



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

April 24, 2018

Cheryl Edwards
300 Sower Blvd., 3rd Floor
Frankfort, Kentucky 40601

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

Dear Ms. Edwards:

Attached is the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Floyds Fork Water Quality Treatment Center, for the month of March 2018.

Also, attached is the 1st 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 03/18.

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 03/01/18 to 03/31/18	DMR Due Date:	04/28/18
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	=	9				=	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	=	7.4				=	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	=	94	=	113	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						=	123	=	196	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						=	10	=	15	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	=	9	=	12	26 - lb/d	=	0.3	=	0.4	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	=	9.4	=	11.3	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	<=	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	=	4.31	=	5.504	03 - MGD							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	=	4.2	=	5.448	03 - MGD							99/99 - Continuous	CN - CONTIN				
					Permit Req.													0	99/99 - Continuous	RE - Record (manual)		
					Value NODI																	
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	6	=	13	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	=	63	=	75	26 - lb/d	=	2	=	2	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						=	155	=	188	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						=	98			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
FF_DMRCoverletter.pdf	pdf	67028
FFMOR032018.pdf	pdf	67377

Report Last Saved By

Floyds Fork WQTC MSD

User: staci.huber@louisvillemsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemsd.org
Date/Time: 2018-04-24 12:57 (Time Zone: -04:00)

Report Last Signed By

User: WILLIAM.FORD@LOUISVILLEMSD.ORG
Name: William Ford
E-Mail: william.ford@louisvillemsd.org
Date/Time: 2018-04-24 12:57 (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 01/01/18 to 03/31/18			DMR Due Date:	04/28/18				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	--											<	1	2G - tox chronic	01/90 - Quarterly	24 - COMP24
															<=	1 MAXIMUM	2G - tox chronic	01/90 - Quarterly	24 - COMP24
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		
					FF_DMRCoverletter.pdf						pdf						67028		
Report Last Saved By																			
Floyds Fork WQTC MSD																			
User:	WILLIAM.FORD@LOUISVILLEMSD.ORG																		
Name:	William Ford																		
E-Mail:	william.ford@louisvillemSD.org																		
Date/Time:	2018-04-24 12:59 (Time Zone: -04:00)																		
Report Last Signed By																			
User:	WILLIAM.FORD@LOUISVILLEMSD.ORG																		
Name:	William Ford																		
E-Mail:	william.ford@louisvillemSD.org																		
Date/Time:	2018-04-24 12:59 (Time Zone: -04:00)																		

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: March 2018
 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	WAST EP	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	4.31	2.48	2.48	6.9	7.6								100				0.862	8370	50000		6.3	2770	2210	320	60	4.23															
2	3.76	2.48	2.48	6.8													1.560	7010	50000		6.0	2500	2100	280	60	3.90										13					
3	3.64	2.48	2.48														1.420		40000		6.4			270	60	3.67															
4	3.53	2.48	2.48														1.412		40000		5.9			280	60	3.56															
5	3.31	2.48	2.48	7.0													1.278	6070	75000		3.9	2810	2120	340	60	3.33										10.86					
6	3.19	2.48	2.48	7.2													1.137	7420	58000		3.8	2660	2340	350	60	3.13															
7	3.08	2.48	2.48	7.3													1.039	6680	58000		3.3	2400	1830	320	60	2.95															
8	2.99	2.48	2.48	7.3	7.8							135				0.902	6600	62000		4.4	2510	1930	300	60	2.84								0.30	0.44							
9	2.83	2.48	2.48	7.2													0.872	6790	58000		3.9	2140	1630	310	60	2.76											13				
10	4.45	2.48	2.48														0.467		50000		4.5			300	60	4.29											13				
11	3.80	2.48	2.48														1.198		50000		4.1			310	60	3.74															
12	4.44	2.48	2.48	7.1													0.677	7610	54000		4.6	2520	1980	300	60	4.14											9.51				
13	3.55	2.48	2.48	6.9													0.718	7490	55000		4.3	2490	1990	300	60	3.42															
14	3.31	2.48	2.48	7.0													0.722	8300	44000		4.8	2280	1800	300	60	3.28															
15	3.22	2.48	2.48	7.3	7.4							196					0.890	8810	40000		4.6	2170	1710	260	60	3.15								0.30	0.20						
16	3.10	2.48	2.48	7.2													0.777	7420	49000		4.9	2210	1820	300	60	2.99												3			
17	3.18	2.48	2.48														0.724		45000		4.7			300	60	3.20															
18	3.12	2.48	2.48														0.674		50000		4.8			250	60	2.46															
19	3.03	2.48	2.48	7.2													0.721	6870	48000		4.2	2000	1560	250	60	2.64												15.12			
20	3.95	2.48	2.48	7.3													0.660	9300	45000		4.4	2600	2290	250	60	3.74															
21	4.56	2.48	2.48	7.2													0.754	9890	35000		5.7	2140	1670	230	60	4.36															
22	4.52	2.48	2.48	7.3	7.4							61				0.644	9600	34000		5.8	2000	1560	240	60	4.43										0.30	0.32					
23	4.38	2.48	2.48	7.2													0.868	9150	40000		6.0	2100	1670	220	60	4.31												2			
24	7.10	2.48	2.48	7.1													1.474	7500	40000		5.5	2190	1770	240	60	7.45															
25	7.55	2.48	2.48	7.0													1.461	8500	40000		4.0	2120	1750	230	60	7.53															
26	5.07	2.48	2.48	7.1													1.453	7830	49000		5.2	2340	1860	250	60	4.93												5.92			
27	4.44	2.48	2.48	7.3													1.480	6430	60000		5.4	2390	1940	250	60	4.26															
28	5.47	2.48	2.48	7.3													1.464	7580	50000		4.3	2350	1910	250	60	5.23															
29	6.59	2.48	2.48	7.2													1.462	8020	55000		4.5	2690	2130	210	60	6.23															
30	8.58	2.48	2.48	7.2													1.586	7420	57000		5.2	2590	2070	220	60	8.46															
31	5.70	2.48	2.48														1.366		50000		4.9			250	60	5.64															
Tot.	74.40	76.88	76.88														32.722																								
Avg.	2.480	2.48	2.48	7.2	7.5							123					1.0556	7694	49387.1		4.848	2374	1902	273.5	60	4.207								1.6775			0.30	0.29	6	10.35	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
23619 FLOW
16828 CBOD
12114 TSS

Randolph P. Kustes Jr.
OPERATOR

14555
CERT. NO.

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

502-640-6000
PLANT TELEPHONE