



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

March 16, 2021

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

**RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for February 2021.**

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 2021.

During the month of February we exceeded our effluent weekly permit limit for Phosphorus, this was due to inclement weather during the month of February caused a delay in chemical delivery used for Phosphorus removal. Plant staff was unable to feed the required dose of chemical.

There were no overflows or bypasses.

If you have any questions concerning the attached DMR's, please contact me at (502)587-5858.

Sincerely,

Joseph Shaun Smith
Process Supervisor

JSS/ Floyds Fork 02/21.

Cc: V. Teague
R. Shaw

81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample	96.0	23 - %	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

Parameter		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
00665	Phosphorus, total [as P]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes

Comments

Attachments

Name	Type	Size
FFMOR022021.XLS	xls	340480.0
FloydsForkCoverLetter0221.pdf	pdf	36412.0

Report Last Saved By

Floyds Fork WQTC MSD

User: kevin.thompson@louisvillemmsd.org
 Name: Kevin Thompson
 E-Mail: kevin.thompson@louisvillemmsd.org
 Date/Time: 2021-03-18 10:37 (Time Zone: -04:00)

Report Last Signed By

User: JOSEPH.SMITH@LOUISVILLEMSD.ORG
 Name: Joseph Smith
 E-Mail: joseph.smith@louisvillemmsd.org
 Date/Time: 2021-03-18 11:08 (Time Zone: -04:00)

NAME OF TREATMENT PLANT FLOYDS FORK
 KPDES PERMIT NUMBER KY0102784

COUNTY JEFFERSON
 PLANT CAPACITY 3.5 MGD

MONTH OF: February 2021
 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)								
		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 X 1000	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	6.001											113		3	67		3	2	7760	45000	4.3	2870	2440	400									0.30	0.20												
2	4.650			7.7	8.2				10.9								2	7670	50000	4.8	3170	2650	450															1				6.8	4.7608294	3.98		
3	4.105																3.55	7040	45000	3.9	3160	2670	500																							3.6
4	4.150																3.59	6390	45000	2.8	3220	2720	500																					3.4252329		
5	4.834																3.42	7870	50000	3.7	3370	2890	450																					4.1051059		
6	4.149																3.47		45000	3.2			450																				3.5801449			
7	3.772																3.32		50000	2.5			480																				3.3404932			
8	4.036											202		4	201		2	2.44	6400	60000	4.6	3370	2810	520											0.30	0.39			10.6			3.0769806				
9	3.757			7.5	8.3				10.4								1.83	10650	28000	3.8	2540	2150	550															2					2.9010789			
10	3.751																1.34	14340	30000	4.1	2590	2230	400																				3.1591024			
11	4.364																3.18	9600	30000	4.7	2570	2180	400																					4.1114931		
12	4.231																4.18	5860	55000	5.9	2900	2490	500																					3.5830355		
13	4.179																4.14		40000	6.3			500																					3.4871335		
14	3.879																4.18		40000	6.6			500																					3.2575145		
15	3.655																4.17	5590	50000	5.8	3290	2740	550																					3.0643864		
16	3.446											120		6	112		5	4.16	5190	70000	6.3	3090	2580	600												0.31	0.30			12.5			2.9247432			
17	3.432			7.4	8.3				10.8								4.17	4860	80000	6.4	3150	2620	620															1					2.8596029			
18	3.415																4.13	5730	80000	6.1	3330	2720	640																					2.8200972		
19	3.289																4.03	5190	60000	5.8	3370	2820	650																					2.8175218		
20	3.357																3.95		40000	5.2			700																					2.8915982		
21	3.550																3.97		40000	4.9			700																					2.9417152		
22	5.741											226		15	91		4	3.67	7360	50000	4.3	3410	2810	650													0.78	0.22			10.3			4.7195711		
23	5.729			7.5	8.3				10.2								3.7	9840	35000	6.4	2990	2510	600																	3					4.7304029	
24	5.035																3.5	8790	30000	6.1	3050	2570	590																						4.1459231	
25	4.273																3.84	7900	55000	4.8	3470	2910	610																						3.6642485	
26	3.995																3.91	6950	65000	4.4	3600	3020	650																						3.3279548	
27	4.035																4.08		50000	5.2			650																						3.3093457	
28	12.803																6.6		50000	5.5			600																						11.732912	
29																																														
30																																														
31																																														
Tot.	125.61																100.5																													106.32
Avg.	4.486			7.5	8.3				10.6			165		7	118		4	3.59	7549	48857.14	4.943	3126	2627	550.4																	2	10.05			3.797	

RESIDENTIAL 42726 FLOW
 COMMERCIAL 25915 CBOD
 INDUSTRIAL 29442 TSS

INDUSTRIAL WASTE POPULATION EQUIVALENT

Michael Stephenson OPERATOR
 36033 CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502 540 6170 PLANT TELEPHONE