



*Louisville and Jefferson County Metropolitan Sewer District  
700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
www.msdlouky.org*

November 18, 2015

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

**RE: Floyds Fork WQTC, KPDES No: KY0102784  
Discharge Monitoring Report for October 2015.**

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 October 2015.

There were no exceedances or bypasses to report.

Overflow report is attached.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Staci Huber". The signature is written in a cursive style with a large initial "S".

Staci Huber  
Process Supervisor of Metro Operations

SMH/ Floyds Fork 10/15

Enclosures

cc: T. Singleton  
R. Shaw



*Beneficial Use of Louisville's Biosolids  
www.louisvillegreen.com*

# DMR Copy of Record

<b>Permit</b>			
Permit #:	KY0102784	Permittee:	FLOYDS FORK WQTC MSD
Major:	Yes	Permittee Address:	1100 BLUE HERRON RD LOUISVILLE, KY 40245
Permitted Feature:	001 External Outfall	Discharge:	001-1 MUNICIPAL DISCHARGE
Facility:		Facility Location:	FLOYDS FORK WQTC MSD 1100 BLUE HERRON RD LOUISVILLE, KY 40245

<b>Report Dates &amp; Status</b>			
Monitoring Period:	From 10/01/15 to 10/31/15	DMR Due Date:	11/28/15
Status:	NetDMR Validated		

**Considerations for Form Completion**

<b>Principal Executive Officer</b>			
First Name:	James	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					=	8					19 - mg/L	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			=	8	12 - SU	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	=	48	=	52	26 - lb/d		=	3	=	3	19 - mg/L	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					=	448		=	493	19 - mg/L	03/07 - Three Per Week	24 - COMP24		
					Permit Req.											19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI														
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample					=	11		=	13	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.											19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	4	=	5	26 - lb/d		=	0.2	=	0.3	19 - mg/L	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	=	1	=	2	26 - lb/d		=	0.1	=	0.1	19 - mg/L	03/07 - Three Per Week	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	=	2.23	=	2.736	03 - MGD							99/99 - Continuous	CN - CONTIN	
					Permit Req.													99/99 - Continuous	RE - Record (manual)
					Value NODI														
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	2.407	=	2.985	03 - MGD							99/99 - Continuous	CN - CONTIN	
					Permit Req.													99/99 - Continuous	RE - Record (manual)
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample					=	1		=	2	13 - #/100mL	03/07 - Three Per Week	GR - GRAB		
					Permit Req.												13 - #/100mL	01/07 - Weekly	GR - GRAB
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	32	=	34	26 - lb/d		=	2	=	2	19 - mg/L	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					=	245		=	310	19 - mg/L	03/07 - Three Per Week	24 - COMP24		
					Permit Req.												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 - %	03/07 - Three Per Week	CA - CALCTD		
					Permit Req.												23 - %	01/30 - Monthly	CA - CALCTD
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample					=	99				23 - %	03/07 - Three Per Week	CA - CALCTD		
					Permit Req.												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
2015_10_FFQTC_OverflowReport.pdf	pdf	68098
FF102015_MOR.XLS	xls	339456
FloydsForkcoverletter1015.pdf	pdf	44732

**Report Last Saved By**

**FLOYDS FORK WQTC MSD**

User: staci.huber@louisvillemsd.org | Date/Time: 2015-11-20 14:06 (Time Zone: -05:00)  
Name: Staci Huber  
E-Mail: staci.huber@louisvillemsd.org

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: October 2015  
 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					
		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 ED	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	Total Nitrogen		
																									30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000						
1	2.105	2.48	2.48	7.3	8.0								452		3	254		2	0.55	9030	40000		4.9	2470	2010	280			2.338					167400	0.09	0.21		
2	2.139	2.48	2.48	7.3	8.1														0.52	6910	40000		3.5	2420	1880	260			2.258					30000			1	
3	2.552	2.48	2.48	7.4	8.0														0.54	7210	30000		2.9	2390	1910	260			2.75				0					
4	2.157	2.48	2.48	7.3	8.0								398		3	241		2	0.57	6990	30000		3.5	2340	1890	260			2.39				0	0.09	0.12		8.97	
5	1.934	2.48	2.48	7.4	7.9								388		3	225		2	0.49	8380	45000		2.5	2290	1860	240			2.164		1.12		61800	0.08	0.32	1		
6	1.878	2.48	2.48	7.2	8.0														0.49	7450	50000		3.9	2380	1920	250			2.101				81900			1		
7	1.778	2.48	2.48	7.2	7.9														0.43	7750	50000		3.4	2290	1920	230			2.016				44100					
8	1.778	2.48	2.48	7.3	7.9								460		3	215		2	0.43	11090	40000		4.0	2310	1870	230			1.972				31500	0.08	0.23			
9	1.802	2.48	2.48	7.2	7.9														0.77	10310	40000		3.4	1980	1610	200			1.882				61500			1		
10	1.752	2.48	2.48	7.2	7.9														0.41	8130	40000		4.5	2030	1660	200			1.969				31200					
11	1.813	2.48	2.48	7.3	7.9								372		3	154		2	0.47	8100	40000		3.9	2410	2011	210			2.008				0	0.09	0.23		12.26	
12	1.879	2.48	2.48	7.2	8.0								504		3	299		2	0.54	8350	40000		4.0	2340	1780	200			2.016		1.106		37800	0.09	0.24	12		
13	2.012	2.48	2.48	7.4	7.9														0.44	8860	30000		3.6	2070	1690	200			2.194				12600			1		
14	1.942	2.48	2.48	7.4	8.0														1.31	8280	30000		4.5	2240	1810	200			2.081				31500					
15	1.812	2.48	2.48	7.3	7.8								482		3	343		2	0.46	7050	30000		4.0	2490	2030	200			2.006				50400	0.04	0.23			
16	1.686	2.48	2.48	7.3	8.0														0.58	9660	30000		5.5	2130	1870	200			1.861				81900			1		
17	1.683	2.48	2.48	7.2	7.9														0.46	8680	30000		5.1	2190	1830	200			1.826				0					
18	1.712	2.48	2.48	7.3	8.1								548		3	345		2	0.44	8360	30000		5.5	2250	1950	200			1.876				0	0.17	0.14		11.26	
19	1.680	2.48	2.48	7.2	7.6								448		3	241		2	0.55	8060	30000		4.6	2200	1900	200			1.827				6300	0.10	0.18	1		
20	1.710	2.48	2.48	7.3	8.1														0.65	8150	35000		3.6	2140	1840	200			1.797		1.21		0			1		
21	1.667	2.48	2.48	7.3	7.8														0.59	7790	40000		3.2	2380	1980	210			1.757				0					
22	1.656	2.48	2.48	7.2	7.0								496		3	308		2	0.61	7780	40000		3.0	2220	1770	210			1.748				0	0.11	0.16			
23	1.559	2.48	2.48	7.2	7.9														0.55	7770	40000		2.3	2180	1780	230			1.639				0			1		
24	1.995	2.48	2.48	7.3	7.8														0.48	8250	35000		4.2	2250	1780	220			1.95				0					
25	2.353	2.48	2.48	7.3	7.9								390		3	156		2	0.69	8130	35000		3.2	2230	1800	220			2.512				0	0.10	0.17		13.46	
26	2.143	2.48	2.48	7.3	7.6								438		3	162		2	1.21	7230	40000		4.0	2090	1710	230			2.172		1.233		0	0.08	0.51	1		
27	2.911	2.48	2.48	7.3	7.8														1.35	7240	40000		4.4	2200	1790	220			3.392				0			1		
28	6.534	2.48	2.48	7.4	7.7														2.92	10000	30000		5.0	2270	1840	200			7.484				81400					
29	5.001	2.48	2.48	7.3	8.0														2.92	8020	30000		7.0	2530	2090	250			4.753				94500					
30	2.920	2.48	2.48	7.2	8.0														2.00	8130	30000		6.5	2540	2020	250			3.096				94500					
31	2.653	2.48	2.48	7.3	8.0														0.79	7760	30000		6.2	2340	1990	280			2.787				0					
Tot.	69.20	76.88	76.88																25.21															1E+06				
Avg.	2.232	2.48	2.48	7.3	7.9								448		3	245		2	0.813	8222.6	36129	4.185	2277	1864	223.9			2.40716		1.167		32268	0.09	0.23	1	11.49		

RESIDENTIAL  
 COMMERCIAL  
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT  
 21259 FLOW  
 26857 CBOD  
 39715 TSS

Randolph P. Kustes Jr. OPERATOR  
 502-540-6000 PLANT TELEPHONE

14555 CERT. NO.

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



Report Selections: Period: 10/01/2015 00:00 thru 10/31/2015 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	96911A-V	912 EASTWOOD FISHERVILLE RD		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	2451472		10/23/2015	HUBER	OPS CSHIFT	REPAIRED - ISSUE RESOLVED	10/23/2015	STRUCTURAL FAILURE	UNAUTHORIZED DISCHAGE - WATERS	10/23/15 08:30 PM	

**Discharge Reporting:**

Discharge Amount:	500 GAL
Cause:	FM BREAK
Clean Up:	MSD CLEAN AND SANITIZE AREA AFTER CONTRACTOR REPAIRS
Control Zone:	TEMP SIGNS
Impact:	SEWAGE
Repair:	CLOSED 16" FM OPENED 24" FM DISCHARGE STOPPED
Public Notification:	DISDW PAGE SENT OUT

**Notifications:**

10/23/15 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
10/23/15 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