



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

September 25, 2019

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

**RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for August 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 August 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 08/19.

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 08/01/19 to 08/31/19	DMR Due Date:	09/28/19
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	=	7				=	7				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				=	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	=	96	=	104	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						=	318	=	364		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	=	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	=	16	=	31	26 - lb/d	=	0.5	=	1.1		19 - mg/L	0	05/30 - 5 Times Every Month	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	=	9.6	=	10.4	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	=	3.86	=	4.451	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	=	2.775	=	3.305	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	=	96	=	104	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						=	175	=	204		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.

Comments

Attachments

Name	Type	Size
FFMOR082019.pdf	pdf	103141
FFDischargeReport082019.pdf	pdf	62568
FF082019Coverletter.pdf	pdf	34021

Report Last Saved By

Floyds Fork WQTC MSD

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemmsd.org
Date/Time: 2019-09-25 07:53 (Time Zone: -04:00)

Report Last Signed By

User: WILLIAM.FORD@LOUISVILLEMSD.ORG
Name: William Ford
E-Mail: william.ford@louisvillemmsd.org
Date/Time: 2019-09-25 11:08 (Time Zone: -04:00)

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: August 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	WASTE D	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	
																									30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS						% VOLATILE SOLIDS
1	4.167	2.48	2.48	7.4	7.6				7.9		311		3	138		3	0.98	6420	55000		5.8	2180	1630	240	15000	3.09				15000	0.30	0.20				3.08641
2	3.869	2.48	2.48	7.3													1.14	6200	59000		4.0	2250	1770	240		2.79				75600						2.78601
3	3.811	2.48	2.48														0.95		50000		4.4			240		2.43				0						2.73877
4	3.787	2.48	2.48														0.41		50000		4.2			240		2.72				0						2.71964
5	3.861	2.48	2.48	7.3													0.79	7260	50000		3.5	2210	1770	240	2.64		1.73		90600					16	2.6406	
6	3.647	2.48	2.48	7.2													0.87	7000	55000		2.4	2350	1940	240	2.57				90600						2.5662	
7	3.618	2.48	2.48	7.2													0.84	6820	56000		2.8	2320	1800	240	2.57				78000						2.52275	
8	3.568	2.48	2.48	7.3	7.8				7.3		360		3	204		3	0.86	6230	60000		2.8	2290	1800	240	2.53				71700	0.30	1.90				2.52764	
9	3.613	2.48	2.48	7.4													0.93	6010	60000		3.5	2190	1870	240	2.51				90600				1		2.51138	
10	3.574	2.48	2.48														0.95		50000		4.1			250	2.50				0						2.50019	
11	3.630	2.48	2.48														0.97		50000		4.2			240	2.55				0			0.20			2.55319	
12	3.689	2.48	2.48	7.2													0.93	6320	60000		5.1	2270	1820	240	2.50		1.04		95600				12.2		2.50326	
13	3.680	2.48	2.48	7.3													0.57	5820	59000		4.9	2100	1590	240	2.65				90600						2.65283	
14	3.824	2.48	2.48	7.2													0.98	5500	65000		5.0	2190	1610	240	2.79				74300						2.79058	
15	3.668	2.48	2.48	7.1	7.6				7.4		236		3	180		3	0.89	6800	50000		5.4	2100	1560	220	2.52				79300	0.30	0.20				2.51918	
16	3.547	2.48	2.48	7.3													0.98	6220	55000		4.8	2110	1850	200	2.46				95800						2.45747	
17	3.620	2.48	2.48														0.95		40000		4.9			230	2.50				0						2.49908	
18	3.718	2.48	2.48														0.86		40000		4.5			230	2.58				0						2.57943	
19	3.658	2.48	2.48	7.2													0.99	5050	68000		4.9	2110	1790	210	2.48		1.3		89300				13.2		2.47635	
20	3.640	2.48	2.48	7.3													0.92	5230	69000		4.7	2260	1930	240	2.43				89300						2.42561	
21	3.529	2.48	2.48	7.2													0.89	5640	73000		5.0	2510	1950	250	2.40				0						2.40187	
22	3.903	2.48	2.48	7.2	7.6				7.5		364		3	178		3	0.89	7050	59000		4.6	2540	2020	250	2.68				21300	0.30	0.21				2.68146	
23	3.851	2.48	2.48	7.3													0.85	8530	50000		4.8	2630	1990	250	2.63				65400						2.63435	
24	3.767	2.48	2.48														0.91		40000		4.8			250	2.62				0						2.63404	
25	3.867	2.48	2.48														0.89		40000		5.1			250	2.71				0						2.71311	
26	5.112	2.48	2.48	7.3													1.64	7550	55000		5.6	2560	2060	250	4.45		0.84		44100				11.9		4.45192	
27	5.380	2.48	2.48	7.3													1.73	5380	63000		5.8	2050	1600	210	4.13				42800						4.13102	
28	5.279	2.48	2.48	7.3													0.79	7150	56000		6.5	2390	1910	250	3.89				52800						3.88974	
29	3.888	2.48	2.48	7.2													0.87	9050	44000		6.0	2420	1850	260	3.00				57800						3.00179	
30	3.591	2.48	2.48	7.3													0.92	8520	47000		5.5	2430	1970	250	2.75				76700						2.7521	
31	3.563	2.48	2.48														0.71		40000		6.2			250	2.66				0						2.66218	
Tot	3.861	2.48	2.48	7.3	7.7				7.5		318		3	175		3	0.93	6625	53774.2		4.7	2294	1822	239	2.77				1E+06	0.30	0.54				86.01	
Avg.	3.861	2.48	2.48	7.3	7.7				7.5		318		3	175		3	0.93	6625	53774.2		4.7	2294	1822	239	2.77		1.23		47968	0.30	0.54				2.775	

RESIDENTIAL FLOW 36775 INDUSTRIAL WASTE POPULATION EQUIVALENT 33151 48727 TSS
 COMMERCIAL FLOW 0 INDUSTRIAL FLOW 0
 OPERATOR Randolph P. Kustes CERT. NO. #####
 PLANT TELEPHONE 502-540-6000

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



Report Selections: Period: 08/01/2019 00:00 thru 08/31/2019 23:59, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV, DISSUS

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
: DISDW: DRY WEATHER DISCHARGE	3148100		08/30/2019	ROTTET JR	PAULEY	REPAIRED - ISSUE RESOLVED	01/04/2019	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE-WATER S	08/30/19 11:41 AM	MAIN

Discharge Reporting:

Discharge Amount:	25 GAL
Cause:	STRUCTURAL FAILURE OF FORCE MAIN.
Clean Up:	WE CLEANED AND SANITIZED THE IMPACTED AREA.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE ON GROUND AND NEARBY CREEK.
Repair:	DERBY CITY ENVIROMENTAL HAULED STATION (WO# 3148105) WHILE CHEROKEE CONSTRUCTION REPAIRED FORCE MAIN (WO# 3148102).
Public Notification:	TEMPORARY SIGNS AROUND IMPACTED AREA. DRY WEATHER DISCHARGE PAGE SENT OUT TO UPDATE MSDNET.

Notifications:

8/30/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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