



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

March 13, 2015

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

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

There were no exceedences, bypasses or overflow reports for the month of February.

If you have any questions concerning the attached DMR's, please contact me at (502) 587-5832

Sincerely,

A handwritten signature in black ink, appearing to read "JK", written over a white background.

John Kessel
Process Supervisor, West region

JK/ Floyds Fork 2/15

Enclosures

cc: T. Singleton
R. Shaw
C. Roth



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 (JEFFERSON,KY), KY 40245

Report Dates & Status			
Monitoring Period:	From 02/01/15 to 02/28/15	DMR Due Date:	03/28/15
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	Greg	Title:	Exec Director
Last Name:	Hetizman	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	=	9									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	=	7.5				=	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	=	70	=	81	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	=	6003	=	7457	26 - lb/d	=	265	=	355	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	2	--	Sample	=	12	=	29	26 - lb/d	=	0.5	=	1	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	136 MO AVG	<=	203 MX WK AV	26 - lb/d	<=	5 MO AVG	<=	7.5 MX WK AV	19 - mg/L				
					Value NODI														
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	455	=	487	26 - lb/d	=	20	=	24	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	=		=			=	0.6	=	0.9	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	=	2.66	=	4.13	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	=		=			=	13	=	99	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, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	73	=	96	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.	<=	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, 05 day, 20 C	G - Raw Sewage Influent	0	--	Sample	=	3673	=	4316	26 - lb/d	=	161	=	217	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	=	98							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
FF022015_MOR.XLS	xls	338944
FF_cover.pdf	pdf	46027

Report Last Saved By

FLOYDS FORK WQTC MSD

User:	kevin.ries@louisvillemsd.org	Date/Time:	2015-03-24 07:05 (Time Zone: -04:00)
Name:	Kevin Ries		
E-Mail:	kevin.ries@louisvillemsd.org		

NAME OF TREATMENT PLANT FLOYDS FORK

COUNTY JEFFERSON

MONTH OF: February 2015

KPDDES 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	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)	FECAL COLIFORM (COLONIES/100ML)
																								30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000			
1	2.897	2.48	2.48	7.0	7.7				8.6			335	2	244	3	0.68	8030	40000	3.5	2490	2090	230			2.595						0	0.97	2.00	
2	3.308	2.48	2.48	7.4	8.0				8.7			350	3	161	3	0.77	7950	50000	3.7	2550	2230	210			3.207					0	0.23	1.20	16	
3	2.770	2.48	2.48	7.0	8.0				8.8			200	2	113	3	0.62	7120	50000	7.0	2600	2310	240			2.658	1.309			62700	0.31	0.29	10		
4	2.662	2.48	2.48	7.5	7.9				8.5							0.78	7150	50000	5.0	2650	2380	240			2.53			112500				2		
5	2.526	2.48	2.48	7.4	8.0				8.6							0.84	7960	50000	4.7	2610	2310	240			2.455			56700						
6	2.446	2.48	2.48	7.3	7.9				8.8							0.86	7920	50000	4.9	2680	2280	240			2.278			0						
7	2.527	2.48	2.48	7.4	8.0				8.7							1.03	7820	40000	5.0	2450	2180	240			2.365			0						
8	2.633	2.48	2.48	7.4	8.0				8.5			200	3	93	3	0.72	7940	40000	4.9	2560	2230	240			2.345			0		0.30	0.20			
9	2.473	2.48	2.48	7.5	8.1				8.6			204	3	147	3	0.77	7520	50000	3.1	2610	2340	220			2.175			0		0.49	0.33	18		
10	2.383	2.48	2.48	7.5	8.0				8.7			660	3	176	3	0.79	7010	50000	6.0	2640	2390	240			2.125	1.252		56700	0.33	0.30	8			
11	2.285	2.48	2.48	7.5	7.8				8.8							0.86	7610	50000	3.8	2430	2220	240			2.117			93600				3		
12	2.243	2.48	2.48	7.5	8.1				8.6							0.79	7030	60000	3.9	2730	2390	240			2.038			75400						
13	2.135	2.48	2.48	7.5	7.8				8.7							0.71	7240	60000	4.6	2500	2280	240			2.026			12600						
14	2.395	2.48	2.48	7.4	7.9				8.5							0.90	7020	30000	5.9	2620	2300	240			2.111			0						
15	2.340	2.48	2.48	7.4	7.9				8.6			340	3	260	3	0.85	7110	30000	6.0	2640	2310	240			2.138			0		0.85	0.35			
16	2.379	2.48	2.48	7.4	7.8				8.5			265	4	216	3	0.79	7220	40000	4.9	2690	2340	240			2.111	1.6		0		0.83	0.38	23		
17	2.253	2.48	2.48	7.5	7.9				8.8			185	5	176	3	0.77	6350	40000	4.7	2450	2270	250			2.113			0		0.89	0.18	2		
18	2.353	2.48	2.48	7.5	7.6				8.7							0.85	6040	50000	4.5	2450	2300	240			2.136			0				3		
19	2.378	2.48	2.48	7.5	7.8				8.5							0.71	5510	50000	5.1	2680	2560	200			2.236			63000						
20	2.380	2.48	2.48	7.4	7.7				8.8							0.78	6120	50000	5.0	2480	2340	220			2.144			56700						
21	3.476	2.48	2.48	7.4	7.8				8.7							0.78	6160	40000	5.1	2630	2340	230			3.098			0						
22	4.126	2.48	2.48	7.5	7.7				8.5			130	4	91	3	0.65	10900	40000	4.0	2450	2220	200			4.015			0		0.43	0.47			
23	3.037	2.48	2.48	7.5	7.9				8.8			145	2	96	3	0.80	8640	50000	5.0	2590	2240	230			2.931	1.403		50400	0.49	0.07	135			
24	3.220	2.48	2.48	7.5	7.7				8.6			165	2	161	4	0.72	7410	50000	5.2	2590	2280	230			3.092			87300	0.69	0.09	137			
25	2.836	2.48	2.48	7.5	7.6				8.5							0.73	8130	50000	6.3	2620	2310	230			2.675			46500				52		
26	2.795	2.48	2.48	7.2	7.5				8.7							0.84	8140	50000	5.5	2410	2140	200			2.614			99900						
27	2.596	2.48	2.48	7.3	7.6				8.8							0.79	8090	50000	5.9	2590	2250	210			2.476			0						
28	2.741	2.48	2.48	7.3	7.5				8.5							0.86	8150	40000	5.7	2490	2180	220			2.542			0						
29																																		
30																																		
31																																		
Tot.	74.60	69.44	69.44													22.03										69.346			874000					
Avg.	2.664	2.48	2.48	7.4	7.8				8.6			265	3	161	3	0.787	7474.6	46428.57	4.961	2567	2286	230			2.4766	1.391		31214.286	0.57	0.49	13			

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
25373
21064
28029
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