



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

March 25, 2020

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

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

There were no overflows, 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 02/20.

Cc:   V. Teague  
      R. Shaw

**DMR Copy of Record**

<b>Permit</b>			
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

<b>Report Dates &amp; Status</b>			
Monitoring Period:	From 02/01/20 to 02/29/20	DMR Due Date:	03/28/20
Status:	NetDMR Validated		

**Considerations for Form Completion**

<b>Principal Executive Officer</b>			
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	=	10.0				=	19 - mg/L				0	01/07 - Weekly	GR - GRAB	
					Permit Req.	>=	7.0 INST MIN								19 - mg/L		01/07 - Weekly	GR - GRAB	
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	7.6				=	12 - SU			0	01/07 - Weekly	GR - GRAB		
					Permit Req.	>=	6.0 MINIMUM									12 - SU	01/07 - Weekly	GR - GRAB	
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	95.0	=	107.0	26 - lb/d	=	19 - mg/L			0	01/07 - Weekly	CP - COMPOS		
					Permit Req.	<=	1626.0 MO AVG	<=	2439.0 MX WK AV	26 - lb/d	<=	30.0 MO AVG	<=	45.0 MX WK AV		19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample						=	19 - mg/L			0	01/07 - Weekly	CP - COMPOS		
					Permit Req.												19 - mg/L	01/07 - Weekly	24 - COMP24
					Value NODI														
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	19 - mg/L			0	01/07 - Weekly	CP - COMPOS		
					Permit Req.												19 - mg/L	01/07 - Weekly	24 - COMP24
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	7.0	=	10.0	26 - lb/d	=	19 - mg/L			0	01/07 - Weekly	CP - COMPOS		
					Permit Req.	<=	163.0 MO AVG	<=	244.0 MX WK AV	26 - lb/d	<=	3.0 MO AVG	<=	4.5 MX WK AV		19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=	9.5	=	10.7	26 - lb/d	=	19 - mg/L			0	01/07 - Weekly	CP - COMPOS		
					Permit Req.	<=	27.1 MO AVG	<=	40.7 MX WK AV	26 - lb/d	<=	0.5 MO AVG	<=	0.75 MX WK AV		19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	4.37	=	5.595	03 - MGD					0	99/99 - Continuous	CN - CONTIN		
					Permit Req.												99/99 - Continuous	RE - Record (manual)	
					Value NODI														
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	4.338	=	5.582	03 - MGD					0	99/99 - Continuous	CN - CONTIN		
					Permit Req.												99/99 - Continuous	RE - Record (manual)	
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	13 - #/100mL			0	01/07 - Weekly	GR - GRAB		
					Permit Req.												13 - #/100mL	01/07 - Weekly	GR - GRAB
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	111.0	=	160.0	26 - lb/d	=	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						=	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						=	23 - %			0	01/30 - Monthly	CA - CALCTD		
					Permit Req.												23 - %	01/30 - Monthly	CA - CALCTD
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	23 - %			0	01/30 - Monthly	CA - CALCTD		
					Permit Req.												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
FFCoverletter022020.pdf	pdf	28507.0
FFMOR022020.pdf	pdf	85597.0

**Report Last Saved By**

**Floyds Fork WQTC MSD**

User: WILLIAM.FORD@LOUISVILLEMSD.ORG  
Name: William Ford  
E-Mail: william.ford@louisvillemsd.org  
Date/Time: 2020-03-26 09:39 (Time Zone: -04:00)

**Report Last Signed By**

User: WILLIAM.FORD@LOUISVILLEMSD.ORG  
Name: William Ford  
E-Mail: william.ford@louisvillemsd.org  
Date/Time: 2020-03-26 09:54 (Time Zone: -04:00)

NAME OF TREATMENT PLANT			FLOYDS FORK			COUNTY			JEFFERSON			MONTH OF: February 2020			RECEIVING STREAM			FLOYDS FORK																							
KPDES PERMIT NUMBER			KY0102784			PLANT CAPACITY			3.5 MGD																																
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							
		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	Total Nitrogen	TOTAL FLOW (MILLION GALLONS)					
																								30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000										
1	3.527	2.48	2.48													1.01		40000	6.4			400		3.44																	
2	3.472	2.48	2.48													0.53		40000	4.8			400		3.45																3.4435	
3	3.212	2.48	2.48													1.19	2000	40000	2.1	2000	1650	340		3.11															3.44668		
4	3.130	2.48	2.48													1.13	2570	70000	4.3	2570	2100	440		3.50															3.10763		
5	4.557	2.48	2.48		7.6				10.0							1.98	2510	69000	4.6	2510	2170	440		4.49															3.50022		
6	4.468	2.48	2.48													1.86	2560	56000	5.3	2560	2060	450		4.63															4.49447		
7	3.924	2.48	2.48													1.66	2530	65000	5.8	2530	2050	450		3.89															4.63478		
8	3.831	2.48	2.48													1.66		50000	4.8			440		3.76														3.89075			
9	3.842	2.48	2.48													2.11		50000	3.0			480		3.75														3.76083			
10	4.879	2.48	2.48													2.31	2840	70000	3.5	2840	2300	450		4.66															3.76083		
11	5.665	2.48	2.48													2.16	2500	53000	4.1	2500	2010	410		5.62															3.76083		
12	6.222	2.48	2.48		7.8				10.0							2.20	2490	53000	5.9	2490	2030	420		6.58																4.66352	
13	8.612	2.48	2.48													3.70	2320	50000	6.1	2320	1930	410		8.79															5.61697		
14	6.113	2.48	2.48													2.80	2760	50000	6.2	2760	2230	470		5.90															6.58446		
15	4.661	2.48	2.48													2.68		40000	6.1			450		4.70														8.79375			
16	4.290	2.48	2.48													2.18		40000	6.2			430		4.20														5.90469			
17	3.924	2.48	2.48													1.93	2620	60000	5.7	2620	2210	550		3.81															4.70948		
18	4.270	2.48	2.48													1.93	2870	65000	4.0	2870	2380	500		4.02															4.70948		
19	3.916	2.48	2.48		7.8				10.5							1.67	2520	60000	5.4	2520	2000	500		3.90																4.19924	
20	3.652	2.48	2.48													1.86	2850	50000	3.2	2850	2330	520		3.63															3.8067		
21	3.356	2.48	2.48													1.87	2750	50000	2.0	2750	2270	510		3.38															4.01871		
22	3.438	2.48	2.48													1.91		40000	5.3			500		3.42														3.90396			
23	3.576	2.48	2.48													2.13		40000	3.7			530		3.40														3.63184			
24	3.696	2.48	2.48													1.83	2950	60000	2.3	2950	2400	510		3.59															3.382		
25	5.376	2.48	2.48													1.98	2830	50000	5.2	2830	2340	490		5.27															3.424		
26	4.862	2.48	2.48		7.7				11.1							1.69	2840	60000	6.0	2840	2300	490		4.70															3.403		
27	4.451	2.48	2.48													2.58	2870	62000	5.9	2870	2280	510		4.46															3.588		
28	4.044	2.48	2.48													2.80	2890	69000	5.9	2890	2330	550		3.95															5.272		
29	3.779	2.48	2.48													2.65		40000	5.0			530		3.77															4.701		
30																																							4.458		
31																																							3.949		
Tot.	126.75	71.92	71.92													58.17																							3.765		
Avg.	4.371	2.48	2.48		7.7				10.4							2.006	2654	53172	4.786	2654	2169	467.9		4.3367														125.80			
						RESIDENTIAL						INDUSTRIAL WASTE POPULATION EQUIVALENT																													
						COMMERCIAL						41624		33877		35886																									
						INDUSTRIAL						FLOW		CBOD		TSS																									
TOTAL NUMBER OF SEWER CONNECTIONS								0												Jesse E. Howard								100172													
SEWER CONNECTIONS				0 X 4 = 0				SEWERED POPULATION												OPERATOR				CERT. NO.																	
																				502-540-6000																					
																								PLANT TELEPHONE																	