



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

April 11, 2016

Cheryl Edwards
DMR Coordinator
200 Fair Oaks Lane
Frankfort, Kentucky 40601

**RE: Floyds Fork WQTC, KPDES No: KY0102784
 Discharge Monitoring Report for March 2016.**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Floyds Fork WQTC for the month of March 2016.

There were no exceedances, overflows or bypasses to report.

Biomonitoring report is attached.

If you have any questions concerning the attached DMR's, please contact me at (502) 715-2789

Sincerely,

Staci Huber
Process Supervisor

SMH/ Floyds Fork 3/16

Enclosures

cc: T. Singleton
 R. Shaw

DMR Copy of Record

Permit

Permit #:

KY0102784

Major:

Yes

Permittee:

FLOYDS FORK WQTC MSD

Permittee Address:

1100 BLUE HERRON RD
LOUISVILLE, KY 40245

Facility:

FLOYDS FORK WQTC MSD

Facility Location:

1100 BLUE HERRON RD
LOUISVILLE, KY 40245

Permitted Feature:

001
External Outfall

Discharge:

001-1
MUNICIPAL DISCHARGE

Report Dates & Status

Monitoring Period:

From 03/01/16 to 03/31/16

DMR Due Date:

04/28/16

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

James A.

Last Name:

Parrott

Title:

Executive Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI:

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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					=	9					19 - mg/L	0	01/01 - Daily	GR - GRAB	
					Permit Req.					>=	7 INST MIN					19 - mg/L		01/07 - Weekly	GR - GRAB	
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample					=	7.7			=	8	12 - SU	0	01/01 - Daily	GR - GRAB	
					Permit Req.					>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU		01/07 - Weekly	GR - GRAB	
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	89	=	96	26 - lb/d			=	3	=	4	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	1626 MO AVG	<=	2439 MX WK AV	26 - lb/d			<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L		01/07 - Weekly	24 - COMP24
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample							=	609	=	981	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.								Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/07 - Weekly	24 - COMP24	
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample							=	10	=	12	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.								Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/07 - Weekly	24 - COMP24	
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	19	=	24	26 - lb/d			=	0.7	=	1	19 - mg/L	0	03/07 - Three Per Week	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		01/07 - Weekly	24 - COMP24
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=	10.6	=	12.8	26 - lb/d			=	0.4	=	0.4	19 - mg/L	0	03/07 - Three Per Week	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		01/07 - Weekly	24 - COMP24
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	3.64	=	4.658	03 - MGD							0	99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD								99/99 - Continuous	RE - Record (manual)	
					Value NODI															
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	3.646	=	4.764	03 - MGD							0	99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD								99/99 - Continuous	RE - Record (manual)	
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample							=	2	=	19	13 - #/100mL	0	03/07 - Three Per Week	GR - GRAB	
					Permit Req.							<=	130 30DA GEO	<=	240 7 DA GEO	13 - #/100mL		01/07 - Weekly	GR - GRAB	
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	85	=	96	26 - lb/d			=	3	=	3	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	325 MO AVG	<=	488 MX WK AV	26 - lb/d			<=	6 MO AVG	<=	9 MX WK AV	19 - mg/L		01/07 - Weekly	24 - COMP24
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample							=	231	=	360	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.								Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		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	03/07 - Three Per Week	CA - CALCTD	
					Permit Req.					>=	85 MO AV MN					23 - %		01/30 - Monthly	CA - CALCTD	
					Value NODI															
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample					=	99					23 - %	0	03/07 - Three Per Week	CA - CALCTD	
					Permit Req.					>=	85 MO AV MN					23 - %		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
201603_FloydsFork_coverletter.pdf	pdf	124659
201603_FloydsFork_MOR.pdf	pdf	1082187
Report Last Saved By		
FLOYDS FORK WQTC MSD		
User:	staci.huber@louisvillemsd.org	Date/Time: 2016-04-15 13:05 (Time Zone: -04:00)
Name:	Staci Huber	
E-Mail:	staci.huber@louisvillemsd.org	

DMR Copy of Record

Permit

Permit #:

KY0102784

Major:

Yes

Permitted Feature:

001
External Outfall

Permittee:

FLOYDS FORK WQTC MSD

Permittee Address:

1100 BLUE HERRON RD
LOUISVILLE, KY 40245

Discharge:

001-2
TOXICITY

Facility:

FLOYDS FORK WQTC MSD

Facility Location:

1100 BLUE HERRON RD
LOUISVILLE, KY 40245

Report Dates & Status

Monitoring Period:

From 01/01/16 to 03/31/16

DMR Due Date:

04/28/16

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.

Last Name:

Parrott

Title:

Executive Director

Telephone:

502-540-6000

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				
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	0	01/90 - Quarterly	24 - COMP24		
					Value NODI																

Submission Note

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Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

FLOYDS FORK WQTC MSD

User:

kevin.ries@louisvillemsd.org

Date/Time:

2016-04-15 12:39 (Time Zone: -04:00)

Name:

Kevin Ries

E-Mail:

kevin.ries@louisvillemsd.org

NAME OF TREATMENT PLANT FLOYDS FORK
KPDES PERMIT NUMBER KY0102784

COUNTY JEFFERSON
PLANT CAPACITY 3.5 MGD

MONTH OF: March 2016
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			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	RETURN		WASTE P	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			
																		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	3.566	2.48	2.48	7.4	7.8						576		3	323		2	1.855	8130	43000	3.6	2110	1770	200							49200	0.30	1.00				3.52173	
2	3.493	2.48	2.48	7.5	7.7						768		3	274		3	0.994	7330	50000	4.1	2200	1870	200						1.2		106200	0.38	0.50	1	7.73	3.61421	
3	3.390	2.48	2.48	7.4	8.0						58		3	46		3	0.951	8250	43000	3.8	2140	1800	210		3.36						82000	0.30	0.39	1			3.36351
4	3.245	2.48	2.48	7.5	8.0													0.994	7600	50000	3.9	2290	1880	240		3.28					69300				1		3.2778
5	3.281	2.48	2.48	7.4	8.0													0.955	7170	40000	4.0	2260	1860	220		3.25					0					3.24552	
6	3.207	2.48	2.48	7.3	7.8													1.000	6990	40000	4.1	2180	2160	220		3.28					0					3.27693	
7	3.048	2.48	2.48	7.3	7.7													1.000	7350	50000	3.6	2210	1910	220		3.01					31500						3.20961
8	2.833	2.48	2.48	7.4	7.8						452		3	186		3	1.000	7430	50000	3.3	2190	1870	220		2.87						31500	0.59	0.67				2.86513
9	3.067	2.48	2.48	7.5	7.7						494		3	189		3	0.900	7200	48000	3.0	2140	1780	210		2.93			1.466			31500	0.42	1.40	9	11.35	2.93165	
10	4.387	2.48	2.48	7.5	7.9						330		3	87		3	1.000	7910	45000	4.0	2200	1830	230		5.33						31500	0.30	0.56	1			5.32618
11	6.445	2.48	2.48	7.4	7.8													1.895	8440	50000	4.6	2490	2110	240		6.60					31500				727		6.60312
12	4.652	2.48	2.48	7.4	7.8													1.285	8360	40000	4.0	2240	1920	230		4.68					0					4.67933	
13	6.301	2.48	2.48	7.3	7.8													0.989	8160	40000	4.4	2340	1950	240		6.16					0						6.15455
14	4.924	2.48	2.48	7.3	7.9													1.293	7530	55000	4.0	2540	2090	250		4.79					31500						4.78636
15	4.205	2.48	2.48	7.5	7.7						920		3	290		3	1.170	8420	48000	4.2	2410	2030	240		4.08			1.26			69300	0.31	0.45				4.07985
16	3.922	2.48	2.48	7.5	7.8						1080		3	688		3	1.699	7010	53000	3.2	2300	2000	250		3.73						69300	0.48	0.28	1	9.53		3.72656
17	3.346	2.48	2.48	7.5	7.8						944		3	101		3	2.133	7690	48000	3.0	2240	1850	250		3.41						69300	0.43	0.34	1			3.41072
18	3.045	2.48	2.48	7.5	7.7													2.421	6900	58000	3.2	2430	1990	230		3.13					31500				1		3.12853
19	3.210	2.48	2.48	7.5	7.8													2.165	7240	50000	3.1	2340	2010	240		3.16					0						3.15719
20	3.132	2.48	2.48	7.5	7.8													2.181	7150	50000	3.4	2300	1920	240		3.15					0						3.15303
21	2.914	2.48	2.48	7.4	7.7													2.209	7010	57000	3.0	2420	2000	250		2.95					106200						2.94587
22	2.887	2.48	2.48	7.4	7.7						704		4	257		4	2.238	7680	50000	2.8	2340	1880	250		2.89			1.265			56700	0.42	1.80		11.86		2.88258
23	2.834	2.48	2.48	7.4	7.8						176		4	115		3	2.143	7050	59000	2.9	2530	2030	250		2.75						60000	0.30	0.90	6			2.75013
24	3.057	2.48	2.48	7.4	7.7						800		3	218		3	2.193	7270	56000	3.3	2490	2090	260		2.91						63000	0.30	0.28	1			2.9105
25	3.214	2.48	2.48	7.4	7.7													2.220	8070	50000	3.4	2420	1940	250		3.19					44100			1			3.19178
26	2.958	2.48	2.48	7.4	7.9						10.0							2.230	6210	50000	4.9	2680	2110	260		2.98					12600						2.98356
27	2.990	2.48	2.48	7.3	7.9						9.4							2.189	7950	50000	3.5	2720	2130	260		2.91					0						2.91373
28	4.186	2.48	2.48	7.6	7.8						9.6							2.230	8380	52000	3.2	2640	2050	250		4.15					50400						4.14721
29	3.393	2.48	2.48	7.5	7.8						9.2							2.295	8340	57000	5.9	2910	2330	260		3.43					62100						3.42986
30	3.394	2.48	2.48	7.5	7.8						9.4							1.266	7440	64000	3.5	2910	2210	250		3.40					43200						3.40017
31	4.359	2.48	2.48	7.5	7.7						9.4							4.437	9640	50000	3.0	2950	2220	250							93000						4.15127
Tot.	#####	71.92	76.88															53.53																			
Avg.	3.642	2.48	2.48	7.4	7.8						9.5		609		3	231		3	1.7268	7655	49871	3.674	2405	1987	237.7		3.634			1.298	42787.097	0.38	0.71	2	10.12		3.646

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
34681
FLOW

41298
CBOD

88001
TSS

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