



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

April 22, 2019

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

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

Also attached is a discharge report and the first quarter biomonitoring DMR.

There were no bypasses, or exceedances.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6952.

Sincerely,

Duane V. Wright
Process Supervisor-Operations

DVW/ Floyds Fork 03/19.

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 03/01/19 to 03/31/19	DMR Due Date:	04/28/19
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	James A.	Title:	Exec. Dir.
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									19 - mg/L	0	01/07 - Weekly	GR - GRAB
					Permit Req.	>=	7 INST MIN									19 - mg/L	0	01/07 - Weekly	GR - GRAB
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	7.6					=	8			12 - SU	0	01/07 - Weekly	GR - GRAB
					Permit Req.	>=	6 MINIMUM				<=	9 MAXIMUM			12 - SU	0	01/07 - Weekly	GR - GRAB	
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	127	=	195	26 - lb/d		=	3	=	3	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	1626 MO AVG	<=	2439 MX WK AV	26 - lb/d		<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample						=	220	=	280	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						=	12	=	17	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	=	26	=	54	26 - lb/d		=	0.7	=	1.7	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	163 MO AVG	<=	244 MX WK AV	26 - lb/d		<=	3 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	=	12.7	=	19.5	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		<=	.5 MO AVG	<=	.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	=	4.44	=	5.338	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	=	3.6	=	4.416	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	=	2	13 - #/100mL	0	01/07 - Weekly	GR - GRAB	
					Permit Req.						<=	130 30DA GEO	<=	240 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	=	119	=	195	26 - lb/d		=	3	=	3	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	325 MO AVG	<=	488 MX WK AV	26 - lb/d		<=	6 MO AVG	<=	9 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						=	183	=	306	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						=	98			23 - %	0	01/30 - Monthly	CA - CALCTD	
					Permit Req.							>=	85 MO AV MN			23 - %	0	01/30 - Monthly	CA - CALCTD
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	99			23 - %	0	01/30 - Monthly	CA - CALCTD	
					Permit Req.							>=	85 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.

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:	001-2 TOXICITY																
Report Dates & Status																			
Monitoring Period:	From 01/01/19 to 03/31/19	DMR Due Date:	04/28/19	Status:	NetDMR Validated														
Considerations for Form Completion																			
THREE 24-HOUR COMPOSITE SAMPLES ONE EACH COLLECTED EVERY OTHER DAY FOR A PERIOD OF 5 DAYS; IE - DAYS 1, 3 & 5																			
Principal Executive Officer																			
First Name:	James A.	Title:	Exec. Dir.	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			
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample										<	1	2G - tox chronic	01/90 - Quarterly	24 - COMP24
					Permit Req.										<=	1 MAXIMUM	2G - tox chronic	01/90 - Quarterly	24 - COMP24
					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																			
No attachments.																			
Report Last Saved By																			
Floyds Fork WQTC MSD																			
User:	WRIGHTDUANE																		
Name:	Duane Wright																		
E-Mail:	duane.wright@louisvillemsd.org																		
Date/Time:	2019-04-23 07:24 (Time Zone: -04:00)																		
Report Last Signed By																			
User:	WRIGHTDUANE																		
Name:	Duane Wright																		
E-Mail:	duane.wright@louisvillemsd.org																		
Date/Time:	2019-04-23 08:36 (Time Zone: -04:00)																		

Comments

Attachments

Name	Type	Size
DischargeReport_FloydsFork_March2019.pdf	pdf	95232
FF032019_COVER.pdf	pdf	430114
FFMOR032019.pdf	pdf	56231

Report Last Saved By

Floyds Fork WQTC MSD

User: staci.huber@louisvillemmsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemmsd.org
Date/Time: 2019-04-23 07:51 (Time Zone: -04:00)

Report Last Signed By

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemmsd.org
Date/Time: 2019-04-23 08:36 (Time Zone: -04:00)

Report Selections: Period: 03/01/2019 00:00 thru 03/31/2019 23:59, treatment Plant: MSD0294 FLOYDS FORK, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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
SMN Sewer Main	41354B-V	11926 CREEL LODGE DR		GOOSE CREEK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	3072045		03/26/2019	DODDS	DODDS	REPAIRED - ISSUE RESOLVED	03/27/2019	UTILITY DAMAGED MSD ASSET	UNAUTHORIZED DISCHARGE-WATER S	03/27/19 02:00 PM	

Discharge Reporting:

Discharge Amount:	12,375 GAL
Cause:	FORCE MAIN BREAK CAUSED BY COMMUNICATIONS BORE THROUGH MAIN.
Clean Up:	MSD CONTRACTOR WILL CLEAN AND SANITIZE IMPACTED AREA.
Control Zone:	PLACED TEMPORARY SIGNS, CONES, BARRICADES AROUND THE IMPACTED AREA.
Impact:	SEWAGE OBSERVED ON THE GROUND.
Repair:	MSD CONTRACTOR REPAIRED FORCE MAIN.
Public Notification:	ADVISED BY WEBSITE UPDATE, ALL POSSIBLE IMPACTED PROPERTIES IN THE SURROUNDING AREA IN PERSON.

Notifications:

3/26/19 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION
3/26/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV

Total Facilities Printed: 1

Total Work Orders Printed: 1

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: March 2019
 KPDES PERMIT NUMBER KY0102784 PLANT CAPACITY 3.5 MGD 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	GAL/DAY X 1000	MLSS X 1000	GAL/DAY X 1000	WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	30 MIN.	60 MIN.	GALLONS X 1000	RAW			HAULED		PHOSPHORUS, TOTAL (mg/L)	NH3-N (mg/L)			ECOLI							
																												% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000												
1	4.184	2.48	2.48	7.2													0.789	7830	46000			4.0	2190	1740	250		3.38						75600											3.37746
2	4.081	2.48	2.48														0.793		50000			5.5			300		3.30						0										3.29898	
3	4.159	2.48	2.48										224	3	158		0.813		50000			5.7			300		3.33					0	0.30	0.79								3.33167		
4	3.910	2.48	2.48	7.4													0.885	7380	50000			4.6	2290	1840	300		3.19					1.59	36500				1	12.9			3.18626			
5	3.777	2.48	2.48	7.4	7.6												0.830	7490	50000			5.8	2390	1890	300		3.09					25200									3.0879			
6	3.660	2.48	2.48	7.3													0.839	6610	54000			5.6	2200	1780	300		2.96					6300									2.96103			
7	3.747	2.48	2.48	7.3													0.751	6640	55000			5.2	2250	1800	250		2.88					57800									2.87547			
8	3.769	2.48	2.48	7.4													0.835	8290	42000			5.0	2150	1840	300		2.91					37800									2.91109			
9	5.538	2.48	2.48														0.973		40000			5.6			300		5.06					0										5.0639		
10	7.812	2.48	2.48										130	3	72		2.130		40000			6.0			250		6.89					0	0.30	0.20								6.85528		
11	5.890	2.48	2.48	7.1													1.001	8990	50000			5.4	2730	2180	300		4.45				1.77	69300						1	6.69			4.45378		
12	4.660	2.48	2.48	7.2	7.6												1.108	8010	54000			5.9	2650	2120	290		3.81					72000									3.80883			
13	4.372	2.48	2.48	7.3													0.971	9450	40000			4.1	2380	1890	300		3.49					56700										3.49171		
14	5.325	2.48	2.48	7.4													1.134	7170	60000			5.0	2570	2010	300		4.33					36500										4.32747		
15	5.611	2.48	2.48	7.3													1.108	8000	45000			5.3	2100	1790	250		4.87					37800										4.60824		
16	4.703	2.48	2.48														1.107		45000			5.6			260		3.95					0											3.95438	
17	4.548	2.48	2.48										244	3	197		1.062		40000			5.2			250		3.68					0	0.30	0.30								3.68124		
18	4.151	2.48	2.48	7.4													0.830	7520	53000			4.0	2430	1920	300		3.39					1.76	75600					1	11.3			3.3866		
19	3.933	2.48	2.48	7.3	7.8												0.728	7710	50000			3.9	2320	1840	290		3.13					54100										3.13339		
20	4.026	2.48	2.48	7.3													0.739	7650	53000			4.6	2470	1960	300		3.19					65400										3.19106		
21	3.927	2.48	2.48	7.3													0.788	7900	53000			4.9	2580	2060	340		3.02					42800										3.01549		
22	3.656	2.48	2.48	7.3													0.733	8150	56000			3.9	2800	2300	350		2.88					81600										2.87834		
23	3.673	2.48	2.48														0.782		40000			4.2			300		2.90					0											2.90371	
24	3.818	2.48	2.48										280	3	306		0.900		50000			4.3			320		2.98					0	0.30	1.70								2.97672		
25	4.549	2.48	2.48	7.2													0.622	8270	50000			4.6	2540	2030	320		3.51					1.64	59100						2	16.7			3.51237	
26	3.925	2.48	2.48	7.5	8.0												0.614	8200	48000			4.7	2420	2060	300		3.14					78000										3.13843		
27	3.715	2.48	2.48	7.3													0.779	6820	60000			5.0	2510	2010	300		2.95					38900										2.94928		
28	3.659	2.48	2.48	7.2													0.760	7880	55000			4.6	2660	2120	300		2.89					96600										2.89317		
29	3.683	2.48	2.48	7.3													0.720	7810	56000			4.0	2660	2130	300		2.79					85000										2.78836		
30	4.565	2.48	2.48														0.812		50000			3.9			300		3.74					0										3.7431		
31	6.646	2.48	2.48														0.813		50000			4.1			310		5.82					0											5.81514	
Tot.	137.67	76.9	76.88														27.749									111.9						1188600												111.60
Avg.	4.441	2.48	2.48	7.3	7.8								9.6	220	3	183		0.8951	7799	49516.1			4.845	2442	1967	294.5		3.609				1.69	38341.9355						1	11.9			3.600	

RESIDENTIAL _____ INDUSTRIAL WASTE POPULATION EQUIVALENT _____
 COMMERCIAL 42295 FLOW _____ 39925 CBOD _____ 38713 TSS _____
 INDUSTRIAL _____ OPERATOR Randolph P. Kustes Jr. CERT. NO. 14555

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

PLANT TELEPHONE 502-540-6000