



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

August 13, 2015

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

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

There were no exceedances, bypasses to report.

Overflow report form 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 07/15

Enclosures

cc: T. Singleton
R. Shaw



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

DMR Copy of Record

Permit			
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

Report Dates & Status			
Monitoring Period:	From 07/01/15 to 07/31/15	DMR Due Date:	08/28/15
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	Greg	Title:	Executive Director
Last Name:	Heitzman	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	0	01/01 - Daily 03/07 - Three Per Week	GR - GRAB GR - GRAB
					Permit Req.	>=	7 INST MIN								19 - mg/L				
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	7.7				=	8.2			12 - SU	0	01/01 - Daily 03/07 - Three Per Week	GR - GRAB GR - GRAB	
					Permit Req.	>=	6 MINIMUM			<=	9 MAXIMUM			12 - SU					
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	92	=	120	26 - lb/d	=	3	=	3	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	813 MO AVG	<=	1220 MX WK AV	26 - lb/d	<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L				
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	10778	=	15205	26 - lb/d	=	384	=	523	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L				
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	6	=	10	26 - lb/d	=	0.2	=	0.3	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	54 MO AVG	<=	81 MX WK AV	26 - lb/d	<=	2 MO AVG	<=	3 MX WK AV	19 - mg/L				
					Value NODI														
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	343	=	388	26 - lb/d	=	13	=	21	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L				
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=	0.4	=	0.7	19 - mg/L					19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	1 MO AVG	<=	1.5 MX WK AV	19 - mg/L									
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	3.66	=	10.12	03 - MGD						0	99/99 - Continuous 99/99 - Continuous	CN - CONTIN CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD									
					Value NODI														
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample	=	3	=	3	13 - #/100mL					13 - #/100mL	0	03/07 - Three Per Week 03/07 - Three Per Week	GR - GRAB GR - GRAB	
					Permit Req.	<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL									
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	61	=	80	26 - lb/d	=	2	=	2	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	271 MO AVG	<=	407 MX WK AV	26 - lb/d	<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L				
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample	=	6118	=	8315	26 - lb/d	=	226	=	341	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L				
					Value NODI														
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample	=	99							23 - %	0	01/30 - Monthly 01/30 - Monthly	CA - CALCTD CA - CALCTD		
					Permit Req.	>=	85 MO MIN						23 - %						
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=	99							23 - %	0	01/30 - Monthly 01/30 - Monthly	CA - CALCTD CA - CALCTD		
					Permit Req.	>=	85 MO MIN						23 - %						
					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
201507_floydsfork_mor.pdf	pdf	121425
2015_7_FloydsFork_OverflowReport.pdf	pdf	73109
201507_floydsforkcoverletter.pdf	pdf	43499

Report Last Saved By

FLOYDS FORK WQTC MSD

User: staci.huber@louisvillemsd.org

Date/Time: 2015-08-21 15:08 (Time Zone: -04:00)

Name: Staci Huber

E-Mail: staci.huber@louisvillemsd.org

NAME OF TREATMENT PLANT: FLOYDS FORK COUNTY: JEFFERSON
 KPDES PERMIT NUMBER: KY0102784 PLANT CAPACITY: 3.5 MGD MONTH OF: July 2015
 RECEIVING STREAM: FLOYDS FORK

DATE	TOTAL FLOW (MILLION GALLONS)	SEWAGE		PH	RAW	FINAL	SETTLABLE SOLIDS (mg/L)		RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	DISSOLVED OXYGEN (mg/L)		RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	5 DAY CBOD (mg/L)		RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	ACTIVATED SLUDGE		RETURN	WAST	AERATION BASIN		SLUDGE HANDLING		FINAL						
		GRIT REMOVED (CUBIC FEET)	SCREENINGS (CUBIC FEET)				RAW	PRIMARY EFFLUENT				FINAL EFFLUENT	STREAM ABOVE				STREAM BELOW	RAW				PRIMARY EFFLUENT	FINAL EFFLUENT			GAL/DAY X 1000	MLSS X 1000	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS
1	3080	2.48	2.48	7.4	8.0	8.0						8.5		326			234						0.68	8520	40000	2.2	2370	2050	300	2965	2965	2.965	0.15	0.45		
2	3545	2.48	2.48	7.3	7.9	7.9						8.7											0.59	8330	40000	3.8	2360	2030	290	3386	3386	3.386	0.15	0.45	2	
3	4487	2.48	2.48	7.4	7.7	7.7						8.5											1.27	14850	40000	5.1	1980	1850	300	5156	5156	5.156	0.15	0.45	2	
4	4946	2.48	2.48	7.4	7.9	7.9						8.6											1.58	6920	40000	6.6	2290	1880	280	5108	5108	5.108	0.15	0.45	2	
5	3722	2.48	2.48	7.4	7.8	7.8						8.9											2.05	9540	40000	5.6	2190	1840	300	3455	3455	3.455	0.53	0.14	2	
6	3562	2.48	2.48	7.4	8.1	8.1						8.6											0.46	6800	50000	3.8	2280	2010	300	3013	3013	3.013	1.44	0.34	2	
7	3361	2.48	2.48	7.4	8.0	8.0						8.8											0.67	8380	40000	4.8	2220	1950	300	323	323	0.323	0.906	0.14	2	
8	3894	2.48	2.48	7.3	7.9	7.9						8.7											0.76	8290	40000	2.5	2280	2000	300	3866	3866	3.866	0.15	0.09	4	
9	3652	2.48	2.48	7.3	8.2	8.2						8.5											0.58	7720	40000	5.6	2130	1790	280	3656	3656	3.656	0.26	0.09	4	
10	4819	2.48	2.48	7.3	8.1	8.1						8.4											0.61	8120	40000	6.5	2230	1920	280	478	478	0.478	4.635	0.10	2	
11	4505	2.48	2.48	7.4	8.0	8.0						8.7											0.93	9020	40000	5.2	2260	1980	280	4635	4635	4.635	0.24	0.10	2	
12	6892	2.48	2.48	7.2	7.9	7.9						9.2											3.00	4000	40000	3.0				4536	4536	4.536	6.097	0.10	4	
13	5832	2.48	2.48	7.1	7.7	7.7						9.0											4.00	4850	40000	5.9	2370	2040	250	6097	6097	6.097	7.5600	0.10	4	
14	10122	2.48	2.48	7.4	7.9	7.9						8.9											2.95	10210	40000	3.9	2060	1710	200	1061	1061	1.061	7.5600	0.25	0.48	4
15	5469	2.48	2.48	7.4	8.0	8.0						8.2											1.45	8750	50000	6.0	2180	1880	250	4953	4953	4.953	1.15	0.17	4	
16	3908	2.48	2.48	7.2	8.2	8.2						8.5											1.38	7610	50000	5.5	2110	1820	280	3614	3614	3.614	7.5600	0.17	0.12	4
17	2741	2.48	2.48	7.2	8.2	8.2						8.6											1.36	7070	50000	4.0	2800	2100	290	3004	3004	3.004	50400	0.10	3	
18	5289	2.48	2.48	7.1	8.1	8.1						8.5											0.33	7180	40000	3.2	2880	2150	290	5072	5072	5.072	0	0.77	0.10	2
19	3241	2.48	2.48	7.2	8.0	8.0						8.8											0.97	7290	40000	5.5	2860	2050	290	3455	3455	3.455	0	0.77	0.10	2
20	2720	2.48	2.48	7.5	8.1	8.1						8.3											0.75	8960	40000	4.2	2450	1950	290	298	298	0.298	1.02	0.22	2	
21	2430	2.48	2.48	7.3	8.0	8.0						8.6											0.75	8960	40000	4.2	2450	1950	290	298	298	0.298	1.02	0.22	2	
22	2283	2.48	2.48	7.2	8.2	8.2						8.5											0.72	7740	40000	4.0	2360	1770	300	2515	2515	2.515	7.5600	0.37	0.10	2
23	2203	2.48	2.48	7.5	7.9	7.9						8.7											0.76	7880	50000	4.3	2390	1790	300	2427	2427	2.427	63000	0.37	0.10	2
24	2134	2.48	2.48	7.4	7.9	7.9						8.5											0.78	7790	50000	4.5	2240	1770	290	2335	2335	2.335	63000	0.37	0.10	2
25	2122	2.48	2.48	7.1	7.9	7.9						8.7											0.54	8470	40000	4.3	2150	1730	300	2326	2326	2.326	0	0.59	0.16	2
26	2197	2.48	2.48	7.4	7.9	7.9						8.8											0.77	4980	40000	4.5	2320	1830	300	2391	2391	2.391	0	0.59	0.16	2
27	2106	2.48	2.48	7.3	7.9	7.9						8.6											0.66	7670	50000	3.0	2370	1920	290	2283	2283	2.283	7.5600	0.16	3	
28	2066	2.48	2.48	7.5	7.9	7.9						8.5											0.73	7910	50000	5.4	2280	1780	300	2227	2227	2.227	31500	0.16	3	
29	2116	2.48	2.48	7.4	7.8	7.8						8.1											0.77	6740	50000	3.4	2280	1800	300	2215	2215	2.215	81900	0.16	3	
30	2036	2.48	2.48	7.4	7.9	7.9						8.3											0.67	6950	50000	2.6	2370	1880	300	2243	2243	2.243	80700	0.16	3	
31	1919	2.48	2.48	7.4	7.8	7.8						8.1											0.84	7280	50000	2.5	2230	1750	290	2118	2118	2.118	37800	0.16	3	
Tot.	113.36	74.4	76.88	7.3	8.0	8.0						8.6											33.343	8026.7	43548.4	4.306	2327	1900	286.7	3656	3656	3.656	1426800	0.43	0.20	3
Avg.	3.657	2.48	2.48	7.3	8.0	8.0						8.6											3.343	8026.7	43548.4	4.306	2327	1900	286.7	3656	3656	3.656	1426800	0.43	0.20	3

TOTAL NUMBER OF SEWER CONNECTIONS: 0 X 4 = 0 SEWERED POPULATION: 0
 RESIDENTIAL COMMERCIAL INDUSTRIAL FLOW: 34827 INDUSTRIAL WASTE POPULATION EQUIVALENT: 55779 TSS: 14555
 OPERATOR: Randolph P. Kustes, Jr. CERT. NO. 502-540-6000 PLANT TELEPHONE: 502-540-6000



Report Selections: Period: 07/01/2015 00:00 thru 07/31/2015 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
SMH Sewer Manhole	33003	815 TUCKER STATION RD		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	2387166		07/12/2015	DAVIS	BLANFORD	DOCUMENTED	03/09/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	07/12/15 12:30 PM	

Discharge Reporting:

Discharge Amount:	5,250 GAL
Cause:	HEAVY RAIN
Clean Up:	MSD TO CLEAN AND SANITIZE AFFECTED AREA
Control Zone:	CAUTION TAPE AND TEMP SIGNS
Impact:	SEWAGE
Repair:	AREA INCLUDED IN IOAP
Public Notification:	SIGNS AND DOOR CARDS

Notifications:

7/11/15 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
7/11/15 1:00 am	DISSNO	SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'



Report Selections: Period: 07/01/2015 00:00 thru 07/31/2015 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
SMH Sewer Manhole	65531	12400 BRIERLY HILL PL		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	2387170		07/12/2015	DAVIS	BLANFORD	BEYOND APPROVED DESIGN STORM	04/27/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	07/12/15 12:00 AM	

Discharge Reporting:

Discharge Amount:	5,250 GAL
Cause:	HEAVY RAIN
Clean Up:	MSD TO CLEAN AND SANITIZE AFFECTED AREA
Control Zone:	CAUTION TAPE TEMP SIGNS
Impact:	SEWAGE
Repair:	AREA INCLUDED IN IOAP
Public Notification:	DOOR CARDS

Notifications:

7/11/15 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
7/11/15 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: 2

Total Work Orders Printed: 2