



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

September 9, 2015

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

**RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for August 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 August 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", written over the word "Sincerely,".

Staci Huber
Process Supervisor of Metro Operations

SMH/ Floyds Fork 08/15

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 08/01/15 to 08/31/15	DMR Due Date:	09/28/15
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				=	8.1			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	=	56	=	71	26 - lb/d	=	3	=	4	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	=	6905	=	8506	26 - lb/d	=	406	=	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	=	3	=	4	26 - lb/d	=	0.2	=	0.2	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	=	388	=	405	26 - lb/d	=	23	=	24	19 - mg/L	0	03/12 - 3 Per 12 Hours 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	=	0.6	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	=	2.09	=	2.97	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	=					=	2	=	2	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	=	73	=	133	26 - lb/d	=	4	=	7	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	=	5059	=	6332	26 - lb/d	=	297	=	357	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
2015_8_FloydsFork_OverflowReport.pdf	pdf	70618
FFMOR082015.XLS	xls	340992
2015_08_floydsforkcoverletter.pdf	pdf	43905

Report Last Saved By

FLOYDS FORK WQTC MSD

User: staci.huber@louisvillemsd.org

Date/Time: 2015-09-22 16:03 (Time Zone: -04:00)

Name: Staci Huber

E-Mail: staci.huber@louisvillemsd.org

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

DATE	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 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	WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME		RAW		HAULED		WITHDRAWN GALLONS X 1000	PHOSPHORUS, TOTAL (mg/L)	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)		
																									30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS					% VOLATILE SOLIDS	
1	1.965	2.48	2.48	7.2	7.7				8.2								0.61	7340	50000	2.2	2340	1910	300		2.157					0						
2	1.970	2.48	2.48	7.3	7.8				8.3		260		3	221		5	0.70	7560	40000	3.6	2360	1930	300		2.144					0	0.42	0.18				
3	1.909	2.48	2.48	7.2	7.9				8.2		484		3	362		4	0.71	6760	50000	2.2	2230	1730	300		2.078			0.904		37800	0.25	0.12	2			
4	1.887	2.48	2.48	7.2	7.7				8.4		144		3	192		6	0.74	6520	50000	3.0	2130	1740	290		2.051					75300	0.15	0.14	2			
5	2.047	2.48	2.48	7.3	7.8				8.2								0.68	6260	40000	2.8	2290	1870	290		2.179					99900			2			
6	2.782	2.48	2.48	7.3	7.9				8.5								0.54	7560	40000	2.2	2320	1890	290		2.826					69300						
7	2.372	2.48	2.48	7.2	7.9				8.3								0.77	7230	40000	3.0	2290	1860	290		2.372					31500						
8	2.183	2.48	2.48	7.2	7.8				8.4								0.77	7280	40000	3.1	2260	1850	290		2.183					0						
9	2.205	2.48	2.48	7.2	7.7				8.2		308		3	230		7	0.65	7160	50000	2.8	2240	1840	300		2.382					0	1.01	0.21				
10	2.156	2.48	2.48	7.3	7.8				8.3		318		3	177		13	0.70	6760	50000	2.0	2230	1860	300		2.295			1.015		31500	0.40	0.20	2			
11	2.137	2.48	2.48	7.4	7.7				8.4		382		3	429		2	0.71	6970	50000	4.0	2240	1880	300		2.304					75600	0.33	0.13	2			
12	1.971	2.48	2.48	7.2	7.9				8.2								0.61	6670	50000	4.9	2320	1910	320		2.136					31500			2			
13	1.973	2.48	2.48	7.4	7.7				8.3								0.73	7500	50000	4.0	2390	2040	320		2.124					75600						
14	1.867	2.48	2.48	7.3	7.8				8.4								0.72	6970	50000	4.1	2350	2000	320		1.97					37800						
15	1.920	2.48	2.48	7.3	7.7				8.4								0.73	7310	40000	4.8	2300	1990	300		2.06					31500						
16	2.000	2.48	2.48	7.2	7.8				8.2		678		5	315		3	0.60	7000	40000	3.4	2390	2070	320		2.13					0	0.59	0.45				
17	1.953	2.48	2.48	7.4	7.8				8.3		336		4	230		2	0.67	6780	50000	3.0	2290	1930	320		2.038					31500	0.39	0.10	2			
18	1.891	2.48	2.48	7.4	8.1				8.5		554		4	332		3	0.67	6900	50000	3.4	2310	1930	320		1.984			0.95		63000	0.14	0.09	2			
19	2.146	2.48	2.48	7.4	7.9				8.3								0.71	6200	50000	3.6	2260	1890	300		2.123					73800			2			
20	2.967	2.48	2.48	7.3	7.9				8.2								0.65	6910	50000	3.0	2290	1900	300		3.178					68700						
21	2.218	2.48	2.48	7.2	7.8				8.1								0.62	8350	50000	2.5	2000	1680	300		2.385					63000						
22	2.131	2.48	2.48	7.3	7.9				8.3								0.63	8110	40000	3.2	2260	1870	300		2.287					0						
23	2.341	2.48	2.48	7.4	7.8				8.2		424		3	355		2	0.70	7910	40000	4.1	2250	1860	300		2.45					0	0.72	0.35				
24	1.929	2.48	2.48	7.4	7.9				8.4		466		3	313		2	0.64	7440	50000	3.8	2070	1780	310		2.092					37800	0.41	0.13	2			
25	2.098	2.48	2.48	7.3	7.9				8.1		522		3	402		2	0.61	7120	40000	2.0	2060	1870	350		2.123			0.89		88200	0.37	0.10	2			
26	2.012	2.48	2.48	7.3	7.9				8.3								0.65	7000	40000	3.6	2320	2020	330		2.116					132300			2			
27	1.979	2.48	2.48	7.3	7.9				8.0								0.62	6970	40000	3.3	2280	1960	340		2.072					12600						
28	1.904	2.48	2.48	7.4	7.8				8.1								0.54	7200	40000	3.0	2170	1830	350		1.962					0						
29	1.963	2.48	2.48	7.3	7.7				8.0								1.28	7180	40000	3.8	2110	1880	350		2.045					0						
30	2.090	2.48	2.48	7.2	7.8				8.2								0.47	7870	40000	3.8	2230	1810	350		2.136					0						
31	1.916	2.48	2.48	7.2	7.9				8.4								0.50	7190	50000	2.9	2500	1930	300		2.058					37800						
Tot.	64.88	76.88	76.88														20.93																1206000			
Avg.	2.093	2.48	2.48	7.3	7.8				8.3		406		3	297		4	0.675	7161	45161	3.261	2261	1887	311.3		2.208				0.93975		38903.2	0.43	0.18	2		

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

19932 30443 33773
FLOW CBOD TSS

Randolph P. Kustes Jr.

OPERATOR

14555

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-540-6000

PLANT TELEPHONE

NAME OF TREATMENT PLANT Floyds Fork

COUNTY Jefferson

Month of: August 2015

Avg. Flow: 2.09

		Sludge Disposal	
Date	Rainfall	in Gallons	Remarks
1		0	
2		0	
3		37800000	
4		75300000	
5		99900000	
6		69300000	
7		31500000	
8		0	
9		0	
10		31500000	
11		75600000	
12		31500000	
13		75600000	
14		37800000	
15		31500000	
16		0	
17		31500000	
18		63000000	
19		73800000	
20		68700000	
21		63000000	
22		0	
23		0	
24		37800000	
25		88200000	
26		132300000	
27		12600000	
28		0	
29		0	
30		0	
31		37800000	

Report Selections: Period: 08/01/2015 00:00 thru 08/31/2015 23:59, 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	2420006		08/25/2015	SPENCER	OPS BSHIFT CENTRAL	REPAIRED - ISSUE RESOLVED	09/24/2010	STRUCTURAL FAILURE	UNAUTHORIZED DISCHAGE - WATERS	08/25/15 04:00 PM	

Discharge Reporting:

Discharge Amount:	5,000 GAL
Cause:	16" FM BREAK.
Clean Up:	AFFECTED AREA WAS RAKED.
Control Zone:	AREA WAS REMOTE IN THE FM EASEMENT. LIMITED ACCESS.
Impact:	SEWAGE ON GROUND
Repair:	CHEROKEE CONSTRUCTION - 16" FM WAS REPAIRED.
Public Notification:	CONTACTED CUSTOMER SERVICE AND INFORMED THEM OF THE SITUATION. SPOKE TO PROPERTY OWNER. SPOKE TO DAN FRENCH AND INFORMED HIM OF THE STATUS.

Notifications:

8/20/15 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
8/20/15 1:00 pm	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