msd
Safe, clean waterways

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

May 23, 2019

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

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

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Floyds Fork WQTC, for the month of April 2019.

There were no exceedances, overflows or bypasses.

If you have any questions concerning the attached DMR's, please contact me at (502)587-5858.

Sincerely,

Staci Huber
Process Supervisor

SH/ Floyds Fork 04/19.

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 04/01/19 to 04/30/19**	**DMR Due Date:**	**05/28/19**	**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						=	10					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						=	7.4			=	7.8	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	=	109	=	160	26 - lb/d			=	2	=	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								=	304	=	510	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								=	9	=	13	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	2	--	Sample	=	45	=	80	26 - lb/d			=	0.9	=	1.5	19 - mg/L		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	=	14	=	16	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			<=	.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	=	5.46	=	6.908	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	=	4.512	=	6.046	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	=	140	=	160	26 - lb/d			=	3	=	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								=	139	=	163	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						=	98					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
042019_FF_Coverletter.pdf	pdf	42034
042019_FF_MOR.pdf	pdf	86977

Report Last Saved By

Floyds Fork WQTC MSD

User:	staci.huber@louisvillemsd.org
Name:	Staci Huber
E-Mail:	staci.huber@louisvillemsd.org
Date/Time:	2019-05-23 10:51 (Time Zone: -04:00)

Report Last Signed By

User:	staci.huber@louisvillemsd.org
Name:	Staci Huber
E-Mail:	staci.huber@louisvillemsd.org
Date/Time:	2019-05-23 12:24 (Time Zone: -04:00)

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: April 2019

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

DATE	TOTAL FLOW (MILLION GALLONS)	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				
		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	RETURN MLSS X1000	WASTED GAL/DAY X 1000	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME 30 MIN.	SETTLED SLUDGE VOLUME 60 MIN.	RAW GALLONS X 1000	RAW % DRY SOLIDS	RAW % VOLATILE SOLIDS	HAULED % DRY SOLIDS	HAULED % VOLATILE SOLIDS	HAULED WITHDRAWN GALLONS X 1000	PHOSPHORUS, TOTAL (mg/L)	NH3-N (mg/L)	ECOLI	Total Nitrogen	TOTAL FLOW (MILLION GALLONS)
1	4.742	2.48	2.48	7.1								252		1	162		3	0.798	8540	42000	6.0	2180	1890	260		3.87			1.71		83000	0.30	0.27		9.99	3.86578
2	4.407	2.48	2.48	7.3														0.761	7250	48000	6.3	2150	1810	280		3.38					90600			1		3.37522
3	3.915	2.48	2.48	7.4	7.5					9.7								0.738	7270	52000	6.4	2300	1860	270		3.10					78000					3.09645
4	3.831	2.48	2.48	7.5														0.741	7200	51000	6.2	2240	1880	250		2.93					78000					2.93274
5	4.212	2.48	2.48	7.3														0.761	7530	46000	5.6	2130	1740	260		3.22					74300					3.22522
6	4.035	2.48	2.48															0.777		40000	5.8			250		3.11					0					3.11904
7	5.459	2.48	2.48															0.758		40000	4.5			250		4.36					0					4.3645
8	5.294	2.48	2.48	7.4								260		2	104		3	0.781	8260	42000	5.0	2100	1660	250		4.30			1.6		78000	0.30	1.40		12.5	4.29742
9	4.524	2.48	2.48	7.2														0.688	7930	47000	5.1	2260	1890	260		3.69					76700			1		3.69012
10	4.185	2.48	2.48	7.4	7.4					9.8								0.731	6650	53000	5.2	2160	1730	250		3.33					84300					3.33413
11	4.041	2.48	2.48	7.5														0.761	6700	55000	4.7	2260	1820	250		3.14					40200					3.14329
12	3.929	2.48	2.48	7.3														0.717	8000	45000	4.8	2160	1860	240		3.06					73000					3.05764
13	3.872	2.48	2.48															0.753		40000	4.8			240		2.98					0					2.98285
14	6.877	2.48	2.48															1.466		40000	5.0			260		6.36					0					6.3548
15	5.916	2.48	2.48	7.4								193		3	126		3	1.043	7710	48000	5.2	2270	1880	250		4.48			1.37		89300	0.30	0.57		9.78	4.4767
16	4.632	2.48	2.48	7.4														0.742	8890	41000	5.6	2220	1820	250		3.92					78000			1		3.91817
17	4.523	2.48	2.48	7.2	7.7					10.0								0.701	8120	42000	6.0	2110	1760	250		3.43					73000					3.42581
18	4.151	2.48	2.48	7.4														0.723	7300	51000	4.2	2260	1810	250		3.22					84300					3.21899
19	5.937	2.48	2.48	7.3														1.457	7290	50000	4.6	2240	1800	250		5.33					69300					5.2361
20	#####	2.48	2.48															2.411		50000	3.9			230		14.39					0					14.38827
21	8.461	2.48	2.48															1.211		50000	4.1			230		8.46					0					7.65595
22	6.378	2.48	2.48	7.4								510		3	163		3	0.480	5470	61000	6.0	2050	1640	250		5.32			1.39		89300	0.30	1.50		5.61	5.3193
23	5.687	2.48	2.48	7.3														0.990	6990	51000	7.1	2190	1750	250		4.40					73000			1		4.39668
24	5.221	2.48	2.48	7.3	7.8					9.6								1.000	7390	62000	5.8	2790	2470	250		4.31					83000					4.30731
25	6.486	2.48	2.48	7.4														1.000	8230	46000	6.2	2330	1860	260		5.42					84300					5.41844
26	7.496	2.48	2.48	7.2														1.000	8340	48000	6.0	2430	1950	280		6.51					79300					6.50586
27	5.845	2.48	2.48															1.000		50000	4.2			270		4.87					0					4.86707
28	5.230	2.48	2.48															1.000		50000	5.8			270		4.26					0					4.26274
29	5.360	2.48	2.48	7.2														0.667	5810	68000	4.7	2400	2150	300		3.72					60400					3.71626
30	4.370	2.48	2.48	7.3														0.998	7990	48000	4.6	2370	1900	300		3.40					31500					3.39857
31																																				
Tot.	#####	74.4	74.4															27.654																		
Avg.	5.458	2.48	2.48	7.3	7.6					9.8		304		2	139		3	0.9218	7494	48567	5.313	2255	1861	257		136.226					2E+06					135.35
																										4.540867			1.518		55027	0.30	0.94	1	9.47	4.512

RESIDENTIAL
COMMERCIAL
INDUSTRIAL 0

INDUSTRIAL WASTE POPULATION EQUIVALENT

FLOW	CBOD	TSS
51984	37154	65845

Randolph P. Kustes Jr. — OPERATOR

14555 — CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-540-6000 — PLANT TELEPHONE