msd
Safe, clean waterways

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

November 17, 2020

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

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

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 October 2020.

Also attached is a discharge report.

There were no exceedances or bypasses.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6170

Sincerely,

Joseph Shaun Smith
Process Supervisor

JSS/ Floyds Fork 10/20.

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 10/01/20 to 10/31/20**	**DMR Due Date:**	**11/28/20**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	James A	**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						=	9.0					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			=	7.9	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	=	66.0	=	78.0	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		01/07 - Weekly	24 - COMP24
					Value NODI															
00530	**Solids, total suspended**	G - Raw Sewage Influent	0	--	Sample								=	163.0	=	190.0	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								=	12.0	=	15.0	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	=	9.2	=	19.1	26 - lb/d			=	0.4	=	0.9	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	=	6.6	=	7.8	26 - lb/d			=	0.3	=	0.3	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	=	3.319	=	3.198	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	=	2.911	=	2.742	03 - MGD								0	99/99 - Continuous	RE - Record (manual)
					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								=	15.0	=	37.0	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	=	68.0	=	104.0	26 - lb/d			=	3.0	=	4.0	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								=	130.0	=	142.0	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						=	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**						=	98.0					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
FFdischarge1020.pdf	pdf	11768.0
FFCoverletter1020.pdf	pdf	30189.0
FFMOR102020.XLS	xls	340992.0

Report Last Saved By

Floyds Fork WQTC MSD

User:	kevin.thompson@louisvillemsd.org
Name:	Kevin Thompson
E-Mail:	kevin.thompson@louisvillemsd.org
Date/Time:	2020-11-20 11:06 (Time Zone: -05:00)

Report Last Signed By

User:	JOSEPH.SMITH@LOUISVILLEMSD.ORG
Name:	Joseph Smith
E-Mail:	joseph.smith@louisvillemsd.org
Date/Time:	2020-11-24 09:34 (Time Zone: -05:00)

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: October 2020

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				
																		RETURN		WASTED				SETTLED SLUDGE VOLUME		RAW			HAULED							
		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 x1000	GAL/DAY X 1000	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) X 1000	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000	PHOSPHORUS, TOTAL (mg/L)	NH3-N (mg/L)	ECOLI	Total Nitrogen	TOTAL FLOW (MILLION GALLONS)
1	2.546	2.48	2.48	7.1								182		3	140		3	0.79	6960	50000	2.8	2630	2090	400		2.18			1.69		63000	0.30	0.31			2.1794419
2	2.413	2.48	2.48	7.2														0.75	6750	50000	2.9	2570	2110	400		2.10					63000			9		2.0961406
3	2.415	2.48	2.48															0.75		50000	3.1			400		2.13					0					2.1297169
4	2.610	2.48	2.48															0.57		50000	3.2			390		2.22					0					2.222681
5	2.498	2.48	2.48	7.3														0.81	6350	50000	3.3	2740	2190	400		2.17					63000				14.3	2.1651449
6	2.455	2.48	2.48	7.2	7.6					9.7								0.68	6260	50000	3.0	2680	2140	400		2.14					18900					2.1416013
7	2.422	2.48	2.48	7.4														0.78	5840	50000	3.1	2540	2050	370		2.12					6300					2.1194959
8	2.495	2.48	2.48	7.2								185		3	142		3	0.74	5450	40000	2.8	2610	2100	390		2.12			1.6		94500	0.30	0.92			2.1211936
9	2.454	2.48	2.48	7.3														0.87		30000	2.6	2420	1990	370		2.09					170100			37		2.086971
10	2.559	2.48	2.48															0.58		30000	2.5			500		2.09					0					2.0924296
11	2.596	2.48	2.48															0.41	5780	40000	2.6			360		2.19					0					2.1939151
12	2.661	2.48	2.48	7.1														0.84	5780	40000	4.2	2550	2120	360		2.15					6300				14.6	2.1490405
13	2.422	2.48	2.48	7.2	7.6					10.0								1.17	6390	50000	3.8	2860	2360	450		2.14					0					2.1377738
14	2.368	2.48	2.48	7.2														1.00	5530	50000	3.2	2720	2200	450		2.03					50400					2.0285308
15	2.420	2.48	2.48	7.2								190		3	140		2	1.10	4960	40000	5.2	2850	2310	470		1.95			1.66		56700	0.30	0.29			1.9506741
16	2.253	2.48	2.48	7.4														0.77	5100	40000	4.8	2830	2280	450		1.93					56700			8		1.9787647
17	2.374	2.48	2.48															0.34		40000	4.6			480		2.10					0					2.1002898
18	2.572	2.48	2.48															0.79		50000	3.8			470		2.17					0					2.172363
19	3.474	2.48	2.48	7.1														1.08	6810	60000	3.5	2690	2180	460		2.84					63000				11.7	2.8413699
20	5.515	2.48	2.48	7.3	7.8					9.2								1.48	10600	60000	3.0	2610	2300	330		4.98					37800					4.9782724
21	3.636	2.48	2.48	7.5														1.23	7690	60000	5.2	2860	2360	450		3.18					81900					3.1746151
22	3.116	2.48	2.48	7.3								94		3	97		4	1.32	6570	50000	5.3	2820	2370	400		2.64			1.4		0	0.30	0.20			2.6433609
23	3.133	2.48	2.48	7.3														1.36	5220	50000	5.8	2690	2210	410		2.67					63000			17		2.6682849
24	3.747	2.48	2.48															1.35		50000	2.2			430		3.24					0					3.2423706
25	3.237	2.48	2.48															1.15		50000	5.1			400		2.77					0					2.7673423
26	3.414	2.48	2.48	7.2														0.95	6700	50000	4.2	2300	1860	350		2.52					56700				8.93	2.5192449
27	2.935	2.48	2.48	7.2	7.9					9.7								0.99	12800	50000	5.1	2380	2000	350		2.41					56700					2.4120533
28	2.807	2.48	2.48	7.1														0.89	5920	50000	3.9	2770	2240	430		2.36					37800					2.3601763
29	10.335	2.48	2.48	7.2														2.18	10560	50000	4.2	2310	1850	330		11.80					50400					2.3601763
30	8.147	2.48	2.48	7.5														1.63	7460	40000	5.2	2160	1780	300		16.72					63000					16.715611
31	4.848	2.48	2.48															2.16		40000	6.5			250		4.09					0					3.4831684
Tot.	102.88	76.88	76.88															31.48								100.2					1E+06					90.23
Avg.	3.319	2.48	2.48	7.3	7.7					9.7		163		3	130		3	1.016	6885.45	47097	3.894	2618	2140	400		3.233			1.588		37394	0.30	0.43	15	12.38	2.911

RESIDENTIAL

COMMERCIAL

INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

31606	21124	21450	Randolph P. Kustes Jr	14555
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

IMSAST0004
Overflow Report
10/1/2020 12:00:00 AM to 10/31/2020 12:00:00 AM

KPDES #	Facility ID	Water Quality Treatement Center	Receiving Stream of Treatment Center	Region
KY0102784	MSD0294	FLOYDS FORK	FLOYDS FORK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMNSewer Main	112307B-V	2410 S POPE LICK RD		POPE LICK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	3309911		10/14/2020	GRAY JR	BRAZEL	REPAIRED - ISSUE RESOLVED	10/14/2020	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE-WATERS	10/19/20 10:53 AM	

Discharge Reporting:

Discharge Amount:	10,000 GAL
Cause:	STRUCTURAL FAILURE OF MAIN SEWER.
Clean Up:	NO CLEAN UP PERFORMED.
Control Zone:	TEMPORARY SIGNS HAVE BEEN POSTED.
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND ON THE GROUND.
Repair:	THE PUMPS WERE TURNED OFF.
Public Notification:	ADVISED CUSTOMER ON SITE.

Notifications:

10/15/20 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
10/15/20 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 1

Total Work Orders Printed: 1