msd
Safe, clean waterways

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

September 14th, 2021

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

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

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,

Joseph Shaun Smith
Process Supervisor

JSS/ Floyds Fork 08/21.

Cc: V. Teague
R. Shaw

DMR Copy of Record

Permit					
Permit #:	**KY0102784**	**Permittee:**	Floyds Fork WQTC MSD	**Facility:**	FLOYDS FORK WQTC MSD
Major:	Yes	**Permittee Address:**	700 W Liberty St Louisville, KY 40203	**Facility Location:**	1100 BLUE HERON RD LOUISVILLE, KY 40245
Permitted Feature:	001 External Outfall	**Discharge:**	**001-1** MUNICIPAL DISCHARGE		
Report Dates & Status					
Monitoring Period:	**From 08/01/21 to 08/31/21**	**DMR Due Date:**	**09/28/21**	**Status:**	**NetDMR Validated**
Considerations for Form Completion					
Principal Executive Officer					
First Name:	James	**Title:**	Executive Director	**Telephone:**	502-540-6000
Last Name:	Parrott				
No Data Indicator (NODI)					
Form NODI:	--				

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					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						=	8.0					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						=	8.0			=	8.5	12 - SU	0	01/07 - Weekly	GR - GRAB
					Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU		01/07 - Weekly	GR - GRAB
					Value NODI															
00530	**Solids, total suspended**	1 - Effluent Gross	0	--	Sample	=	94.0	=	166.0	26 - lb/d			=	4.0	=	7.0	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		01/07 - Weekly	24 - COMP24
					Value NODI															
00530	**Solids, total suspended**	G - Raw Sewage Influent	0	--	Sample								=	435.0	=	698.0	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/07 - Weekly	24 - COMP24
					Value NODI															
00600	**Nitrogen, total [as N]**	1 - Effluent Gross	0	--	Sample								=	20.0	=	29.0	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/07 - Weekly	24 - COMP24
					Value NODI															
00610	**Nitrogen, ammonia total [as N]**	1 - Effluent Gross	1	--	Sample	=	11.6	=	25.1	26 - lb/d			=	0.5	=	1.1	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		01/07 - Weekly	24 - COMP24
					Value NODI															
00665	**Phosphorus, total [as P]**	1 - Effluent Gross	0	--	Sample	=	7.0	=	7.6	26 - lb/d			=	0.3	=	0.3	19 - mg/L	0	01/07 - Weekly	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		01/07 - Weekly	24 - COMP24
					Value NODI															
50050	**Flow, in conduit or thru treatment plant**	1 - Effluent Gross	0	--	Sample	=	2.829	=	2.898	03 - MGD								0	99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD									99/99 - Continuous	RE - Record (manual)
					Value NODI															
50050	**Flow, in conduit or thru treatment plant**	G - Raw Sewage Influent	0	--	Sample	=	2.311	=	2.348	03 - MGD								0	99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD									99/99 - Continuous	RE - Record (manual)
					Value NODI															
51040	**E. coli**	1 - Effluent Gross	0	--	Sample								=	1.0	=	1.0	13 - #/100mL	0	01/07 - Weekly	GR - GRAB
					Permit Req.								<=	130.0 30DA GEO	<=	240.0 7 DA GEO	13 - #/100mL		01/07 - Weekly	GR - GRAB
					Value NODI															
80082	**BOD, carbonaceous [5 day, 20 C]**	1 - Effluent Gross	0	--	Sample	=	53.0	=	68.0	26 - lb/d			=	2.0	=	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								=	152.0	=	196.0	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	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						=	99.0					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
082021MOR.pdf	pdf	150529.0
082021CoverLetter.pdf	pdf	31408.0

Report Last Saved By

Floyds Fork WQTC MSD

User:	staci.huber@louisvillemsd.org
Name:	Staci Huber
E-Mail:	staci.huber@louisvillemsd.org
Date/Time:	2021-09-15 07:50 (Time Zone: -04:00)

Report Last Signed By

User:	JOSEPH.SMITH@LOUISVILLEMSD.ORG
Name:	Joseph Smith
E-Mail:	joseph.smith@louisvillemsd.org
Date/Time:	2021-09-15 10:29 (Time Zone: -04:00)

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: August 2021

KPDES PERMIT NUMBER KY0102784 PLANT CAPACITY 3.5 MGD 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				
		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 GAL/DAY X 1000	RETURN MLSS X1000	WASTE GAL/DAY X 1000	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME 30 MIN.	SETTLED SLUDGE VOLUME 60 MIN.	RAW GALLONS X 1000	RAW % DRY SOLIDS	RAW % VOLATILE SOLIDS	HAULED % DRY SOLIDS	HAULED % VOLATILE SOLIDS	HAULED WITHDRAWN GALLONS X 1000	PHOSPHORUS, TOTAL (mg/L)	NH3-N (mg/L)	ECOLI	Total Nitrogen	TOTAL FLOW (MILLION GALLONS)
1	2.731											698		3	196		3	1		40000	4.1			270									1.10		28.8	2.2259004
2	2.604			7.7	8.3					9.1								1	5620	40000	3.3	2530	2040	270								0.30		1		2.1519368
3	2.584																	1	5540	55000	3.3	2400	1890	290												2.1216846
4	2.558																	1	5800	75000	3.5	2430	1940	290												2.1126285
5	2.560																	1	5710	65000	2.5	2500	1960	280												2.0917699
6	2.537																	2	6200	60000	2.5	2530	1990	290												2.0842249
7	2.517																	1		75000	2.4			280												2.1016018
8	2.652											284		3	126		2	1		65000	2.4			280								0.30	0.28		16.4	2.20504
9	3.000			7.7	8.2					9.5								1	5560	65000	2.5	2490	1970	270										1		2.3456278
10	2.916																	1	6840	75000	2.9	2420	1990	290												2.3984416
11	2.716																	1	5960	75000	3.1	2550	2060	290												2.2614861
12	2.716																	1	5880	75000	3.5	2640	2080	280												2.2155614
13	2.658																	1	5790	75000		2630	2140	270												2.1333044
14	2.934																	1		60000	3.0			270												2.3426635
15	3.035											316		3	122		2	1		60000	3.2			270								0.30	0.28		16.4	2.4660318
16	2.855			7.8	8.5					8.6								1	6400	65000	3.3	2550	2010	270										1		2.2646666
17	2.770																	1	6760	70000	3.2	2800	2190	280												2.2206459
18	2.669																	1	6410	75000	3.8	2740	1740	260												2.1789649
19	3.270																	1	6280	70000	3.0	2580	2080	260												2.6396387
20	2.899																	1	6380	60000	4.0	2390	1970	250												2.3777525
21	2.790																	1		50000	3.8			270												2.2892687
22	2.848											440		7	162		2	1		50000	4.0			250								0.30	0.34		16.4	2.3574178
23	2.678			7.7	8.0					8.2								1	6590	65000	2.9	2720	2130	280										1		2.2286825
24	2.711																	1	5960	75000	3.1	2680	2100	270												2.1775525
25	2.804																	1	5770	70000	3.6	2650	2030	260												2.2358162
26	2.796																	1	6190	65000	3.2	2730	2190	250												2.2621915
27	2.734																	1	5970	65000	3.4	2440	1930	250												2.171119
28	2.697																	1		60000	3.6			210												2.2169225
29	2.758																	1		60000	3.6			220												2.2445767
30	3.696																	1	5730	70000	3.2	2590	2050	240												2.8921912
31	4.009																	2	7670	60000	4.7	2540	2040	250												3.6325314
Tot.	87.70																	37.5																		71.65
Avg.	2.829			7.7	8.3					8.8		435		4	152		2	1.21	6137	64193.5	3.2853	2570	2024	266								0.30	0.50	1	19.5	2.311

RESIDENTIAL

COMMERCIAL

INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

26944	21027	48818	Michael Stephenson	9616
FLOW	CBOD	TSS	OPERATOR	CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-540-6000

PLANT TELEPHONE