



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

October 23, 2019

Crystal Dennis  
300 Sower Blvd., 3<sup>rd</sup> Floor  
Frankfort, Kentucky 40601

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

Also, attached is the 3<sup>rd</sup> Quarter Biomonitoring Report.

There were no exceedances, overflows, or bypasses.

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

Sincerely,

William Ford  
Process Supervisor-Operations

WF/ Floyds Fork 09/19.

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 09/01/19 to 09/30/19</b>	<b>DMR Due Date:</b>	<b>10/28/19</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>	Executive Director
<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	=	8									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	=	7.4					=	7.8			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	=	85	=	90	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						=	294	=	400	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						=	14	=	16	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	1	--	Sample	=	10	=	13	26 - lb/d		=	0.4	=	0.5	19 - mg/L	0	01/07 - Weekly	24 - COMP24			
					Permit Req.	<=	54.2 MO AVG	<=	81.3 MX WK AV	26 - lb/d		<=	1 MO AVG	<=	1.5 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24			
					Value NODI																	
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=	8.5	=	9	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	=	3.25	=	3.374	03 - MGD							0	99/99 - Continuous	CN - CONTIN			
					Permit Req.														0	99/99 - Continuous	RE - Record (manual)	
					Value NODI																	
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	2.408	=	2.559	03 - MGD							0	99/99 - Continuous	CN - CONTIN			
					Permit Req.														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	=	85	=	90	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						=	204	=	227	19 - mg/L	0	01/07 - Weekly	CP - COMPOS				
					Permit Req.													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.													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.													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
FF092019_Coverletter.pdf	pdf	30661
FFMOR092019.pdf	pdf	95626

**Report Last Saved By**

**Floyds Fork WQTC MSD**

User: WILLIAM.FORD@LOUISVILLEMSD.ORG  
Name: William Ford  
E-Mail: william.ford@louisvillemsd.org  
Date/Time: 2019-10-23 08:25 (Time Zone: -04:00)

**Report Last Signed By**

User: WILLIAM.FORD@LOUISVILLEMSD.ORG  
Name: William Ford  
E-Mail: william.ford@louisvillemsd.org  
Date/Time: 2019-10-23 08:34 (Time Zone: -04:00)

## 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 07/01/19 to 09/30/19			DMR Due Date:	10/28/19				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:	Executive Director				Telephone:	502-540-6000									
Last Name:	Parrott																		
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			
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:	WILLIAM.FORD@LOUISVILLEMSD.ORG																		
Name:	William Ford																		
E-Mail:	william.ford@louisvillemSD.org																		
Date/Time:	2019-10-23 08:00 (Time Zone: -04:00)																		
Report Last Signed By																			
User:	WILLIAM.FORD@LOUISVILLEMSD.ORG																		
Name:	William Ford																		
E-Mail:	william.ford@louisvillemSD.org																		
Date/Time:	2019-10-23 08:35 (Time Zone: -04:00)																		

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: September 2019  
 KPDES PERMIT NUMBER KY0102784 PLANT CAPACITY 3.5 MGD RECEIVING STREAM FLOYDS FORK

DATE	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 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)	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					GAL/DAY X 1000	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS						WITHDRAWN GALLONS X 1000	
1	3.434	2.48	2.48															0.87		40000	5.8			250		2.56												2.59953
2	3.594	2.48	2.48								190			182			3	0.84		40000	5.8			300		2.73					0.30	0.20		11.6		2.72455		
3	3.409	2.48	2.48	7.2														0.84	7470	55000	6.2	2510	1950	260		2.58			0.87					1		2.57524		
4	3.334	2.48	2.48	7.2														1.13	6200	65000	5.9	2450	1880	290		2.73										2.73276		
5	3.315	2.48	2.48	7.2														0.92	5270	55000	6.0	2450	1840	290		2.48											2.47938	
6	3.213	2.48	2.48	7.2														0.91	7410	55000	4.7	2570	1960	290		2.37											2.37434	
7	3.319	2.48	2.48															0.89		50000	4.0			280		2.43											2.42872	
8	3.496	2.48	2.48								400		3	224			3	0.87		50000	4.2			250		2.55					0.30	0.38		14.1		2.55001		
9	3.346	2.48	2.48	7.2														0.90	7410	53000	3.5	2420	2010	260		2.46			0.98							2.46266		
10	3.329	2.48	2.48	7.3														0.87	8000	47000	3.3	2300	1770	280		2.44										2.443		
11	3.217	2.48	2.48	7.2														0.88	7010	55000	3.0	2340	1960	260		2.39											2.386	
12	3.228	2.48	2.48	7.4														0.90	7210	54000	2.9	2380	1800	290		2.38											2.38378	
13	3.160	2.48	2.48	7.3														0.97	6070	60000	3.5	2240	1760	290		2.32											2.32	
14	3.199	2.48	2.48															0.93		40000	3.4			290		2.35											2.34672	
15	3.280	2.48	2.48								270		3	182			3	0.98		40000	4.6			290		2.45					0.30	0.35		15.8		2.45291		
16	3.253	2.48	2.48	7.2														0.88	6220	64000	4.1	2440	2060	300		2.33			1.22						1	2.32172		
17	3.163	2.48	2.48	7.3														0.95	7120	57000	3.7	2470	2140	300		2.30											2.29849	
18	3.101	2.48	2.48	7.2														0.90	7680	57000	3.5	2660	2230	310		2.29												2.29275
19	3.159	2.48	2.48	7.2														0.88	7210	54000	4.2	2370	1940	300		2.33												2.33402
20	3.217	2.48	2.48	7.2														0.91	6830	54000	3.8	2270	1830	300		2.35												2.3547
21	3.338	2.48	2.48															0.91		40000	3.9			300		2.45											2.44751	
22	3.270	2.48	2.48								315		3	227			3	0.94		40000	4.1			300		2.47					0.30	0.49		14.1		2.46727		
23	3.296	2.48	2.48	7.2														0.88	7270	54000	3.3	2430	2150	350		2.36			1.08								2.35899	
24	3.182	2.48	2.48	7.2														0.94	7280	52000	3.4	2310	1970	340		2.30											2.29577	
25	3.102	2.48	2.48	7.1														0.90	7120	58000	4.0	2440	2070	310		2.28												2.27915
26	3.084	2.48	2.48	7.3														0.89	6920	56000	4.5	2360	1980	300		2.27												2.26803
27	3.030	2.48	2.48	7.2														1.02	6280	55000	4.8	2460	1990	300		2.21												2.2134
28	3.150	2.48	2.48															0.93		40000	3.7			300		2.34											2.3391	
29	3.230	2.48	2.48															0.88		40000	3.4			350		2.40											2.40225	
30	3.185	2.48	2.48	7.2														0.89	6610	63000	4.0	2530	2060	300		2.32												2.31995
31																																						
Tot.	97.63	74.4	74.4															27.37																				
Avg.	3.254	2.48	2.48	7.2							294		3	204			3	0.912	6930	51367	4.173	2420	1968	294.3		2.407			1.0375			0.30	0.36	13.9		72.25		

RESIDENTIAL FLOW \_\_\_\_\_ INDUSTRIAL WASTE POPULATION EQUIVALENT \_\_\_\_\_  
 COMMERCIAL FLOW \_\_\_\_\_ 30994 \_\_\_\_\_ 32530 \_\_\_\_\_ 37966 \_\_\_\_\_  
 INDUSTRIAL FLOW \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_  
 OPERATOR Randolph P. Kustes Jr CERT. NO. 14555

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

502-540-6000  
 PLANT TELEPHONE \_\_\_\_\_