



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

September 24, 2024

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

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

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 August 2024.

There were no exceedances, overflows or bypasses.

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

Sincerely,

Staci Huber  
Process Supervisor

SH/ Floyds Fork 08/24.

Cc: V. Teague  
K. Robinson  
M. Saylor

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<b>Permit</b>																								
<b>Permit #:</b> KY0102784		<b>Permittee:</b> Floyds Fork WQTC MSD				<b>Facility:</b> FLOYDS FORK WQTC MSD																		
<b>Major:</b> Yes		<b>Permittee Address:</b> 700 W Liberty St Louisville, KY 40203				<b>Facility Location:</b> 1100 BLUE HERON RD LOUISVILLE, KY 40245																		
<b>Permitted Feature:</b> 001 External Outfall		<b>Discharge:</b> 001-1 MUNICIPAL DISCHARGE																						
<b>Report Dates &amp; Status</b>																								
<b>Monitoring Period:</b> From 08/01/24 to 08/31/24				<b>DMR Due Date:</b> 09/28/24				<b>Status:</b> NetDMR Validated																
<b>Considerations for Form Completion</b>																								
<b>Principal Executive Officer</b>																								
<b>First Name:</b> James				<b>Title:</b> Executive Director				<b>Telephone:</b> 502-540-6000																
<b>Last Name:</b> Parrott																								
<b>No Data Indicator (NODI)</b>																								
<b>Form NODI:</b> --																								
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	=	9.0										19 - mg/L	0	01/07 - Weekly	GR - GRAB				
					Permit Req.	>=	7.0 INST MIN													19 - mg/L	0	01/07 - Weekly	GR - GRAB	
					Value NODI																			
00400	pH	1 - Effluent Gross	0	--	Sample	=	8.2										12 - SU	0	01/07 - Weekly	GR - GRAB				
					Permit Req.	>=	6.0 MINIMUM													12 - SU	0	01/07 - Weekly	GR - GRAB	
					Value NODI																			
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	88.0	=	133.0	26 - lb/d			=	3.0	=	3.0	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				0	01/07 - Weekly	24 - COMP24	
					Value NODI																			
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample								=	308.0	=	382.0	19 - mg/L	0	01/07 - Weekly	CP - COMPOS				
					Permit Req.																	0	01/07 - Weekly	24 - COMP24
					Value NODI																			
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample								=	15.0	=	18.0	19 - mg/L	0	01/07 - Weekly	CP - COMPOS				
					Permit Req.																	0	01/07 - Weekly	24 - COMP24
					Value NODI																			
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	6.3	=	8.9	26 - lb/d			=	0.2	=	0.2	19 - mg/L	0	01/07 - Weekly	CP - COMPOS				
					Permit Req.	<=	54.2 MO AVG	<=	81.3 MX WK AV	26 - lb/d			<=	1.0 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	=	13.9	=	30.2	26 - lb/d			=	0.5	=	0.7	19 - mg/L	0	05/30 - 5 Times Every Month	24 - COMP24				
					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				0	01/07 - Weekly	24 - COMP24	
					Value NODI																			
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	3.31	=	4.806	03 - MGD								0	99/99 - Continuous	CN - CONTIN				
					Permit Req.																	0	99/99 - Continuous	RE - Record (manual)
					Value NODI																			
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	3.015	=	4.346	03 - MGD								0	99/99 - Continuous	CN - CONTIN				
					Permit Req.																	0	99/99 - Continuous	RE - Record (manual)
					Value NODI																			
51040	E. coli	1 - Effluent Gross	0	--	Sample								=	1.0	=	2.0	13 - #/100mL	0	01/07 - Weekly	GR - GRAB				
					Permit Req.												<=	130.0 30DA GEO	<=	240.0 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 = 88.0	= 133.0	26 - lb/d	= 3.0	= 3.0	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 = 99.0	= 123.0		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 = 97.0					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
FFCoverletter.pdf	pdf	35668.0
FFMOR.pdf	pdf	136535.0

**Report Last Saved By**

**Floyds Fork WQTC MSD**

User: staci.huber@louisvillemsd.org  
 Name: Staci Huber  
 E-Mail: staci.huber@louisvillemsd.org  
 Date/Time: 2024-09-24 13:50 (Time Zone: -04:00)

**Report Last Signed By**

User: staci.huber@louisvillemsd.org  
 Name: Staci Huber  
 E-Mail: staci.huber@louisvillemsd.org  
 Date/Time: 2024-09-24 13:50 (Time Zone: -04:00)

NAME OF TREATMENT PLANT FLOYDS FORK  
 KPDES PERMIT NUMBER KY0102784

COUNTY JEFFERSON  
 PLANT CAPACITY 3.5 MGD

MONTH OF: August 2024  
 RECEIVING STREAM FLOYDS FORK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		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			WASTE	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	5.345			7.5													1.92	5910	80000	5.5	3640	2890	380																			4.6917214		
2	5.325			7.5	8.2				9.9		240		3	60		3	3.3	6260	80000	5.3	3130	2420	360																					4.9212079
3	6.912																2.23		70000	5.6				370																			6.2839074	
4	4.826																2.21		85000	5.8				360																			4.5367937	
5	4.452			7.5													2.26	5900	85000	5.4	3150	2500	390																			3.6290405		
6	3.424			7.5													1.71	6140	85000	3.8	3190	2450	400																				3.2612088	
7	3.358			7.4													1.51	5740	90000	3.4	2920	2320	400																				3.0973401	
8	3.155			7.7													1.53	5330	80000	3.9	3090	2460	400																				2.9638581	
9	2.986			7.5	8.2				10.5		294		3	100		3	1.75	5160	80000	2.4	2960	2240	410																				2.7929947	
10	2.922																1.75		80000	7				420																			2.7561769	
11	2.996																1.77		80000	7.4				420																			2.8017271	
12	3.453			7.1													1.22	4820	60000	5.8	3110	2440	440																				2.7109096	
13	2.971			7.3													1.04	6210	60000	5.2	2650	2250	380																				2.6628308	
14	2.798			7.5													1	6230	60000	3.5	3000	2450	370																					2.6218917
15	2.794			7.5													0.97	5470	60000	5	2730	2190	380																				2.6089697	
16	3.028			7.7	8.3				9.4		317		3	123		3	1.05	6300	60000	5.5	2430	1970	390																					2.7216599
17	2.934																0.99		70000	5.1				420																			2.7544053	
18	3.018																0.99		70000	5.5				440																			2.7980118	
19	2.882			7.3													0.88	8250	70000	4.6	2890	2360	390																				2.6202178	
20	2.761			7.3													1.05	6530	80000	5.6	2820	2370	480																				2.5289056	
21	2.806			7.4													1.18	6390	60000	5.2	2840	2400	480																				2.5041764	
22	2.738			7.5													1.11	8580	60000	5.7	2860	2320	470																					2.4883866
23	2.689			7.5	8.3				9.3		382		3	114		3	1.32	8470	60000	5.3	2790	2260	330																					2.4282298
24	2.768																1.13		60000	5.7				450																				2.5288541
25	2.920																0.95		60000	5.6				440																				2.6854544
26	2.758			7.5													0.8	8140	60000	4	2760	2300	420																					2.5645645
27	2.686			7.5													0.93	6900	60000	4.3	3120	2590	450																					2.4897301
28	2.674			7.7													1	7180	50000	4.9	2840	2370	440																					2.4823489
29	2.700			7.5													1	7220	50000	5	2980	2480	460																					2.5170836
30	2.651			7.5													1	8090	50000	4.6	3110	2570	460																					2.4656363
31	2.830																1.12		50000	4				460																				2.5587022
Tot.	102.56																42.7																											93.48
Avg.	3.308			7.5	8.3				9.8		308		3	99		3	1.38	6601	67903	5.02	2955	2391	415																					3.015

RESIDENTIAL  
 COMMERCIAL  
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT  
 31508 FLOW  
 16109 CBOD  
 40501 TSS

Mike Stephenson  
 OPERATOR  
 9616  
 CERT. NO.

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

(502)540-6000  
 PLANT TELEPHONE