



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

March 19, 2019

Crystal Dennis
300 Sower Blvd., 3rd Floor
Frankfort, Kentucky 40601

**RE: Floyds Fork WQTC, KPDES No: KY0102784
 Discharge Monitoring Report for February 2019.**

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Floyds Fork WQTC, for the month of February 2019.

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 02/19.

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 02/01/19 to 02/28/19	DMR Due Date:	03/28/19
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	=	10				=	19	- mg/L			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	=	7.7				=	7.9	12 - SU			01/07 - Weekly	GR - GRAB		
					Permit Req.	>=	6 MINIMUM								12 - SU	0	01/07 - Weekly	GR - GRAB	
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	136	=	207	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	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample						=	207	=	238	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.												0	01/07 - Weekly	24 - COMP24
					Value NODI														
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	7	=	12	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.												0	01/07 - Weekly	24 - COMP24
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	19	=	30	26 - lb/d	=	0.4	=	0.7	19 - mg/L	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	=	13.6	=	20.7	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	<=	.5 MO AVG	<=	.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	=	6.08	=	8.69	03 - MGD							99/99 - Continuous	CN - CONTIN	
					Permit Req.												0	99/99 - Continuous	RE - Record (manual)
					Value NODI														
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	5.316	=	7.95	03 - MGD							99/99 - Continuous	CN - CONTIN	
					Permit Req.												0	99/99 - Continuous	RE - Record (manual)
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	1	=	2	13 - #/100mL	01/07 - Weekly	GR - GRAB		
					Permit Req.												0	01/07 - Weekly	GR - GRAB
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	126	=	202	26 - lb/d	=	3	=	7	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	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample						=	185	=	274	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.												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 - %	01/30 - Monthly	CA - CALCTD		
					Permit Req.												0	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.												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_MOR_0219.pdf	pdf	80024
FF_Coverletter_0219.pdf	pdf	43339

Report Last Saved By

Floyds Fork WQTC MSD

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemmsd.org
Date/Time: 2019-03-20 07:44 (Time Zone: -04:00)

Report Last Signed By

User: staci.huber@louisvillemmsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemmsd.org
Date/Time: 2019-03-20 07:58 (Time Zone: -04:00)

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: February 2019
 KPDES PERMIT NUMBER KY0102784 PLANT CAPACITY 3.5 MGD 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	RETURN	MLSS x1000	WAST EP	GAL/DAY x 1000	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	30 MIN	60 MIN	GALLONS x 1000	RAW		HAULED		WTHDRAWN GALLONS x 1000	PHOSPHORUS TOTAL (mg/L)	NH3-N (mg/L)	ECOLI	
																												% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS					SETTLED SLUDGE VOLUME
1	3.469	2.48	2.48	6.9													0.67	6820	54000	3.9	2440	1910	260		2.77							47900				2.76572
2	3.412	2.48	2.48														0.67	40000	40000	3.4			260		2.79						0				2.78461	
3	3.460	2.48	2.48														0.85	40000	3.6				280		2.85					0	0.30	0.30			2.85071	
4	3.696	2.48	2.48	7.0													0.82	5760	62000	3.6	2190	1880	250		2.85		1.5			52800			2	12.1	2.8505	
5	3.871	2.48	2.48	7.2	7.9					9.9							0.78	8080	47000	3.1	2340	1930	250		3.08					51500					3.07586	
6	4.924	2.48	2.48	7.2													1.64	8390	44000	3.9	2270	1960	290		4.59				52800					4.58983		
7	8.605	2.48	2.48	7.4													2.43	7590	54000	5.9	2490	2080	260		8.18				73000					8.18337		
8	8.738	2.48	2.48	7.1													2.37	8820	49000	8.4	2670	2250	260		7.97				31500					7.96511		
9	5.890	2.48	2.48														2.32	50000	6.9				280		5.08									5.07954		
10	5.471	2.48	2.48								170		3	156		2	2.38	50000	6.4				270		4.55					0.30	0.65			4.54912		
11	10.888	2.48	2.48	7.3													2.73	8920	45000	5.3	2460	2060	250		10.26		1.52			69300			1	6.55	10.26439	
12	14.738	2.48	2.48	6.9	7.7					9.9							2.67	8030	43000	6.5	2050	1820	200		14.57				63000						14.56468	
13	8.516	2.48	2.48	7.0													2.77	10050	45000	6.7	2400	2050	250		7.66				84300						7.65803	
14	6.592	2.48	2.48	7.1													2.45	8540	50000	6.6	2660	2240	280		5.57				51500						5.57199	
15	5.086	2.48	2.48	7.0													2.46	6620	50000	5.5	2590	2100	300		4.32				33900						4.32421	
16	4.594	2.48	2.48														2.51	50000	4.1				300		3.91				0						3.90712	
17	4.475	2.48	2.48								184		3	212		2	2.45	50000	4.3				310		3.63				0	0.30	0.63				3.62809	
18	4.319	2.48	2.48	6.8													2.27	5840	75000	2.7	2680	2130	300		3.36		1.71		57800				1	2.21	3.36362	
19	3.933	2.48	2.48	7.5	7.7					9.9							1.92	5690	75000	6.0	2600	2150	310		3.14				40200						3.13557	
20	8.801	2.48	2.48	7.2													3.42	8490	50000	6.2	2600	2090	300		8.35				52800						8.34704	
21	7.057	2.48	2.48	7.4													2.51	7650	54000	6.8	2510	2050	300		6.35				40800						6.34889	
22	5.372	2.48	2.48	7.2													2.48	7150	62000	6.5	2710	2160	300		4.55				37800						4.55055	
23	6.005	2.48	2.48														2.41	50000	5.6				300		4.95				0						4.95043	
24	8.279	2.48	2.48								237		3	96		2	2.34	50000	5.2				270		7.40				0	0.30	0.20				7.3956	
25	5.893	2.48	2.48	7.2													2.42	7280	58000	5.9	2590	2070	290		4.92		1.42		78000				1	6.93	4.92138	
26	5.408	2.48	2.48	7.3	7.7					9.8							0.76	7400	57000	5.9	2560	2000	290		4.03				73000						4.07198	
27	4.399	2.48	2.48	7.2													0.84	8280	41000	5.3	2100	1690	250		3.69				47800						3.68794	
28	4.329	2.48	2.48	7.3													0.79	8060	49000	3.4	2440	2070	300		3.46				69300						3.46018	
29																																				
30																																				
31																																				
Tot.	170.22	66.96	69.44														55.13																			
Avg.	6.079	2.48	2.48	7.2	7.8					9.9	207		3	185		3	1.969	7673	51571.4	5.207	2467	2035	277.1		5.314		1.538		42650	0.30	0.45	1	6.948		5.316	

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
 57898 FLOW
 55026 CBOD
 50037 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