD.ORG  
Name: William Ford  
E-Mail: william.ford@louisvillemsd.org  
Date/Time: 2018-05-22 09:49 (Time Zone: -04:00)

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: April 2018  
 KPDES PERMIT NUMBER KY0102784 PLANT CAPACITY 3.5 MGD RECEIVING STREAM FLOYDS FORK

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	GAL/DAY X 1000	MLSS X 1000	GAL/DAY X 1000	WAST ED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE PER VOLUME	90 MIN.	90 MIN.	GALLONS X 1000	RAW			HAULED			PHOSPHORUS TOTAL (mg/L)			NH3-N (mg/L)	ECOLI		
																													% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000								
1	6.142	2.48	2.48									112		3	96		4	1.181	10770	27000		5.1	1790	1430	250			5.88						0	0.30	0.37				7.49	5.87463
2	8.043	2.48	2.48	7.2	7.2													1.518	10770	27000		7.3	1790	1430	200			7.87		1.69		69300				1	7.49	7.86664			
3	5.802	2.48	2.48	7.1														1.581	6430	55000		7.6	2170	1700	250			5.49			75600								5.48574		
4	6.355	2.48	2.48	7.1														1.310	8530	44000		7.5	2290	1840	200			6.23			75600								6.22687		
5	4.919	2.48	2.48	7.3														0.568	7000	61000		7.0	2620	1920	230			4.57			75600								4.57309		
6	4.327	2.48	2.48	7.2														0.595	6690	46000		6.5	1900	1390	200			4.04			63000								4.03512		
7	3.871	2.48	2.48															0.766		50000		5.8			200			3.72			0								3.72045		
8	3.800	2.48	2.48									143		4	165		4	0.749		50000		4.6			200			3.65			0	0.30	0.95						3.65337		
9	3.559	2.48	2.48	7.3	7.4													0.836	7960	46000		4.6	2230	1830	200			3.35		1.75		63000				2420	8	3.34658			
10	3.411	2.48	2.48	7.3														0.788	6870	48000		4.8	2010	1650	200			3.15			69300								3.1522		
11	3.249	2.48	2.48	7.2														0.778	6070	54000		3.3	1990	1630	200			3.03			75600								3.03253		
12	3.129	2.48	2.48	6.9														0.728	7010	50000		3.7	2060	1730	200			2.95			75600								2.9449		
13	3.031	2.48	2.48	7.0														0.749	6260	50000		3.5	2200	1800	200			2.83			56700								2.8279		
14	3.392	2.48	2.48															0.763		45000		3.6			200			3.06			0								3.05737		
15	6.470	2.48	2.48	7.0								180		3	182		2	1.557	7490	40000		3.5	1820	1700	200			6.78			0	0.30	1.30					6.77891			
16	5.239	2.48	2.48	7.1	7.4													1.696	6520	56000		3.2	2330	1930	250			5.00		1.84		69300							6.02	4.99453	
17	4.845	2.48	2.48	7.2														0.685	5670	50000		6.9	2460	2050	250			4.30			63000								4.30113		
18	3.817	2.48	2.48	7.1														0.794	8550	40000		4.2	2120	1690	210			3.65			69300								3.64492		
19	3.514	2.48	2.48	7.2														0.756	7800	42000		4.0	2000	1620	210			3.31			69300								3.30573		
20	3.257	2.48	2.48	7.0														0.779	8470	41000		5.1	2150	1720	200			3.08			69300								3.07659		
21	3.240	2.48	2.48															0.719		45000		4.9			210			3.03			0								3.03		
22	3.307	2.48	2.48									270		3	260		3	0.809		50000		3.8			210			3.07			0	0.30	0.40						3.07417		
23	4.240	2.48	2.48	7.3	7.3													1.073	5840	59000		4.0	2120	1700	250			3.75		1.69		56700							12.63	3.74832	
24	4.959	2.48	2.48	7.0														0.870	8400	40000		4.7	2090	1690	250			4.54			63000								4.54403		
25	4.342	2.48	2.48	7.3														0.753	7470	44000		7.6	2000	1630	220			4.07			69300								4.06549		
26	3.828	2.48	2.48	7.3														0.800	7880	37000		3.8	1780	1680	200			3.54			50400								3.53895		
27	3.447	2.48	2.48	7.0														0.736	6650	52000		3.8	2120	1730	240			3.22			0								3.21992		
28	3.400	2.48	2.48															0.770		30000		3.6			220			3.12			0								3.123		
29	3.392	2.48	2.48															0.738		40000		4.6			240			3.11			0								3.11223		
30	3.195	2.48	2.48	7.0														0.832	8580	43000		4.2	2270	1830	250			2.90			44100								2.90289		
31																																									
Tot.	#####	74.4	74.4															27.28										120.3			1323000									120.26	
Avg.	4.251	2.48	2.48	7.1	7.3							176		3	176		3	0.909	7405	46166.7		4.952	2115	1718	218			4.009			1.7425			44100	0.30	0.76	3	8.535	4.009		

RESIDENTIAL COMMERCIAL INDUSTRIAL                      INDUSTRIAL WASTE POPULATION EQUIVALENT  
 40482 36649 29753  
 FLOW CBOD TSS  
 OPERATOR Randolph P. Kustes Jr. CERT. NO. 14555

TOTAL NUMBER OF SEWER CONNECTIONS 0  
 SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION  
 PLANT TELEPHONE 502-540-6000