



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

October 25, 2017

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

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

There were no exceedances or bypasses.

Overflow report attached.

Also attached is the 3rd quarter biomonitoring.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6952.

Sincerely,

William Ford
Process Supervisor

WF/ Floyds Fork 09/17.

Cc: V. Teague
 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 09/01/17 to 09/30/17

DMR Due Date:

10/28/17

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:

--

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						=	8					19 - mg/L	0	01/07 - Weekly	GR - GRAB
					Permit Req.						>=	7 INST MIN					19 - mg/L		01/07 - Weekly	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.1			=	7.2	12 - SU	0	01/07 - Weekly	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	=	71	=	98	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		01/07 - Weekly	24 - COMP24
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample								=	189	=	226	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															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample								=	13	=	15	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	=	6	=	7	26 - lb/d			=	0.2	=	0.3	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		01/07 - Weekly	24 - COMP24
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=	7.1	=	9.8	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			<=	.5 MO AVG	<=	.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	=	3.05	=	4.837	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	=	3.243	=	5.186	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								=	17	=	91	13 - #/100mL	0	01/07 - Weekly	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	=	52	=	65	26 - lb/d			=	2	=	3	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		01/07 - Weekly	24 - COMP24
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample								=	182	=	205	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															
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						=	98					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
092017_FF_MOR.pdf	pdf	75290
201709FFWQTCOverflowReport.pdf	pdf	96885
092017_FF_Coverletter.pdf	pdf	65024

Report Last Saved By

Floyds Fork WQTC MSD

User:WRIGHTDUANE

Name:Duane Wright

E-Mail:duane.wright@louisvillemsd.org

Date/Time:2017-10-26 12:38 (Time Zone: -04:00)

Report Last Signed By

User:staci.huber@louisvillemsd.org

Name:Staci Huber

E-Mail:staci.huber@louisvillemsd.org

Date/Time:2017-10-26 12:51 (Time Zone: -04:00)

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:

001-2
TOXICITY

Report Dates & Status

Monitoring Period:

From 07/01/17 to 09/30/17

DMR Due Date:

10/28/17

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		01/90 - Quarterly	24 - COMP24
					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

No attachments.

Report Last Saved By

Floyds Fork WQTC MSD

User:

staci.huber@louisvillemsd.org

Name:

Staci Huber

E-Mail:

staci.huber@louisvillemsd.org

Date/Time:

2017-10-26 10:07 (Time Zone: -04:00)

Report Last Signed By

User:

staci.huber@louisvillemsd.org

Name:

Staci Huber

E-Mail:

staci.huber@louisvillemsd.org

Date/Time:

2017-10-26 12:52 (Time Zone: -04:00)

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	RETURN		WASTED	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 x1000						GAL/DAY x 1000	30 MIN.	60 MIN.	GALLONS x 1000	% DRY SOLIDS						% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS x 1000
1	6.170	2.48	2.48	7														1.87	5960	56000	3.9	2060	1650	250		7.41					55200							
2	10.678	2.48	2.48	7														1.74	5230	50000	4.5	1900	1610	250		11.62					0							7.41216
3	5.062	2.48	2.48	7.1														0.51	5680	40000	3.8	2090	1790	250		4.72					0						11.62005	
4	3.925	2.48	2.48	6.9	7.1				7.7		105		3	125		2	0.53	6110	40000	3.6	2110	1870	250		3.80					24000	0.30	0.21		8.33	3.7979		4.72158	
5	2.979	2.48	2.48	6.9														0.92	5960	55000	4.2	2000	1710	250		3.17			1.27		31500			6			3.16875	
6	2.587	2.48	2.48	7														0.75	6360	56000	4.8	2200	1900	250		2.89					55500						2.88872	
7	2.459	2.48	2.48	7.1														0.77	6740	50000	4.2	2060	1640	250		2.69					37800						2.6894	
8	2.280	2.48	2.48	7.2														0.80	6180	55000	5.0	2100	1630	250		2.54					25200						2.54345	
9	2.313	2.48	2.48	7														0.79	6770	30000	4.6	2000	1640	300		2.55					0						2.54872	
10	2.412	2.48	2.48	7							224		3	199		3	0.70	5630	30000	4.8	2220	1800	300		2.63					0	0.30	0.20		14.29	2.63305			
11	2.394	2.48	2.48	6.8	7.1				7.7									0.74	6990	50000	3.2	2160	1670	260		2.47			1.48		75600			91			2.46755	
12	2.526	2.48	2.48	7														0.77	5780	60000	3.4	2120	1670	260		2.61					31500						2.59774	
13	2.750	2.48	2.48	7														0.74	6980	50000	3.0	2140	1720	250		2.82					31500						2.81833	
14	2.860	2.48	2.48	7														0.77	6830	50000	3.2	2110	1700	250		3.03					31500						3.03002	
15	2.500	2.48	2.48	7														0.66	6330	55000	4.0	2140	1750	250		2.70					31500						2.70426	
16	2.465	2.48	2.48	7														0.77	6010	30000	3.7	2100	1560	250		2.67					0						2.67264	
17	2.512	2.48	2.48	7							202		3	198		2	0.76	4470	40000	4.1	2310	1960	250		2.68					0	0.30	0.20		13.46	2.676			
18	2.371	2.48	2.48	7.1	7.1				7.7									0.71	7430	48000	3.6	2190	1900	250		2.47					61500			71			2.46594	
19	3.493	2.48	2.48	7														0.71	6250	58000	3.7	2200	1770	250		3.53			0.978		61500						3.52452	
20	3.119	2.48	2.48	7														0.75	6740	48000	3.6	2000	1640	250		3.32					61500						3.31697	
21	2.629	2.48	2.48	7.1														0.74	6940	47000	4.0	2010	1640	250		2.84					74100						2.83988	
22	2.473	2.48	2.48	7														0.77	6890	49000	4.6	2060	1690	250		2.61					99300						2.60985	
23	2.449	2.48	2.48	7.3														0.73	5090	40000	4.4	2200	1720	260		2.60					0						2.60255	
24	2.521	2.48	2.48	7.2							226		3	205		2	0.77	4080	40000	3.6	2130	1610	250		2.69					0	0.30	0.34		14.62	2.6926			
25	2.423	2.48	2.48	7.1	7.2				7.8									0.78	8790	49000	3.0	2050	1630	250		2.52			1.22		31500			2			2.51767	
26	2.328	2.48	2.48	7														0.73	6470	52000	3.2	2070	1670	250		2.43					61500						2.42448	
27	2.263	2.48	2.48	7.1														0.74	6620	52000	3.0	2120	1680	260		2.26					61500						2.37243	
28	2.200	2.48	2.48	7.1														0.71	6050	55000	3.4	2380	1900	260		2.35					61500						2.34552	
29	2.156	2.48	2.48	6.8														0.72	6100	54000	3.6	2020	1650	270		2.26					61500						2.26903	
30	2.203	2.48	2.48	7														0.74	6020	40000	4.6	2140	1710	260		2.31					0						2.31489	
31																																						
Tot.	91.50	74.4	74.4															24.15																				
Avg.	3.050	2.48	2.48	7.0	7.1				7.7		189		3	182		2	0.805	6183	47633.3	3.877	2113	1716	256		3.239			1.237		35540	0.30	0.24	17	12.68		3.243		

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

29048
FLOW

27196
CBOD

22924
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: 09/01/2017 00:00 thru 09/30/2017 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
: DISREV: RAIN EVENT DISCHARGE	2799536		09/05/2017	ROTTET JR	WILHITE	REPAIRED - ISSUE RESOLVED	09/05/2017	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE - WATERS	09/05/17 09:30 AM	

Discharge Reporting:

Discharge Amount:	25 GAL
Cause:	BROKEN FORCE MAIN
Clean Up:	CONTRACTOR CLEANED AREA
Control Zone:	TEMPORARY SIGNS
Impact:	SEWAGE
Repair:	SHUT OFF PUMP TO BROKEN FORCE MAIN
Public Notification:	TEMPORARY SIGNS

Notifications:

9/2/17 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
----------------	--------	--

Total Facilities Printed: 1

Total Work Orders Printed: 1