



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

December 23, 2019

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

**RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for November 2019.**

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 November 2019.

Also attached are discharge reports.

There were no 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 11/19.

Cc: V. Teague
R. Shaw

DMR Copy of Record

Permit			
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

Report Dates & Status			
Monitoring Period:	From 11/01/19 to 11/30/19	DMR Due Date:	12/28/19
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
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	=	9.0				=	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	=	7.6				=	7.7			12 - SU	0	01/07 - Weekly	GR - GRAB	
					Permit Req.	>=	6.0 MINIMUM				<=	9.0 MAXIMUM		12 - SU	0	01/07 - Weekly	GR - GRAB		
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	72.0	=	88.0	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						=	349.0	=	412.0	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	13.0	=	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	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	14.0	=	29.0	26 - lb/d	=	0.5	=	1.0	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	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=	9.0	=	11.0	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	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	4.03	=	4.522	03 - MGD						0	99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD						0	99/99 - Continuous	RE - Record (manual)	
					Value NODI														
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	3.57	=	3.744	03 - MGD						0	99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD						0	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	0	01/07 - Weekly	GR - GRAB	
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	77.0	=	110.0	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	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample						=	216.0	=	295.0	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	0	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 - %	0	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 - %	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
November2019_OverflowReport_FloydsFork.pdf	pdf	11810.0
FF112019_Coverletter.pdf	pdf	32974.0
FFMOR112019.pdf	pdf	123341.0

Report Last Saved By

Floyds Fork WQTC MSD

User: WILLIAM.FORD@LOUISVILLEMSD.ORG
Name: William Ford
E-Mail: william.ford@louisvillemsd.org
Date/Time: 2019-12-23 11:06 (Time Zone: -05:00)

Report Last Signed By

User: WILLIAM.FORD@LOUISVILLEMSD.ORG
Name: William Ford
E-Mail: william.ford@louisvillemsd.org
Date/Time: 2019-12-23 11:33 (Time Zone: -05:00)



KPDES #	Facility ID	Water Quality Treatment 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
SMHSewer Manhole	33003	815 TUCKER STATION RD		POPE LICK	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>
: DISREV: RAIN EVENT DISCHARGE	3181450		11/30/2019	LEWIS	SMITH	DOCUMENTE D	08/16/2018	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER PM	11/30/19 04:50	MAIN

Discharge Reporting:

Discharge Amount:	43,000 GAL
Cause:	LACK OF SEWER CAPACITY - HEAVY RAIN.
Clean Up:	NO CLEAN UP REQUIRED, SOLIDS & FLOATABLES WAS NOT DISCHARGED FROM THE MANHOLE.
Control Zone:	MSD PLACED CAUTION TAPE.
Impact:	WATER SEEPING THROUGH THE VENTED MANHOLE LID.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	TEMP SIGNS PLACED AT DISCHARGE SITE. AND PERM OVER FLOW SIGNS POSTED ALONG THE DITCH ADVISING TO AVOID CONTACT WITH DISCHARGED CONTENT.

Notifications:

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 1

Total Work Orders Printed: 1

NAME OF TREATMENT PLANT FLOYDS FORK
 KPDES PERMIT NUMBER KY0102784

COUNTY JEFFERSON
 PLANT CAPACITY 3.5 MGD

MONTH OF: November 2019
 RECEIVING STREAM FLOYDS FORK

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		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	WASTED	DISSOLVED OXYGEN (mg/L)	M.L.S.S. (mg/L) x 1000	M.I.V.S.S. (mg/L) x 1000	SETTLED SLUDGE VOLUME	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				
1	5.278	2.48	2.48	7.2															0.98	8650	46000	4.8	2460	2000	350		4.65														
2	3.901	2.48	2.48																0.98		50000	4.6			300		3.59												4.65095		
3	3.528	2.48	2.48									270			295				0.55		50000	5.1			300		3.25											3.58764			
4	3.397	2.48	2.48	7.1															0.87	8000	51000	4.8	2520	2000	300		3.03				0	0.30	0.20		12.9		3.24471				
5	3.245	2.48	2.48	7.3	7.7					9.2									0.68	6980	57000	4.5	2420	1950	300		2.84			1.28		75600						3.02835			
6	3.112	2.48	2.48	7.3															0.90	7360	53000	4.4	2380	1980	300		2.72					75600						2.8428			
7	4.442	2.48	2.48	7.2															0.90	7960	47000	4.6	2270	1830	310		4.01					75600						2.72272			
8	4.000	2.48	2.48	7.3															0.90	8430	43000	5.8	2210	1780	260		3.76					44100						4.00685			
9	3.548	2.48	2.48																0.90	40000		5.8			300		3.27				69300							3.76263			
10	3.423	2.48	2.48																0.90		40000	5.8			300		3.27				69300							3.76263			
11	3.364	2.48	2.48	7.2								354			3	191			0.73		40000	4.5			300		3.13				0							3.274			
12	3.340	2.48	2.48	7.4	7.7														0.80	7250	53000	2.4	2360	2020	300		2.93			1.19		75600						12.8	3.12803		
13	3.113	2.48	2.48	7.1															0.80	7640	50000	4.4	2360	1910	300		3.05										1	2.93085			
14	3.113	2.48	2.48	7.3															0.80	7250	52000	5.0	2310	1910	250		2.89					63000							3.05117		
15	3.113	2.48	2.48	7.3															0.80	7100	50000	4.9	2150	1720	260		2.79					69300							2.88993		
16	3.113	2.48	2.48																0.90	6990	56000	5.2	2410	1820	280		2.68					69300							2.78489		
17	3.113	2.48	2.48																0.90		50000	5.0			280		2.77					63000							2.68296		
18	4.207	2.48	2.48	7.3								412			3	289			0.90		50000	4.2			280		2.82				0							2.76493			
19	3.183	2.48	2.48	7.3	7.6														0.90	6800	53000	3.9	2200	2060	280		2.85			1.04		63000						15.4	2.8184		
20	3.189	2.48	2.48	7.3						9.4									0.90	7690	50000	5.0	2350	2110	300		2.69					63000							2.65303		
21	3.122	2.48	2.48	7.2															0.90	7600	48000	4.0	2240	1820	290		2.83					63000							2.68472		
22	4.306	2.48	2.48	7.2															1.51	7660	51000	3.4	2380	1910	300		2.83					63000							2.83217		
23	4.467	2.48	2.48																1.03	7890	50000	3.3	2430	1990	310		2.83					75600							2.83217		
24	4.401	2.48	2.48																1.15		50000	5.2			300		2.83					69300							2.83217		
25	3.785	2.48	2.48	7.3								360			1	90			0.93		50000	5.6			300		2.83					0							2.83217		
26	3.593	2.48	2.48	7.2	7.7														0.95	7130	52000	3.5	2290	1860	280		3.46			1.55		37800				0.30	0.20		11.7	2.83217	
27	6.376	2.48	2.48	7.1						8.7									1.10	7570	51000	3.0	2340	1920	320		3.16					37800							3.46389		
28	4.725	2.48	2.48																1.20	9310	40000	4.4	2040	1680	250		6.64					31500							3.15898		
29	3.826	2.48	2.48																0.77		40000	4.8			270		4.45					0							6.63562		
30	11.455	2.48	2.48																1.47		40000	5.0			300		3.56					0							4.45096		
31																			3.01		40000	4.4			300		12.16					31500							3.55989		
Tot.	120.76	71.92	74.4																30.09																					12.16015	
Avg.	4.025	2.48	2.48	7.2	7.7					9.1		349			3	216			3	1.003	7646	48433.3	4.517	2322	1909	292		3.57											107.10		
																																									107.10
																																									3.750

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

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
38335 FLOW
42703 CBOD
55791 TSS

Randolph p Kustes Jr OPERATOR
14555 CERT. NO.

502-540-6000 PLANT TELEPHONE