



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

August 13, 2024

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

**RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for July 2024.**

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Floyds Fork Water Quality Treatment Center for the month of July 2024.

There were no bypasses, discharges.

There was a monthly exceedance for Phosphorus. Monthly limit 0.5, sample results 0.536. The exceedance occurred because there was a mechanical issue with the sodium aluminate pump, this has been repaired.

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

Sincerely,

Staci Huber
Process Supervisor-Operations

SH/ Floyds Fork 07/24

Cc: V. Teague
B. Tinnel

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: July 2024
 KPDES PERMIT NUMBER KY0102784 PLANT CAPACITY 3.5 MGD RECEIVING STREAM FLOYDS FORK

DATE	TOTAL FLOW (MILLION GALLONS)	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 Nitrogen	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		WAST	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					
																		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	GALLONS X 1000			% DRY SOLIDS	% VOLATILE SOLIDS				% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000		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	3.075																1.65	4650	100000			3.5	3210	2680	510							75600								2.6461914
2	3.028				8.0												1.54	4650	100000			6.1	3420	2820	460							75600	0.52	0.25	1	10.9	2.537545			
3	3.133																1.51	5370	100000			5.4	3470	2830	490						75600								2.5676947	
4	4.576																1.6	100000				4.4			400						75600								3.7402225	
5	4.365																1.73	8470	80000			5.1	2980	2440	360						0								3.6167283	
6	3.582																2.02	80500				5.3			370						0								3.0497124	
7	3.403																2.08	80100				5.2			400						0								2.8798704	
8	3.307																2.139	5600	80000			2.3	3410	2760	390					75600								2.768645		
9	3.316				7.9												1.63	4230	80000			5.6	2970	2550	390					75600	0.70	0.80	4	11.1	2.6671078					
10	4.470								10.5								1.09	7370	80000			4.8	2960	2490	370					75600								3.8060365		
11	3.633																1.28	6240	80000			5.1	3410	2870	400					75600								3.0834072		
12	3.405																1.25	5610	80000			5.6	2700	2280	370					75600								2.884481		
13	3.360																1.23	80000				4.3			350					0								2.8567677		
14	3.452																1.23	80000				4.1			400					0								3.0265996		
15	3.330																1.4	5490	60000			2.4	3460	2820	380					0								2.8380718		
16	3.262				8.1												1.46	5550	60000			3.4	3200	2580	370					37800	0.58	0.20	1	10.9	2.743058					
17	4.789								9.9								1.53	7340	60000			2.3	3580	3030	370					31500								4.044836		
18	3.691																1.42	6830	80000			2.4	3500	2800	410					75600								3.2165		
19	3.288																1.41	5640	80000			5.4	3390	2670	400					75600								2.849925		
20	3.137																1.38	80000				3.3			400					0								2.7595651		
21	3.237																1.38	60000				3.2			380					0								2.8045447		
22	3.838																1.4	5900	80000			2.8	3260	2620	420					75600								3.2202547		
23	4.716				8.1												2	7660	80000			2.3	3330	2630	400					75600	0.54	5.50	50	11.3	4.1214809					
24	3.721																2	4700	80000			7.5	3460	2700	350					75600								3.2420681		
25	3.550																1.53	5730	80000			7.3	3550	2740	400					75600	0.57	0.59						3.0416317		
26	3.317																1.42	5570	80000			5.8	3540	2890	410					75600	0.62	0.20						2.8479872		
27	3.201																1.82	80000				6.2			330					0	0.56	0.20						2.7239137		
28	3.652																0.8	80000				5.4			400					0	0.45	0.20						2.9927788		
29	3.826																1.25	7440	80000			5.7	2980	2480	420					75600								3.1379843		
30	3.735																1.35	6090	80000			5.7	3240	2510	440					75600								3.1528008		
31	3.883																1.41	5480	80000			6.2	3090	2430	410					75600	0.29							3.78268		
Tot.	112.28																46.94													1505700									95.66	
Avg.	3.622				8.0				10.4								1.514	5982	80019.355			4.648	3278	2665	398.4					48571	0.54	0.99	4	11.05				3.086		

RESIDENTIAL FLOW 34494 INDUSTRIAL WASTE POPULATION EQUIVALENT 29673 COMMERCIAL FLOW 41714 OPERATOR Mike Stephenson CERT. NO. 9616 INDUSTRIAL FLOW 34494 CBOD 29673 TSS 41714 PLANT TELEPHONE (502) 540-6000

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

					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample = 102.0	= 126.0	26 - lb/d		= 4.0	= 5.0	19 - mg/L	0	01/07 - Weekly	CP - COMPOS					
					Permit Req. <= 325.0 MO AVG	<= 488.0 MX WK AV	26 - lb/d		<= 6.0 MO AVG	<= 9.0 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 = 167.0	= 210.0			Req Mon MO AVG	Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly	CP - COMPOS					
					Permit Req.						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 = 98.0						23 - %	0	01/30 - Monthly	CA - CALCTD					
					Permit Req. >= 85.0 MO AV MN						23 - %		01/30 - Monthly	CA - CALCTD					
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample = 99.0						23 - %	0	01/30 - Monthly	CA - CALCTD					
					Permit Req. >= 85.0 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
FFMOR.pdf	pdf	143942.0
FFCoverletter.pdf	pdf	40714.0

Report Last Saved By

Floyds Fork WQTC MSD

User: staci.huber@louisvillemmsd.org
 Name: Staci Huber
 E-Mail: staci.huber@louisvillemmsd.org
 Date/Time: 2024-08-21 14:11 (Time Zone: -04:00)

Report Last Signed By

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 Name: Staci Huber
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