



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

November 15th, 2021

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

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

Also attached is the overflow report.

There were no exceedances 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 10/21.

Cc: V. Teague
R. Shaw

81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=	99.0								23 - %	01/30 - Monthly	CA - CALCTD	
					Permit Req.	>=	85.0 MO AV MN								23 - %	0	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
MOR1021.pdf	pdf	199418.0
10_October_Discharge_Report_All_Services_FIN.pdf	pdf	19306.0
Coverletter1021.pdf	pdf	37339.0

Report Last Saved By

Floyds Fork WQTC MSD

User: kevin.thompson@louisvillemSD.org
 Name: Kevin Thompson
 E-Mail: kevin.thompson@louisvillemSD.org
 Date/Time: 2021-11-17 08:59 (Time Zone: -05:00)

Report Last Signed By

User: JOSEPH.SMITH@LOUISVILLEMSD.ORG
 Name: Joseph Smith
 E-Mail: joseph.smith@louisvillemSD.org
 Date/Time: 2021-11-18 07:22 (Time Zone: -05:00)

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: October 2021
 KPDES PERMIT NUMBER KY0102784 PLANT CAPACITY 3.5 MGD 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								
		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	WAST ED	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	2.718																2	5540	75000			4.2	2980	2410	370														2.1824543
2	2.796																2		60000			4.0				350													2.1939025
3	4.587										140		3	91		3	2		60000			3.5				350					0.34	3.20			10		4.1150208		
4	5.075			7.7	7.7				9.7							4	7390	80000			3.9	3020	2450	370										124		4.1818886			
5	4.243															4	6250	80000			5.5	3020	2470	380								0.20				3.4303117			
6	5.101															4	6970	80000			4.3	3140	2610	330								0.20				4.1909962			
7	4.404															4	6380	80000			4.9	3120	2590	400												3.6067815			
8	3.766															4	5200	80000			5.4	2910	2420	390												3.1237574			
9	3.349															4		80000			5.1			400												2.7774847			
10	3.250										298		3	108		3	4		80000			4.9			400						0.30	0.20		5.88		2.6966145			
11	3.226			7.6	8.3				8.8							4	4600	90000			3.4	2990	2440	430									1		2.6060607				
12	2.989															4	4650	90000			3.8	3020	2430	430												2.455014			
13	3.059															4	4610	60000			4.3	3070	2510	440												2.3874567			
14	2.981															4	4830	60000			4.2	3120	2510	440												2.4042873			
15	3.585															4	4630	80000			4.0	3170	2500	450												2.8012202			
16	4.319															2		80000			5.3			440												3.5206437			
17	3.718										360		3	143		3	2		80000			5.2			390						0.13	0.20		8.66		2.9205759			
18	3.126			7.5	8.6				8.5							2	6260	70000			4.2	2850	2300	400									1		2.6204762				
19	2.989															2	6690	70000			4.1	2860	2300	410												2.5021451			
20	2.866															2	6390	55000			4.2	3070	2470	440												2.3807662			
21	2.915															2	6110	55000			3.6	3020	2430	420											2.3448257				
22	2.768															2	6260	70000			3.4	3080	2430	420												2.224886			
23	2.759															2		60000			2.8			430												2.2795558			
24	3.089										240		3	148		2	2		60000			2.9			440						0.30	0.54		11.3		2.5356202			
25	3.569			7.6	7.4				8.6							2	7120	80000			3.1	3050	2440	420									1		2.9042735				
26	3.104															2	12620	80000			3.6	2990	2390	400											2.6046712				
27	2.897															2	7270	70000			3.4	3190	2520	440												2.4072521			
28	3.152															2	7780	70000			3.8	3250	2680	420												2.560735			
29	3.446															2	12810	70000			3.7	2900	2260	420												2.8053327			
30	5.540															4		60000			3.5			400												5.7315059			
31	5.107															4		60000			4.9			420												4.1410747			
Tot.	110.49															87.26																					91.64		
Avg.	3.564			7.6	8.0				8.9		260		3	123		3	2,815	6684	71774.2		4.1	3039	2455	407.7								0.27	0.76	3	8.96	2.956			

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

33946 FLOW 21421 CBOD 36734 TSS

Michael Stpehenson OPERATOR 9616 CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-540-6000 PLANT TELEPHONE

NAME OF TREATMENT PLANT Floyds Fork

COUNTY Jefferson

Month of: October 2021

Avg. Flow: 3.56

Sludge Disposal

Date	Rainfall	in Gallons	Remarks
1	0.00	0	
2	0.00	0	
3	1.60	0	
4	0.00	37800	
5	0.48	31500	
6	0.10	63000	
7	0.13	25200	
8	0.00	25200	
9	0.00	0	
10	0.00	0	
11	0.00	56700	
12	0.00	31500	
13	0.05	63000	
14	0.00	63000	
15	0.71	63000	
16	0.08	0	
17	0.00	0	
18	0.00	25200	
19	0.00	63000	
20	0.00	63000	
21	0.00	63000	
22	0.00	63000	
23	0.08	0	
24	0.10	0	
25	0.28	63000	
26	0.00	63000	
27	0.00	63000	
28	0.33	12600	
29	0.62	63000	
30	0.36	0	
31	0.00	0	



KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0078956	MSD0277	DEREK R. GUTHRIE	OHIO RIVER	NA

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMNSewer Main	106733-V	7318 REGIMENT RD		PENNSYLVANIA RUN	GROUND

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Ref No</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
: DISDW: DRY WEATHER DISCHARGE	3431596		10/10/2021	ROTTET JR	ROTTET JR	REPAIRED - ISSUE RESOLVED	10/10/2021	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE- WATERS	10/10/21 09:30 PM	

Discharge Reporting:

Discharge Amount:	30,000 GAL
Cause:	STRUCTURAL FAILURE (FORCE MAIN BREAK).
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA.
Control Zone:	PLACED CAUTION TAPE AROUND THE IMPACTED AREA AND TEMPORARY SIGNS.
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND ON THE GROUND AND STREAM.
Repair:	HAULED SEWAGE UNTIL REPAIRS MADE. TRC REPAIRED FORCE MAIN.
Public Notification:	TALKED TO CUSTOMER ON SITE AND PAGE SENT OUT TO UPDATE MSD WEBSITE.

Notifications:

10/11/21 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
10/11/21 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMNSewer Main	80581A-AG	611 WOODLAKE DR		CHENOWETH RUN	GROUND

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Ref No</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
: DISDW: DRY WEATHER DISCHARGE	3439668		10/21/2021	ROTTET JR	ROTTET JR	REPAIRED - ISSUE RESOLVED	07/27/2020	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE-WATERS	10/21/21 02:44 PM	

Discharge Reporting:

Discharge Amount:	207 GAL
Cause:	STRUCTURAL FAILURE (FORCE MAIN BREAK).
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE FOUND ON THE GROUND AND IN STREAM.
Repair:	SHUT OFF PUMP AND ISOLATED FORCE MAIN. CONTRACTOR TO MAKE REPAIRS.
Public Notification:	TEMPORARY SIGNS AROUND IMPACTED AREA. BREAK IS WITHIN FENCED AREA OF MSD PUMP STATION.

Notifications:

10/22/21 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0022411	MSD0278	MORRIS FORMAN		NA

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	CSO125	376 CRESCENT SPRING DR		MIDDLE FORK BEARGRASS	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Ref No</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
: DISDW: DRY WEATHER DISCHARGE	3430480		10/01/2021	FRENCH	FRENCH	REPAIRED - ISSUE RESOLVED	10/16/2015	UTILITY DAMAGED MSD ASSET	UNAUTHORIZED DISCHARGE-WATERS	10/01/21 03:25 PM	

Discharge Reporting:

Discharge Amount:	325,000 GAL
Cause:	DISCHARGED WATER INCLUDES RESIDUAL WASTE STREAM FROM MUNICIPAL DRINKING WATER TREATMENT.
Clean Up:	MSD CREWS WILL CLEAN AND SANITIZE IMPACTED AREAS.
Control Zone:	MSD CREWS WILL CLEAN AND SANITIZE THE IMPACTED AREA.
Impact:	MOSTLY CLEAR WATER DISCHARGING FROM CSO OUTFALL TO CREEK.
Repair:	LWC WORKING TO REPAIR LINE.
Public Notification:	MSD WEBSITE UPDATED TO NOTIFY THE PUBLIC OF A DRY WEATHER OVERFLOW.

Notifications:

10/2/21 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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Total Facilities Printed: 3

Total Work Orders Printed: 3