



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

February 15, 2019

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

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

Also attached is a discharge report.

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 01/19.

Cc:   V. Teague  
      R. Shaw

**DMR Copy of Record**

<b>Permit</b>			
<b>Permit #:</b>	<b>KY0102784</b>	<b>Permittee:</b>	Floyds Fork WQTC MSD
<b>Major:</b>	Yes	<b>Permittee Address:</b>	700 W Liberty St Louisville, KY 40203
<b>Permitted Feature:</b>	001 External Outfall	<b>Discharge:</b>	<b>001-1</b> MUNICIPAL DISCHARGE
<b>Facility:</b>		<b>Facility Location:</b>	FLOYDS FORK WQTC MSD 1100 BLUE HERON RD LOUISVILLE, KY 40245

<b>Report Dates &amp; Status</b>			
<b>Monitoring Period:</b>	<b>From 01/01/19 to 01/31/19</b>	<b>DMR Due Date:</b>	<b>02/28/19</b>
<b>Status:</b>	<b>NetDMR Validated</b>		

**Considerations for Form Completion**

<b>Principal Executive Officer</b>			
<b>First Name:</b>	James A.	<b>Title:</b>	Exec. Dir.
<b>Last Name:</b>	Parrott	<b>Telephone:</b>	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	=	7.1					=	7.3		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	=	137	=	204	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							=	198	=	246	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							=	8	=	11	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	=	17	=	37	26 - lb/d		=	0.4	=	0.9	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	=	13.7	=	20.4	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	=	4.96	=	5.935	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	=	4.242	=	5.155	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	=	1	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	=	204	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							=	181	=	188	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			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							=	98			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.

**Comments**

**Attachments**

Name	Type	Size
FFMOR012019.pdf	pdf	52277
FF012019_COVER.pdf	pdf	453111
January2019_OverflowReport_FloydsFork.pdf	pdf	95815

**Report Last Saved By**

**Floyds Fork WQTC MSD**

User: WRIGHTDUANE  
Name: Duane Wright  
E-Mail: duane.wright@louisvillemsd.org  
Date/Time: 2019-02-15 12:33 (Time Zone: -05:00)

**Report Last Signed By**

User: WRIGHTDUANE  
Name: Duane Wright  
E-Mail: duane.wright@louisvillemsd.org  
Date/Time: 2019-02-18 09:15 (Time Zone: -05:00)

NAME OF TREATMENT PLANT FLOYDS FORK  
 KPDES PERMIT NUMBER KY0102784

COUNTY JEFFERSON  
 PLANT CAPACITY 3.5 MGD

MONTH OF: January 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									
		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	MLSS X 1000	GAL/DAY X 1000	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)	
																		GAL/DAY X 1000	MLSS X 1000							30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS						WITHDRAWN GALLONS X 1000
1	8.141	2.48	2.48	6.9							160		3	183		3	2.501	4030	80000	4.3	2200	1800	250							0	0.30	0.20		1	4.6	7.03377		
2	5.746	2.48	2.48	7.3	7.2												1.454	7430	66000	8.1	3030	2530	310								59100						4.86641	
3	4.771	2.48	2.48	7.1													2.535	9910	38000	6.3	2410	2000	300								63000						4.13886	
4	5.547	2.48	2.48	7.0													2.364	5830	70000	6.9	2600	2110	310								44100						4.73186	
5	6.848	2.48	2.48														2.453		50000	7.0				310							0						6.24376	
6	5.434	2.48	2.48														1.705		50000	6.7				300							0						4.87755	
7	5.057	2.48	2.48	7.1													0.673	7870	56000	5.2	2690	2150	350								31500						4.19376	
8	4.924	2.48	2.48	6.9													0.641	8630	39000	5.4	2050	1740	300								51500	0.30	0.91		10.5		3.79573	
9	4.098	2.48	2.48	7.1	7.2												0.422	7080	53000	3.4	2300	1970	250								51500				1		3.44636	
10	3.844	2.48	2.48	7.0													0.522	7610	50000	3.2	2320	1920	270								57800						3.2708	
11	3.679	2.48	2.48	6.9													0.581	7680	52000	5.0	2440	2020	300								51500						3.05289	
12	3.964	2.48	2.48														0.507		50000	7.1				300							0						3.28039	
13	5.013	2.48	2.48														0.640		50000	4.1				300							0						4.28358	
14	4.327	2.48	2.48	6.8													0.631	7540	47000	5.0	2170	1810	290								57800						3.61813	
15	4.030	2.48	2.48	7.0													0.723	7090	50000	6.1	2190	1820	300								78000	0.30	0.23		10.1		3.31	
16	3.840	2.48	2.48	7.0	7.1												0.665	6920	53000	5.7	2210	1870	300								52800				1		3.14	
17	3.880	2.48	2.48	6.9													0.683	7300	49000	4.2	2180	1840	260								70400						3.13223	
18	3.823	2.48	2.48	6.8													0.659	7630	47000	4.4	2170	1820	260								95600						3.14341	
19	5.636	2.48	2.48														1.630		50000	4.0				250							0						5.46949	
20	7.110	2.48	2.48														2.690		45000	4.3				250							0						6.55802	
21	5.390	2.48	2.48	6.9													2.536		50000	7.8				320							0						4.79322	
22	4.847	2.48	2.48	6.9													2.448	6820	58000	4.8	2400	2020	310								5000	0.30	0.26		6.15		4.07594	
23	7.314	2.48	2.48	6.9	7.3												2.340	7340	57000	4.3	2490	2030	310								95600				1		6.36852	
24	7.303	2.48	2.48	6.9													2.443	6840	58000	4.2	2410	2050	310								60400						6.62432	
25	4.998	2.48	2.48	6.9													2.057	8060	46000	6.2	2280	1960	300								73000						4.35415	
26	4.523	2.48	2.48														1.527		50000	6.5				300							0						3.8182	
27	4.755	2.48	2.48														1.148		50000	4.2				300							0						3.62397	
28	4.121	2.48	2.48	7.1													0.712	8210	43000	3.6	2140	1750	250								95600						3.24084	
29	3.727	2.48	2.48	7.0													0.730	7650	49000	3.3	2270	1940	300								78300						3.04025	
30	3.570	2.48	2.48	7.0													0.705	7590	48000	3.9	2240	1910	300								60400						3.01031	
31	3.592	2.48	2.48	7.3													0.718	6740	50000	4.0	2040	1710	250														2.95372	
Tot.	153.85	76.88	76.88														42.043														1232900						131.49	
Avg.	4.963	2.48	2.48	7.0	7.2												1.35623	7354.545	51741.94	5.135	2328.6	1944.1	290.6							41096.7	0.30	0.40	1	7.838		4.242		

RESIDENTIAL COMMERCIAL INDUSTRIAL FLOW 47266  
 INDUSTRIAL CBOD 44069  
 TSS 38927  
 Duane V. Wright OPERATOR  
 9053 CERT. NO.

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

502-540-6000  
 PLANT TELEPHONE

Report Selections: Period: 01/01/2019 00:00 thru 01/31/2019 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	80351B-AG	14310 LAKE FOREST DR		CHENOWETH RUN	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3036327		01/04/2019	GRAY JR	BINKLEY	REPAIRED - ISSUE RESOLVED	01/04/2019	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE-WATER S	01/04/19 10:00 PM	

**Discharge Reporting:**

Discharge Amount:	600 GAL
Cause:	STRUCTURAL FAILURE OF FORCE MAIN.
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA.
Control Zone:	TEMPORARY SIGNS HAVE BEEN POSTED.
Impact:	SEWAGE ON THE GROUND.
Repair:	STATION PUMPS TURNED OFF AND STATION HAULED.
Public Notification:	ADVISED CUSTOMER ON SITE.

**Notifications:**

1/5/19 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: 1

Total Work Orders Printed: 1