



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

August 7, 2017

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

**RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for July 2017.**

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 July 2017.

Also attached are discharge reports.

There were no exceedances or bypasses.

If you have any questions concerning the attached DMR's, please contact me at (502)587-5849.

Sincerely,

Duane V. Wright
Process Supervisor

DVW/ Floyds Fork. 07/17.

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 07/01/17 to 07/31/17	DMR Due Date:	08/28/17
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	James A.	Title:	Exec. Dir.
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	=	7				=	7				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				=	7				12 - SU	0	01/07 - Weekly	GR - GRAB		
					Permit Req.	>=	6 MINIMUM									12 - SU	0	01/07 - Weekly	GR - GRAB		
					Value NODI																
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	90	=	108	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	=					=	354	=	518		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	=					=	12	=	14		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	1	--	Sample	=	15.4	=	33.3	26 - lb/d	=	0.5	=	0.9		19 - mg/L	0	01/07 - Weekly	24 - COMP24		
					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	=	10.8	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	=	3.4	=	3.724	03 - MGD							0	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	=	2.725	=	3.124	03 - MGD							0	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	=					=	5	=	63		13 - #/100mL	0	05/30 - 5 Times Every Month	GR - GRAB		
					Permit Req.													13 - #/100mL	0	01/07 - Weekly	GR - GRAB
					Value NODI																
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	90	=	108	26 - lb/d	=	3	=	3		19 - mg/L	1	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	1	01/07 - Weekly	24 - COMP24		
					Value NODI																
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample	=					=	257	=	295		19 - mg/L	0	01/07 - Weekly	CP - COMPOS		
					Permit Req.													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 - %	1	01/30 - Monthly	CA - CALCTD		
					Permit Req.	>=	85 MO AV MN										23 - %	1	01/30 - Monthly	CA - CALCTD	
					Value NODI																
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=	99									23 - %	1	01/30 - Monthly	CA - CALCTD		
					Permit Req.	>=	85 MO AV MN										23 - %	1	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
FF072017_MOR.pdf	pdf	58944
FF072017_COVER.pdf	pdf	76107
201707FFWQTCTOverflowReport.pdf	pdf	99560

Report Last Saved By

Floyds Fork WQTC MSD

User: WRIGHTDUANE | Date/Time: 2017-08-17 10:51 (Time Zone: -04:00)
Name: Duane Wright
E-Mail: duane.wright@louisvillemsd.org

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: July 2017
 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	MAST #	DISOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	30 MIN.	60 MIN.	GALLONS X 1000	RAW		HAULED				PHOSPHORUS WITHDRAWN GALLONS X 1000	PHOSPHORUS TOTAL (mg/L)	NH3-N (mg/L)	ECOLI			
																												% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS									
1	3.258	2.48	2.48	7.0													0.72	6210	50000	4.2	2110	1680	210			2.63						15200								2.63174
2	3.064	2.48	2.48	7.0							290		3	295			0.769	6020	50000	4.1	2200	1720	210			2.51						0	0.30	0.20						2.5082
3	3.075	2.48	2.48	7.0	7.3				7.6								0.75	4850	70000	3.7	2470	2090	230			2.36			0.816			44100				1				2.37542
4	3.033	2.48	2.48	7.0													0.617	6150	50000	4.8	2250	1960	250			2.36					0					14.13			2.36131	
5	3.097	2.48	2.48	6.9													0.719	6090	58000	3.2	2150	1640	230			2.36					63000								2.35483	
6	5.577	2.48	2.48	6.8													1.379	6430	62000	3.6	2520	2020	240			5.32					50400								5.32491	
7	4.966	2.48	2.48	6.9													0.284	6230	55000	4.0	2090	1780	210			4.31				56700									4.31325	
8	4.674	2.48	2.48	6.8													0.28	6950	50000	3.5	1980	1650	230			4.16				0									4.16332	
9	3.817	2.48	2.48	7.0							518		3	242			0.667	4490	50000	3.3	2100	1690	250			3.21				0	0.30	0.22			10.91				3.29063	
10	3.614	2.48	2.48	6.9	7.1				7.4								0.667	6710	51000	3.0	2080	1690	240			2.94			1.04		31500				1				2.9318	
11	3.929	2.48	2.48	6.9													0.7	5350	55000	2.3	1830	1610	240			2.75				31500									2.74759	
12	3.283	2.48	2.48	6.9													0.792	5690	55000	3.8	1910	1530	210			2.64				50400									2.63798	
13	3.110	2.48	2.48	6.8													0.733	6310	55000	2.5	2120	1690	240			2.51				63000									2.51194	
14	3.028	2.48	2.48	6.8													0.69	6110	55000	2.8	2060	1650	240			2.42				69300									2.41876	
15	3.078	2.48	2.48	6.9													0.722	5990	50000	3.0	2020	1700	240			2.47				0									2.46486	
16	3.131	2.48	2.48	6.9							274		3	239			0.634	6290	50000	2.4	2110	1850	240			2.45				0	0.30	0.62			14.47				2.44644	
17	3.090	2.48	2.48	7.1	7.4				7.3								0.668	5210	63000	2.8	1990	1730	220			2.38			0.96		63000				1				2.381	
18	3.033	2.48	2.48	7.0													7.56	6030	55000	3.2	2020	1740	220			2.33				44100									2.33276	
19	2.948	2.48	2.48	7.0													0.697	5280	60000	3.6	2030	1700	220			2.28				81900									2.28381	
20	2.951	2.48	2.48	6.9													0.708	6680	53000	2.8	2180	1830	220			2.26				100800									2.25975	
21	2.883	2.48	2.48	6.9													0.755	5570	60000	2.6	2040	1590	240			2.19				63000									2.18779	
22	2.989	2.48	2.48	6.8													0.7	4270	40000	2.9	2240	1890	250			2.27				0									2.26981	
23	4.336	2.48	2.48	7.0							332		3	250			0.81	5970	40000	3.0	2180	1830	250			3.39			1.58		0	0.30	0.92		9.91				3.39431	
24	3.560	2.48	2.48	7.2	7.4				7.3								0.768	6520	51000	2.7	2050	1730	250			2.90				63000					249				2.90798	
25	3.229	2.48	2.48	7.0													0.662	5690	60000	3.9	2280	1820	250			2.55				59600									2.55241	
26	3.128	2.48	2.48	7.1													0.634	6200	58000	3.0	2180	1740	250			2.41				63000						16			2.41648	
27	3.119	2.48	2.48	7.1													0.693	5600	60000	2.8	2060	1730	250			2.37				100800									2.37893	
28	3.212	2.48	2.48	7.1													0.713	5040	60000	2.9	2000	1680	250			2.47				94500									2.47623	
29	3.121	2.48	2.48	6.8													0.686	5050	40000	2.8	2160	1830	200			2.42				0									2.42557	
30	3.118	2.48	2.48	6.7													0.645	5420	40000	3.0	2160	1800	250			2.41				0									2.41124	
31	3.050	2.48	2.48	6.9													0.672	5950	540000	3.2	1990	1710	250			2.32				44100									2.32235	
Tot.	105.50	76.88	76.88														28.49										84.34			1252900									84.48	
Avg.	3.403	2.48	2.48	6.9	7.3				7.4		354		3	257			0.919	5818	69225.81	3.206	2115	1752	234.8			2.721			1.099		40416.13	0.30	0.49	5	12.36			2.725		

RESIDENTIAL _____ INDUSTRIAL WASTE POPULATION EQUIVALENT _____
 COMMERCIAL 32412 FLOW _____ 42825 CBOD _____ 47779 TSS _____ Randolph P. Kustes Jr. OPERATOR _____ 14555 CERT. NO. _____
 INDUSTRIAL _____

TOTAL NUMBER OF SEWER CONNECTIONS 0
 SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION
 502-540-6000 PLANT TELEPHONE

Report Selections: Period: 07/01/2017 00:00 thru 07/31/2017 23:59, treatment Plant: MSD0294 FLOYDS FORK, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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	80377A-AG	605 WOODLAKE DR		CHENOWETH RUN,UPPER	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	2777451		07/21/2017	ROTTET JR	SMITH	REPAIRED - ISSUE RESOLVED	07/21/2017	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE - WATERS	07/21/17 12:40 PM	

Discharge Reporting:

Discharge Amount:	50 GAL
Cause:	FORCE MAIN BREAK
Clean Up:	MSD CLEANED AND SANITIZED AREA
Control Zone:	TEMPORARY SIGNS AND CAUTION TAPE
Impact:	SEWAGE
Repair:	FORCE MAIN REPAIRED BY CONTRACTOR
Public Notification:	TEMPORARY SIGNS AND CAUTION TAPE. TALKED TO HOME OWNER ON SITE

Notifications:

7/21/17 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
-----------------	--------	---

Report Selections: Period: 07/01/2017 00:00 thru 07/31/2017 23:59, treatment Plant: MSD0294 FLOYDS FORK, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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	80581B-AG	611 WOODLAKE DR		FLOYDS FORK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	2771358		07/10/2017	GOODWIN	CPSM	REPAIRED - ISSUE RESOLVED	06/30/2016	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE - WATERS	07/10/17 02:45 PM	

Discharge Reporting:

Discharge Amount:	57 GAL
Cause:	STRUCTURAL FAILURE, FORCEMAIN BREAK
Clean Up:	MSD CLEANED AND SANITIZED AREA
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA
Impact:	SEWAGE FOUND ON THE GROUND
Repair:	CONTRACTOR REPAIRED FORCEMAIN
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA

Notifications:

7/6/17 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
----------------	--------	---

Total Facilities Printed: 2

Total Work Orders Printed: 2