



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

March 14, 2016

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

**RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for February 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 February 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 2/16

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:	1100 BLUE HERRON RD LOUISVILLE, KY 40245	Facility Location:	1100 BLUE HERRON RD LOUISVILLE, KY 40245
Permitted Feature:	001 External Outfall	Discharge:	001-1 MUNICIPAL DISCHARGE		

Report Dates & Status

Monitoring Period:	From 02/01/16 to 02/29/16	DMR Due Date:	03/28/16	Status:	NetDMR Validated
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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: --

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	01/01 - Daily	GR - GRAB	
					Permit Req.	>=	7 INST MIN									19 - mg/L	01/07 - Weekly	GR - GRAB	
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	7.6					=	8			12 - SU	01/01 - Daily	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	=	135	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	01/07 - Weekly	24 - COMP24	
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample						=	446	=	642	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	01/07 - Weekly	24 - COMP24		
					Value NODI														
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	12	=	14	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	01/07 - Weekly	24 - COMP24		
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	31	=	53	26 - lb/d		=	1	=	1	19 - mg/L	03/07 - Three Per Week	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	01/07 - Weekly	24 - COMP24	
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=	13.5	=	15.2	26 - lb/d		=	0.4	=	0.5	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	01/07 - Weekly	24 - COMP24	
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	3.72	=	4.865	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	=	3.8	=	4.91	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						=	4	=	7	13 - #/100mL	03/07 - Three Per Week	GR - GRAB		
					Permit Req.							<=	130 30DA GEO	<=	240 7 DA GEO	13 - #/100mL	01/07 - Weekly	GR - GRAB	
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	77	=	95	26 - lb/d		=	2	=	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	01/07 - Weekly	24 - COMP24	
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample						=	190	=	270	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.								Req Mon MO AVG		Req Mon MX WK AV	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 - %	03/07 - Three Per Week	CA - CALCTD		
					Permit Req.								>=	85 MO AV MN		23 - %	01/30 - Monthly	CA - CALCTD	
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	99			23 - %	03/07 - Three Per Week	CA - CALCTD		
					Permit Req.								>=	85 MO AV MN		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

No errors.

Comments

Attachments

Name	Type	Size
201602_FloydsFork_MOR.pdf	pdf	951174
201602_FloydsFork_coverletter.pdf	pdf	372672

Report Last Saved By

FLOYDS FORK WQTC MSD

User:	staci.huber@louisvillemsd.org	Date/Time:	2016-03-16 12:38 (Time Zone: -04:00)
Name:	Staci Huber		
E-Mail:	staci.huber@louisvillemsd.org		

NAME OF TREATMENT PLANT FLOYDS FORK
 KPDES PERMIT NUMBER KY0102784

COUNTY JEFFERSON
 PLANT CAPACITY 3.5 MGD

MONTH OF: February 2016
 RECEIVING STREAM FLOYDS FORK

DATE	TOTAL FLOW (MILLION GALLONS)	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						
		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	MAST #	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	SETTLED SLUDGE VOLUME		RAW		HAULED		WITHDRAWN GALLONS X 1000	PHOSPHORUS TOTAL (mg/L)	NH3-N (mg/L)	ECOLI	Total Nitrogen	TOTAL FLOW (MILLION GALLONS)	
																									30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS							% VOLATILE SOLIDS
1	2.73	2.48	2.48	7.1	7.8					10		580	3	274	2	0.87	8190	51000			2.2	2560	2050	240		2.83					31500	0.32	1.50				
2	2.83	2.48	2.48	7.2	7.9					10		556	3	276	3	1.13	8130	50000			2.5	2420	2000	210		2.78					107100	0.30	0.74	8	14.04		
3	6.80	2.48	2.48	7.3	7.9					9		302	4	39	3	2.44	8310	47000			5.1	2380	1860	200		7.62					71300	0.49	1.90	11			
4	4.68	2.48	2.48	7.6	8.0					10						1.32	7900	56000			6.0	2740	2220	220		4.35					71700			2			
5	3.53	2.48	2.48	7.5	8.0					10						0.90	8000	54000			5.8	2640	2160	240		3.57					63000						
6	3.21	2.48	2.48	7.5	8.0					10						1.00	7190	50000			5.6	2450	1880	240		3.36					37800						
7	3.18	2.48	2.48	7.6	8.0					10						0.88	8180	50000			4.0	2380	2020	220		3.27					0						
8	3.23	2.48	2.48	7.5	7.8					10		196	3	136	2	0.93	8350	46000			3.3	2300	1950	220		3.23					80700	0.49	1.90				
9	3.15	2.48	2.48	7.4	7.7					10		172	3	107	2	0.90	8170	48000			3.1	2400	1970	220		3.19					31200	0.30	0.98	5	12.93		
10	2.90	2.48	2.48	7.4	7.6					10		370	3	192	2	0.91	8260	48000			3.8	2420	1870	240		2.94		1.678			0	0.49	0.50	10			
11	2.71	2.48	2.48	7.3	7.8					10						0.92	8280	45000			4.0	2290	1820	240		2.85					151200			7			
12	2.73	2.48	2.48	7.2	7.6					10						0.99	8240	45000			4.1	2370	1930	240		2.75					49500						
13	2.67	2.48	2.48	7.5	7.9					11						0.89	7120	52000			4.7	2270	1810	240		2.80					18900						
14	2.72	2.48	2.48	7.6	7.8					10						0.95	7150	57000			4.1	2510	1980	240		2.72					0						
15	2.83	2.48	2.48	7.4	7.7					10		262	3	143	2	0.90	8920	43000			4.3	2340	2060	240		2.80					62400	0.36	1.20				
16	3.39	2.48	2.48	7.5	7.9					9		828	3	329	3	0.94	8270	47000			3.5	2380	1960	220		3.41					110700	0.66	1.30	11	13.31		
17	3.28	2.48	2.48	7.3	8.0					10		836	3	339	3	0.88	8550	40000			3.4	2110	1940	220		3.32		1.51			135000	0.55	0.66	5			
18	3.10	2.48	2.48	7.4	7.9					10						0.93	8200	46000			3.2	2290	1870	220		3.16					97800			1			
19	3.04	2.48	2.48	7.3	7.8					10						0.90	7900	48000			3.5	2350	1880	220		3.09					80100						
20	2.97	2.48	2.48	7.4	7.8					10						0.98	7520	40000			3.3	2120	1810	210		3.05					0						
21	4.86	2.48	2.48	7.5	7.9					10						1.99	7470	40000			3.0	2140	1820	210		5.41					0						
22	4.45	2.48	2.48	7.4	8.0					10		430	3	173	2	2.54	7500	48000			3.7	2190	1830	210		4.55					129000	0.30	0.32		6.22		
23	3.64	2.48	2.48	7.4	8.0					10		450	3	193	2	2.18	7030	53000			5.0	2280	1890	240		3.71		1.46			79500	0.37	0.20	1			
24	8.09	2.48	2.48	7.4	8.0					10		366	3	81	2	5.16	7250	50000			4.7	2210	1820	240		8.70					49500	0.34	0.28	1			
25	6.26	2.48	2.48	7.6	7.8					10						5.26	8160	43000			6.0	2140	1850	220		5.81					36000			1			
26	4.09	2.48	2.48	7.4	8.0					10						5.38	7920	46000			3.9	2210	1840	220		4.24					91500						
27	3.65	2.48	2.48	7.6	7.8					9						4.35	7590	50000			5.6	2190	1800	220		3.81					0						
28	3.88	2.48	2.48	7.5	7.7					8						5.33	8290	50000			4.2	2050	1750	220		3.56					0						
29	3.30	2.48	2.48	7.5	7.6					9						5.37	8300	40000			3.9	2050	1650	200		3.32					79500						
30																																					
31																																					
Tot.	#####	71.92	71.92													58.08										110.2						1664900					
Avg.	3.720	2.48	2.48	7.4	7.9					9.8		446	3	190	2	2.003	7943	47689.7			4.121	2317	1907	224.8		3.8		1.48		57410.3448	0.41	0.96	4	11.63			

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
 FLOW 35427 CBOD 34704 TSS 65839

OPERATOR Randolph P. Kustes Jr.

CERT. NO. 14555

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

SEWERED POPULATION

502-540-6000

PLANT TELEPHONE