



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

October 22, 2020

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

**RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for September 2020.**

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 September 2020.

There were no bypasses, discharges, or exceedances.

Also attached is the third quarter biomonitoring DMR.

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 09/20.

Cc: V. Teague
R. Shaw

81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=	99.0							23 - %	01/30 - Monthly	CA - CALCTD
					Permit Req.	>=	85.0 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
FFCoverletter092020.pdf	pdf	30044.0
FFMOR092020.XLS	xls	339456.0

Report Last Saved By

Floyds Fork WQTC MSD

User: WILLIAM.FORD@LOUISVILLEMSD.ORG
 Name: William Ford
 E-Mail: william.ford@louisvillemmsd.org
 Date/Time: 2020-10-23 08:30 (Time Zone: -04:00)

Report Last Signed By

User: WILLIAM.FORD@LOUISVILLEMSD.ORG
 Name: William Ford
 E-Mail: william.ford@louisvillemmsd.org
 Date/Time: 2020-10-23 08:30 (Time Zone: -04:00)

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: September 2020
 KPDES PERMIT NUMBER KY0102784 PLANT CAPACITY 3.5 MGD RECEIVING STREAM FLOYDS FORK

DATE	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 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	RETURN			WASTED	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	2.834	2.48	2.48	7.4							238		3	162		2	0.87	12790	40000	2.9	2640	2030	330		3.07				1.69	0	0.30	0.57		8.01	3.0723028		
2	3.760	2.48	2.48	7.4													0.83	8440	50000	3.2	2880	2300	380		3.97					63000			1	3.9682882			
3	9.278	2.48	2.48	7.1	8.8				10.1								1.81	12230	50000	3.8	2740	2100	300		10.66				6300					10.663132			
4	5.778	2.48	2.48	7.1													1.51	8810	50000	4.0	2560	1980	300		2.54				63000					5.4854541			
5	3.667	2.48	2.48														1.49		50000	4.8			300		3.90				0					3.8987589			
6	3.296	2.48	2.48														1.36		50000	4.4			300		3.49				0					3.4876745			
7	3.111	2.48	2.48														1.46		50000	3.0			400		3.32				0					3.3234527			
8	3.132	2.48	2.48	7.4							150		3	144		3	1.60	6190	60000	2.6	3110	2410	400		3.21			1.71	63000	0.30	0.31		9.45	3.2107837			
9	2.867	2.48	2.48	7.4													1.58	5730	50000	3.1	3380	2610	400		2.97				63000			1	2.9645288				
10	2.801	2.48	2.48	7.2	7.8				10.4								1.52	6300	50000	3.0	2920	2320	400		2.94				63000					2.9416213			
11	2.713	2.48	2.48	7.3													1.31	5650	60000	3.2	3550	2860	400		2.80				31500					2.7958217			
12	2.702	2.48	2.48														1.30		60000	3.1			400		2.85				0					2.8488941			
13	3.078	2.48	2.48														0.66		50000	3.0			380		2.88				0					2.8796093			
14	3.130	2.48	2.48	7.2													0.87	9980	40000	3.7	2480	1960	300		2.86				63000					2.8547964			
15	2.538	2.48	2.48	7.1							226		3	204		3	0.85	5790	40000	3.2	2870	2240	390		2.66			1.72	63000	0.30	1.20		9.94	2.6567376			
16	2.538	2.48	2.48	7.4													0.79	6750	50000	2.5	2850	2200	390		2.68				0			89	2.538				
17	2.561	2.48	2.48	7.3	7.6				10.0								0.65	6360	50000	2.4	2980	2330	340		2.05				63000					2.047			
18	2.561	2.48	2.48	7.2													0.74	9260	50000	2.5	2940	2280	340		2.01				63000					2.01			
19	2.527	2.48	2.48														0.84		50000	2.6			350		2.24				0					2.243			
20	2.487	2.48	2.48														0.79		50000	2.9			350		2.29				0					2.291343			
21	2.502	2.48	2.48	7.1													1.11	5510	50000	3.0	2940	2300	350		2.22				69300					2.221993			
22	2.455	2.48	2.48	7.0							194		3	171		3	0.85	5820	50000	3.4	3060	2300	420		2.16			0	0.30	0.32		3.03	2.1632698				
23	2.504	2.48	2.48	7.5													0.93	5670	40000	2.6	2740	2150	380		2.14			1.61	63000			2		2.1357932			
24	2.460	2.48	2.48	7.3	7.6				9.7								0.85	5800	40000	3.0	3000	2370	400		2.15				0					2.1562085			
25	2.504	2.48	2.48	7.2													0.86	5600	50000	2.8	2940	2370	450		2.13				88200					2.1310942			
26	2.562	2.48	2.48														0.83		50000	3.0			420		2.19				0					2.1895831			
27	2.604	2.48	2.48														0.83		40000	3.0			400		2.24				0					2.2405195			
28	2.851	2.48	2.48	7.1													0.79	6420	50000	3.1	2930	2350	400		2.29				75600					2.2927933			
29	2.718	2.48	2.48	7.1													0.89	7220	50000	3.1	2660	2140	340		2.34				63000					2.3426518			
30	2.622	2.48	2.48	7.1													0.70	6770	50000	2.8	2720	2110	400		2.24				63000					2.2435355			
31																																					
Tot.	93.14	74.4	74.4														31.47																			90.30	
Avg.	3.105	2.48	2.48	7.2	7.9				10.0		202		3	170		3	1.049	7290	49000	3.123	2900	2272	370.3		2.916			1.683	34230	0.30	0.60	4	7.608	3.010			

RESIDENTIAL FLOW 29569 INDUSTRIAL WASTE POPULATION EQUIVALENT 25931 COMMERCIAL CBOD 24907 TSS 24907 OPERATOR Randolph P. Kustes Jr. CERT. NO. 14555 INDUSTRIAL

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

502-540-6000 PLANT TELEPHONE