



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

November 25, 2019

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

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

Dear Ms. Dennis:

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 October 2019.

There were no bypasses, or exceedances.

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

Sincerely,

William Ford
Process Supervisor-Operations

WEF/ Floyds Fork 10/19.

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 10/01/19 to 10/31/19	DMR Due Date:	11/28/19
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	=	8									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	=	7.5					=	8.3			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	=	81	=	91	26 - lb/d		=	3	=	3	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							=	462	=	547	19 - mg/L	0	01/07 - Weekly	CP - COMPOS				
					Permit Req.																		
					Value NODI																		
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample							=	13	=	15	19 - mg/L	0	01/07 - Weekly	CP - COMPOS				
					Permit Req.																		
					Value NODI																		
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	7	=	10	26 - lb/d		=	0.2	=	0.4	19 - mg/L	0	01/07 - Weekly	24 - COMP24				
					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	=	8.1	=	9.1	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		<=	.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	=	3.62	=	3.622	03 - MGD							0	99/99 - Continuous	CN - CONTIN				
					Permit Req.																		
					Value NODI																		
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	2.991	=	3.073	03 - MGD							0	99/99 - Continuous	CN - CONTIN				
					Permit Req.																		
					Value NODI																		
51040	E. coli	1 - Effluent Gross	0	--	Sample							=	1	=	1	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	=	87	=	159	26 - lb/d		=	3	=	6	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							=	226	=	328	19 - mg/L	0	01/07 - Weekly	CP - COMPOS				
					Permit Req.																		
					Value NODI																		
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample							=	99			23 - %	0	01/30 - Monthly	CA - CALCTD				
					Permit Req.																		
					Value NODI																		
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample							=	99			23 - %	0	01/30 - Monthly	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
FFMOR102019.pdf	pdf	98498
FFCoverletterOct2019.pdf	pdf	81021

Report Last Saved By

Floyds Fork WQTC MSD

User: WILLIAM.FORD@LOUISVILLEMSD.ORG
Name: William Ford
E-Mail: william.ford@louisvillemsd.org
Date/Time: 2019-11-25 09:04 (Time Zone: -05:00)

Report Last Signed By

User: WILLIAM.FORD@LOUISVILLEMSD.ORG
Name: William Ford
E-Mail: william.ford@louisvillemsd.org
Date/Time: 2019-11-25 09:18 (Time Zone: -05:00)

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: October 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			Total Nitrogen	TOTAL FLOW (MILLION GALLONS)		
		GRT 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	WASTE P	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	WITHDRAWN GALLONS X 1000
1	3.042	2.48	2.48	7.1							547		3	328		2	0.96	6770	63000	2.3	2600	2080	310		2.27				1.4		75600	0.30	0.38			14.3	2.2681
2	3.030	2.48	2.48	7.3													0.98	7290	52000	3.8	2310	1900	300		2.25						75600				1		2.24872
3	3.107	2.48	2.48	7.2	7.8				10.2								0.94	7520	50000	4.5	2280	1800	300		2.29						75600						2.29166
4	2.971	2.48	2.48	7.2													0.96	5810	66000	3.1	2530	2040	300		2.19						69300						2.19238
5	2.940	2.48	2.48														1.00		50000	4.2			300		2.19					0						2.18557	
6	3.645	2.48	2.48														1.01		50000	3.8			300		2.76					0						2.75777	
7	4.790	2.48	2.48	7.2													1.25	8590	43000	2.8	2250	1840	290		3.98					69300						3.980553	
8	3.622	2.48	2.48	7.1							404		3	170		2	1.24	7870	52000	4.5	2480	1990	340		3.00			1.6		75600	0.30	0.20		9.6		3.00142	
9	3.346	2.48	2.48	7.3													1.20	7200	51000	5.1	2260	1870	320		2.67					37600						2.66482	
10	3.233	2.48	2.48	7.2	8.3				9.3								1.20	7230	52000	4.0	2320	1930	310		2.57					75600						2.56896	
11	3.236	2.48	2.48	7.1													1.19	7500	50000	3.1	2280	1870	300		2.54					75600						2.53479	
12	3.331	2.48	2.48														0.76		50000	5.0			310		2.80				0						2.79975		
13	3.274	2.48	2.48														1.03		50000	5.4			310		2.75				0						2.74924		
14	3.175	2.48	2.48	7.3													1.22	6950	53000	4.6	2270	1840	300		2.61					37800						2.61189	
15	3.180	2.48	2.48	7.4							472		3	221		6	1.18	5900	64000	3.7	2320	1930	310		2.51			1.74		63000	0.30	0.20		14.5		2.51188	
16	4.190	2.48	2.48	7.3													1.08	8200	46000	2.4	2320	1860	310		3.42					56700						3.41913	
17	3.452	2.48	2.48	7.6	7.8				8.3								0.81	8340	48000	4.8	2460	2020	300		2.84					44100						2.84253	
18	3.202	2.48	2.48	7.4													0.95	6180	61000	5.4	2310	1860	300		2.63					69300						2.6305	
19	3.197	2.48	2.48														0.96		50000	4.2			300		2.58				0						2.58068		
20	3.253	2.48	2.48														0.99		50000	4.8			300		2.70				0						2.69582		
21	3.323	2.48	2.48	6.9													1.34	4920	30000	3.8	2340	1870	300		2.53					69300						2.52465	
22	3.028	2.48	2.48	7.3							423		3	184		3	0.96	6070	50000	4.2	2740	2260	350		2.51			1.35		69300	0.30	0.20		13		2.50658	
23	2.945	2.48	2.48	7.3													0.79	7540	52000	3.9	2390	2010	350		2.43					75600						2.43008	
24	2.919	2.48	2.48	7.2	7.5				9.2								1.07	7590	53000	4.5	2440	2020	340		2.42					75600						2.42099	
25	2.950	2.48	2.48	7.3													0.95	6140	50000	4.3	2450	1980	340		2.32					56700						2.32209	
26	4.557	2.48	2.48														1.22		50000	3.0			350		3.83				0						3.8274		
27	4.476	2.48	2.48														1.34		50000	4.7			300		4.00				0						4.00096		
28	4.476	2.48	2.48	7.2													0.95	7700	52000	4.9	2390	1900	340		3.03					75600						4.001	
29	3.448	2.48	2.48	7.2													1.10	7250	55000	5.8	2460	1970	330		2.91					69300						2.91159	
30	4.541	2.48	2.48	7.3													1.73	7780	49000	3.9	2330	1860	300		4.53					69300						4.53231	
31	8.239	2.48	2.48	7.4													0.65	8310	48000	4.9	2450	1960	300		7.70					69300						7.70057	
Tot.	76.88	76.88															33													2E+06							92.71
Avg.	3.617	2.48	2.48	7.3	7.9				9.3		462		3	226		3	1.064	7159	51290	4.237	2390	1942	313.2		2.86			1.523		49377	0.30	0.25	1	12.85		2.991	

RESIDENTIAL FLOW 34445 INDUSTRIAL WASTE POPULATION EQUIVALENT CBOD 40056 TSS 68288 OPERATOR Randolph P. Kustas Jr. CERT. NO. 14555

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

502-540-6000 PLANT TELEPHONE