



Safe, clean waterways

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

June 8, 2016

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

**RE: Floyds Fork WQTC, KPDES No: KY0102784  
Discharge Monitoring Report for May 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 May 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 5/16

Enclosures

cc: T. Singleton  
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 05/01/16 to 05/31/16</b>	<b>DMR Due Date:</b>	<b>06/28/16</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						=	8					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	=	93	=	99	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						=	375	=	522	19 - mg/L	03/07 - Three Per Week	CP - COMPOS				
					Permit Req.																
					Value NODI																
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	9	=	10	19 - mg/L	01/07 - Weekly	CP - COMPOS				
					Permit Req.																
					Value NODI																
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	11	=	14	26 - lb/d		=	0.3	=	0.4	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	=	9.3	=	9.9	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	=	3.66	=	4.514	03 - MGD								99/99 - Continuous	CN - CONTIN		
					Permit Req.																
					Value NODI																
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	3.729	=	4.7	03 - MGD								99/99 - Continuous	CN - CONTIN		
					Permit Req.																
					Value NODI																
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	1	=	2	13 - #/100mL	03/07 - Three Per Week	GR - GRAB				
					Permit Req.																
					Value NODI																
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	72	=	76	26 - lb/d		=	2	=	2	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						=	205	=	237	19 - mg/L	03/07 - Three Per Week	CP - COMPOS				
					Permit Req.																
					Value NODI																
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	99			23 - %	01/01 - Daily	CA - CALCTD				
					Permit Req.																
					Value NODI																
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	99			23 - %	01/01 - Daily	CA - CALCTD				
					Permit Req.																
					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
201605_FloydsFork_coverletter.pdf	pdf	398971
201605_FloydsFork_MOR.pdf	pdf	1035091

**Report Last Saved By**

**Floyds Fork WQTC MSD**

User: kevin.thompson@louisvillemsd.org	Date/Time: 2016-06-14 14:07 (Time Zone: -04:00)
Name: Kevin Thompson	
E-Mail: kevin.thompson@louisvillemsd.org	

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: May 2016  
 KPDES PERMIT NUMBER KY0102784 PLANT CAPACITY 3.5 MGD RECEIVING STREAM FLOYDS FORK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE			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	RETURN			WASTE D	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	Total Nitrogen	TOTAL FLOW (MILLION GALLONS)
																		GAL/DAY x 1000	MLSS x 1000	GAL/DAY x 1000					30 MIN.	60 MIN.	GALLONS x 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS x 1000					
1	4.305	2.48	2.48	7.4	7.7				8.8		112	3	108	2	0.615	8700	50000	3.9	2840	2250	240		4.27					0	0.30	0.50	2		4.26746				
2	4.095	2.48	2.48	7.4	8.0				8.8		368	3	161	2	0.894	8680	52000	4.4	2760	2300	250		4.12					61500	0.30	0.28		9	4.1172				
3	3.455	2.48	2.48	7.4	8.1				8.9		436	3	214	3	0.853	9780	50000	4.7	3020	2280	250		3.42					87000	0.30	0.20	1		3.42008				
4	3.314	2.48	2.48	7.4	8.0				8.8						0.852	9640	45000	4.7	2680	2000	250		3.30					49800			1		3.29924				
5	3.311	2.48	2.48	7.4	8.0				8.8						0.897	9040	49000	4.4	2700	2180	250		3.36					74700					3.35856				
6	3.091	2.48	2.48	7.3	7.7				8.7						0.876	8980	51000	5.0	2790	2260	250		3.18					79500					3.18039				
7	3.239	2.48	2.48	7.3	8.1				8.8						0.905	6630	62000	4.7	2530	1990	250		3.20					6000					3.19606				
8	4.368	2.48	2.48	7.6	7.8				8.8		432	3	204	2	0.903	9150	49000	3.0	2680	2130	250		4.47					0	0.30	0.20			4.47195				
9	3.574	2.48	2.48	7.3	8.0				8.8		660	3	273	2	0.861	8250	54000	4.5	2700	2050	250		3.57				1.469	92600	0.30	0.20	1	9.06	3.56628				
10	3.669	2.48	2.48	7.5	8.0				8.8		473	3	198	3	0.822	7790	59000	4.8	2810	2260	250		4.53					60000	0.30	0.90	2		4.53068				
11	5.864	2.48	2.48	7.4	8.0				8.8						2.805	8100	58000	6.5	2850	2270	250		6.30					73500			1		6.29863				
12	5.623	2.48	2.48	7.4	7.9				8.9						1.361	8620	52000	6.6	2720	2070	250		5.58					49200					5.58397				
13	4.799	2.48	2.48	7.5	7.9				8.9						0.629	8320	48000	6.4	2440	1840	250		4.67					79500					4.67334				
14	3.704	2.48	2.48	7.2	7.8				8.6						0.909	8450	40000	6.6	2560	2010	250		3.78					18500					3.77702				
15	3.338	2.48	2.48	7.4	7.9				8.8		423	3	288	3	0.798	8260	40000	6.3	2640	2020	250		3.48					0	0.30	0.20			3.47869				
16	3.000	2.48	2.48	7.4	7.6				9.0		178	3	292	2	0.770	8750	47000	3.6	2510	1860	250		3.09					79800	0.30	0.20	1	9.79	3.08777				
17	3.549	2.48	2.48	7.3	7.9				9.0		204	3	132	2	0.765	8420	50000	4.0	2600	1970	250		3.52				1.206	73800	0.30	0.78	1		3.51483				
18	4.070	2.48	2.48	7.3	7.7				8.7						0.799	8670	46000	3.3	2420	1840	240		4.12					67800			9		4.11472				
19	3.367	2.48	2.48	7.4	7.7				9.6						0.837	8620	49000	4.5	2570	1960	250		3.43					61500					3.42946				
20	3.681	2.48	2.48	7.2	7.8				8.8						0.765	7970	53000	3.5	2600	2010	250		4.20					63000					4.19686				
21	4.829	2.48	2.48	7.3	7.9				8.9						1.676	7860	50000	4.6	2610	2000	250		4.91					0					4.91007				
22	4.488	2.48	2.48	7.3	7.9				8.7		366	3	201	2	0.599	7750	50000	6.0	2650	2020	250		4.32					0	0.30	0.22		8.29	4.31674				
23	3.601	2.48	2.48	7.3	7.9				8.8		462	3	206	3	0.740	8750	50000	5.0	2660	2090	250		3.53				1.6	73800	0.30	0.28	1		3.53309				
24	3.087	2.48	2.48	7.5	7.8				8.7		380	3	185	2	0.713	8680	49000	3.3	2610	1980	250		3.18					0	0.30	0.20	1		3.18045				
25	2.912	2.48	2.48	7.4	7.8				8.6						0.756	8340	49000	2.6	2490	1910	250		2.94					74700			1		2.94847				
26	3.064	2.48	2.48	7.4	7.8				8.9						0.732	8090	48000	2.8	2400	2000	250		3.02					69300					3.01461				
27	3.026	2.48	2.48	7.3	7.7				8.3						0.717	8460	47000	2.3	2460	1980	250		3.06					63000					3.06243				
28	2.863	2.48	2.48	7.1	7.6				8.5						0.805	8250	50000	2.6	2510	2010	250		2.85					0					2.85122				
29	2.679	2.48	2.48	7.3	7.6				8.3						0.719	8430	50000	3.7	2490	1980	250		2.73					0					2.73433				
30	2.680	2.48	2.48	7.4	7.6				8.0						0.716	8270	50000	3.6	2560	2000	250		2.76					37800					2.73				
31	2.710	2.48	2.48	7.3	7.4				9.0						0.718	7870	50000	3.2	2450	1920	280		2.64					75600					2.76				
Tot.	113.35	76.9	76.9												27.807																			115.60			
Avg.	3.657	2.48	2.48	7.4	7.8				8.8		375	3	205	2	0.897	8437.7	49903.2	4.36	2623	2046	250		3.73				1.5888	47480.6	0.30	0.35	1	9.04	3.729				

RESIDENTIAL  
 COMMERCIAL  
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT  
34824 FLOW  
36804 CBOD  
54384 TSS

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