



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

August 15, 2016

Ms. Cheryl Edwards
Kentucky Division of Water
300 Sower Blvd., 3rd Floor
Frankfort, Kentucky 40601

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

Dear Ms. Edwards:

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

There were no exceedances or bypasses to report.

Also attached is an Overflow report.

If you have any questions concerning the attached DMR's, please contact me at (502) 239-7574.

Sincerely,



Kevin Thompson
Process Supervisor Central Region

KLT/Cedar Creek 07.16.doc

Enclosures

cc: T. Singleton
 R. Shaw

DMR Copy of Record

Permit

Permit #:

KY0102784

Major:

Yes

Permittee:

Floyds Fork WQTC MSD

Permittee Address:

700 W Liberty St
Louisville, KY 40203

Facility:

FLOYDS FORK WQTC MSD

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 07/01/16 to 07/31/16

DMR Due Date:

08/28/16

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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Code	Parameter	Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
	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					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						=	7.5			=	8.1	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	=	78	=	103	26 - lb/d			=	3	=	3	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								=	534	=	573	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	=	11	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	1	--	Sample	=	11	=	22	26 - lb/d			=	0.4	=	0.6	19 - mg/L	0	03/07 - Three Per Week	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		01/07 - Weekly	24 - COMP24
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=	7.8	=	10.3	26 - lb/d			=	0.3	=	0.3	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	=	3.16	=	3.256	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	=	3.082	=	3.128	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								=	4	=	15	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	=	93	=	179	26 - lb/d			=	3	=	5	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								=	270	=	309	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	01/30 - Monthly	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	01/30 - Monthly	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
2016_07_FFWQTC_Coverletter.pdf	pdf	365692
2016_07_FFWQTC_MOR.pdf	pdf	1124847
2016_07_FFWQTC_OverflowReport.pdf	pdf	96533

Report Last Saved By

Floyds Fork WQTC MSD

User:	kevin.thompson@louisvillemsd.org	Date/Time:	2016-08-18 14:40 (Time Zone: -04:00)
Name:	Kevin Thompson		
E-Mail:	kevin.thompson@louisvillemsd.org		

NAME OF TREATMENT PLANT FLOYDS FORK
 KPDES PERMIT NUMBER KY0102784

COUNTY JEFFERSON
 PLANT CAPACITY 3.5 MGD

MONTH OF: July 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	GAL/DAY X 1000	MLSS X 1000	GAL/DAY X 1000	WASTE D	DISOLVED 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	WITHDRAWN GALLONS X 1000						
1	2.360	2.48	2.48	7.1	8.0						7.9							0.541	7550	49000	2.8	2280	1780	220		2.16					25600						2.161	
2	2.330	2.48	2.48	7.0	8.0						7.9							0.557	7870	49000	2.9	2380	1830	220		2.13					0						2.134	
3	2.810	2.48	2.48	7.1	8.1						7.8							0.626	7710	50000	2.8	2410	1900	230		2.50					0						2.48	
4	5.030	2.48	2.48	7.1	8.0						7.9		573		3	241		7	0.673	7920	50000	3.0	2430	1910	230		4.83					26000	0.30	1.30				4.834
5	3.930	2.48	2.48	7.3	7.9						7.9		785		3	291		4	0.762	9840	38000	4.8	2270	2000	220		3.94					82500	0.30	0.20	14	8.53	3.943	
6	3.360	2.48	2.48	12.0	8.0						7.9		97		3	133		4	0.734	9120	44000	4.8	2430	1860	250		3.25				1.53	64000	0.30	0.20	1		3.251	
7	2.970	2.48	2.48	9.3	8.0						7.5							0.709	8570	44000	4.2	2300	1800	250		3.09					101800			2		3.095		
8	3.050	2.48	2.48	7.3	8.0						7.3							0.567	9340	44000	4.0	2530	1900	250		2.91					57500					2.906		
9	2.940	2.48	2.48	7.0	8.0						7.7							0.635	7300	50000	3.8	2410	1910	250		2.85					0					2.845		
10	2.760	2.48	2.48	7.1	8.1						8.0		583		3	261		3	0.673	7440	50000	3.9	2410	1880	250		2.66					0	0.30	0.20			2.663	
11	2.660	2.48	2.48	7.2	7.7						7.9		560		3	186		2	0.588	7200	53000	3.6	2340	1820	250		2.56					25500	0.30	0.06	1	9.97	2.56	
12	3.410	2.48	2.48	7.2	7.9						7.5		576		3	304		3	0.691	6710	59000	3.2	2440	1880	250		3.23				1.4	105300	0.30	0.78	3		3.227	
13	3.320	2.48	2.48	7.3	7.8						7.4							0.685	7720	50000	2.8	2300	1810	250		3.19					87600			1		3.189		
14	2.920	2.48	2.48	7.3	7.9						7.5							0.644	7520	51000	4.2	2350	1830	250		2.79					69000					2.787		
15	2.720	2.48	2.48	7.2	8.0						7.6							0.677	6570	56000	3.8	2260	1690	250		2.64					62700					2.64		
16	2.660	2.48	2.48	7.2	7.9						7.8							0.695	6500	50000	4.0	2410	1960	250		2.60					0					2.597		
17	2.660	2.48	2.48	7.1	7.7						7.5		470		3	268		3	0.63	6910	50000	3.3	2330	1870	250		2.57					0	0.30	0.20			2.572	
18	2.620	2.48	2.48	7.3	7.9						7.5		584		3	307		3	0.541	7040	57000	3.0	2430	1910	250		2.47					99500	0.30	0.20	4	10.23	2.469	
19	2.540	2.48	2.48	7.2	7.7						7.6		656		3	320		3	0.688	6680	58000	3.2	2370	1980	250		2.43				1.34	79200	0.30	0.20	4		2.432	
20	2.580	2.48	2.48	7.2	8.0						7.5							0.664	6670	58000	3.4	2380	1870	250		2.45					92400			8		2.452		
21	2.310	2.48	2.48	7.2	8.0						7.6							0.778	6750	57000	3.3	2350	1860	250		2.49					146100					2.492		
22	2.690	2.48	2.48	7.3	8.0						7.7							0.691	6780	56000	3.5	2320	1840	250		2.31					24000					2.314		
23	2.410	2.48	2.48	7.2	7.9						7.8							0.675	6840	50000	4.4	2380	1860	250		2.32					0					2.32		
24	2.470	2.48	2.48	7.3	7.7						7.8		396		3	276		3	0.603	7000	50000	3.9	2330	1850	250		2.35					0	0.30	0.11			2.353	
25	2.880	2.48	2.48	7.3	7.8						7.8		576		3	278		2	0.566	6950	52000	3.2	2230	1710	250		2.69				1.45	99300	0.30	0.20	13	11.32	2.694	
26	2.860	2.48	2.48	7.3	7.9						7.8		556		3	374		3	0.774	6840	55000	3.0	2290	1720	250		2.79					61500	0.30	0.56	14		2.785	
27	3.370	2.48	2.48	7.3	7.8						7.7							0.609	7330	50000	2.6	2550	2040	250		3.23					67800			17		3.232		
28	5.610	2.48	2.48	7.3	7.6						8.3							0.615	8210	50000	4.2	2500	2300	240		5.66					61500					5.658		
29	3.920	2.48	2.48	7.3	7.5						7.7							1.327	8660	44000	5.2	2340	1910	230		4.83					63000					4.828		
30	4.960	2.48	2.48	7.3	8.1						7.7							2.356	8310	50000	5.5	2380	1900	230		5.30					37800					5.299		
31	4.740	2.48	2.48	7.0	8.0						8.3							1.33	9350	50000	4.0	2700	2030	250							0					4.335		
Tot.	97.85		76.88															23.3									91.23					2E+06					95.55	
Avg.	3.156	2.48	2.48	7.4	7.9						7.7		534		3	270		3	0.752	7587	50774	3.687	2382	1884	244.2		3.041				1.43	49665	0.30	0.35	4	10.01	3.082	

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
 30061 FLOW
 41797 CBOD
 66982 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

Report Selections: Period: 07/01/2016 00:00 thru 07/31/2016 23:59, treatment Plant: MSD0294 FLOYDS FORK, 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	2590359		07/24/2016	DUNLAP	ANDERSON	REPAIRED - ISSUE RESOLVED	07/24/2016	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE - WATERS	07/24/16 02:50 PM	

Discharge Reporting:

Discharge Amount:	5 GAL
Cause:	FORCE MAIN BREAK IN REAR OF FENCED IN PROPERTY 14307 WAKEFIELD PLACE
Clean Up:	MSD WILL CLEAN AREA
Control Zone:	ADVIASED CUSTOMER TO AVOID CONTACT WITH IMPACTED AREA SIGNS WERE PLACED AT PROPERTY AND LAKE
Impact:	SEWAGE SLUDGE ON GROUND IN REAR OF FENCED IN PROPERTY 14307 WAKEFIELD PLACE
Repair:	B&H HAULED STATION WHILE MAC CONSTRUCTION MADE REPAIRS
Public Notification:	ADVISED CUSTOMER ONSITE PLACED SIGNS ALONG WITH PAGE SENT TO MANAGEMNT

Notifications:

7/1/16 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
7/1/16 1:00 am	DISSNO	SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'

Total Facilities Printed: 1

Total Work Orders Printed: 1