msd
Safe, clean waterways

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

November 17, 2018

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

RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for October 2018.

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 October 2018.

There were no exceedances, overflows, or bypasses to report.

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 10/18.

Cc: V. Teague
R. Shaw

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:**	**001-1** MUNICIPAL DISCHARGE		
Report Dates & Status					
Monitoring Period:	**From 10/01/18 to 10/31/18**	**DMR Due Date:**	**11/28/18**	**Status:**	**NetDMR Validated**
Considerations for Form Completion					
Principal Executive Officer					
First Name:	James A.	**Title:**	Executive Director	**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			
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample						=	7.4					19 - mg/L		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						=	7.2			=	7.4	12 - SU		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	=	92	=	109	26 - lb/d			=	3	=	3	19 - mg/L		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								=	255	=	292	19 - mg/L		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								=	5	=	9	19 - mg/L		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	=	6	=	7	26 - lb/d			=	0.2	=	0.2	19 - mg/L		01/07 - Weekly	CP - COMPOS
					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	=	9.2	=	10.9	26 - lb/d			=	0.3	=	0.3	19 - mg/L		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	=	3.32	=	3.45	03 - MGD									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	=	2.829	=	3.001	03 - MGD									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		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	=	70	=	109	26 - lb/d			=	2	=	3	19 - mg/L		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								=	203	=	228	19 - mg/L		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 - %		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 - %		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
FFCoverletter102018.pdf	pdf	28287
FFMOR102018.pdf	pdf	81778

Report Last Saved By

Floyds Fork WQTC MSD

User:	kevin.thompson@louisvillemsd.org
Name:	Kevin Thompson
E-Mail:	kevin.thompson@louisvillemsd.org
Date/Time:	2018-11-26 09:13 (Time Zone: -05:00)

Report Last Signed By

User:	WILLIAM.FORD@LOUISVILLEMSD.ORG
Name:	William Ford
E-Mail:	william.ford@louisvillemsd.org
Date/Time:	2018-11-26 09:13 (Time Zone: -05:00)

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: October 2018

KPDES PERMIT NUMBER KY0102784 PLANT CAPACITY 3.5 MGD RECEIVING STREAM FLOYDS FORK

		RAW SEWAGE		pH		SETTLEABLE SOLIDS (mg/L)			DISSOLVED OXYGEN (mg/L)			SUSPENDED SOLIDS (mg/L)			5 DAY CBOD (mg/L)			ACTIVATED SLUDGE			AERATION BASIN				SLUDGE HANDLING						FINAL				
																		RETURN		WASTED				SETTLED SLUDGE VOLUME	RAW			HAULED								
DATE	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 x1000	GAL/DAY X 1000	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) X 1000	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	Total Nitrogen	TOTAL FLOW (MILLION GALLONS)
1	4.348	2.48	2.48	7.2	7.4					7.4		246		3	189		3	0.70	8520	60000	3.8	2600	1990	300		3.60			1.34		94500	0.30	0.20		0.68	3.59725
2	3.529	2.48	2.48	7.4														0.70	8470	50000	2.6	2020	1590	250		3.13					74000			1		3.1344
3	3.400	2.48	2.48	7.3														0.75	5790	42000	3.7	2380	1900	300		3.00					63500					3.0048
4	3.345	2.48	2.48	6.9														0.80	6140	36000	4.3	2210	1670	300		2.91					55100					2.90905
5	3.197	2.48	2.48	7.2														0.69	7510	33000	3.5	2470	2070	300		2.79					37000					2.78878
6	3.199	2.48	2.48															0.74		30000	3.3			300		2.79					0					2.79374
7	3.163	2.48	2.48															0.81		30000	3.6			300		2.78					0					2.77896
8	3.166	2.48	2.48	7.1	7.3					7.4		262		3	211		2	0.79	7920	30000	2.6	2510	1880	300		2.66			1.72		85300	0.30	0.20		0.54	2.6552
9	3.067	2.48	2.48	7.1														0.76	6310	40000	2.9	2540	1900	300		2.68					80300			1		2.68075
10	3.201	2.48	2.48	7.4														0.76	6670	38000	3.5	2570	1930	310		2.68					63300					2.67542
11	3.088	2.48	2.48	7.2														0.76	6750	37000	3.2	2480	1860	300		2.68					62800					2.68025
12	2.937	2.48	2.48	7.1														8.03	7420	32000	4.4	2380	1830	310		2.54					52800					2.53654
13	3.217	2.48	2.48															0.78		30000	3.2			300		2.73					0					2.72838
14	3.653	2.48	2.48															0.74		30000	3.3			300		3.08					0					3.07869
15	4.133	2.48	2.48		7.3					7.4		292		3	228		2	0.75	8780	30000	3.3	2520	1920	300		3.50			1.29		81300	0.30	0.20		8.2	3.49657
16	3.624	2.48	2.48	7.1														0.43	8940	25000	3.5	2110	1820	300		3.16					65100			1		3.16245
17	3.268	2.48	2.48	6.9														0.22	7050	37000	3.8	2550	2120	350		2.86					33000					2.8551
18	3.141	2.48	2.48	7.0														0.45	6270	45000	4.0	2750	2070	350		2.70					64500					2.70193
19	3.027	2.48	2.48	7.0														0.13	6520	30000	3.8	2090	1590	350		2.58					64500					2.58418
20	3.364	2.48	2.48															0.23		30000	3.9			320		2.90					0					2.89887
21	3.236	2.48	2.48															0.21		30000	4.1			310		2.82					0					2.81807
22	3.083	2.48	2.48	6.9	7.2					7.6		218		3	183		2	0.20	5180	60000	4.3	3170	2140	400		2.67			1.27		99200	0.30	0.20		9.09	2.6651
23	3.035	2.48	2.48	7.0														0.70	7600	30000	4.2	2320	2080	390		2.58					65900			1		2.57859
24	2.959	2.48	2.48	7.0														0.79	6630	40000	4.0	2590	2060	350		2.50					33100					2.4993
25	3.005	2.48	2.48	7.1														0.79	8230	33000	3.8	2710	2110	350		2.48					57800					2.47502
26	3.289	2.48	2.48	7.0														0.73	7220	60000	4.1	2620	2080	350		2.70					57800					2.69665
27	3.534	2.48	2.48															0.79		50000	4.4			330		3.00					0					2.99648
28	3.354	2.48	2.48															0.77		50000	4.2			350		2.80					0					2.80393
29	3.119	2.48	2.48	7.1														0.77	7240	56000	3.9	2490	1920	320		2.61					51500					2.61153
30	3.043	2.48	2.48	7.0														0.66	7460	55000	4.3	2530	1980	300		2.46					71700					2.45582
31	4.111	2.48	2.48	7.1														0.93	8500	51000	3.8	2650	2080	300		3.37					69500					3.36726
Tot.	######	76.88	76.88															27.35								87.7					1483500					87.71
Avg.	3.317	2.48	2.48	7.1	7.3					7.5		255		3	203		2	0.882	7266	39677	3.719	2490	1939	319		2.829			1.405		47854.8	0.30	0.20	1	4.628	2.829

RESIDENTIAL

COMMERCIAL

INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

31592	32995	33528
FLOW	CBOD	TSS

Randolph P. Kustes Jr. — OPERATOR

14555 — CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-540-6000 — PLANT TELEPHONE