



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

November 19, 2014

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

**RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for October of 2014**

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 2014.

There were no exceedences, bypasses or overflows to report.

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

Sincerely,

John Kessel
Process Supervisor, West region

JK/ Floyds Fork 10/14

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, KY 40245

Report Dates & Status			
Monitoring Period:	From 10/01/14 to 10/31/14	DMR Due Date:	11/28/14
Status:	NetDMR Validated		

Considerations for Form Completion			
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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	=	8				=	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	=	8				=	8.4			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	=	25	=	37	26 - lb/d	=	1	=	1	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	=	7827	=	8780	26 - lb/d	=	415	=	472	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	=	8	=	9	26 - lb/d	=	0.4	=	0.5	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	=	391	=	424	26 - lb/d	=	20	=	22	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	=					=	0.3	=	0.4	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	=	2.45	=	5.26	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, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	63	=	86	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	=	4542	=	5561	26 - lb/d	=	245	=	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														
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	=	100							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
FFMOR102014.XLS	xls	329728
FloydsFork_cover_102014.pdf	pdf	16559

Report Last Saved By

FLOYDS FORK WQTC MSD

User: kevin.thompson@louisvillemsd.org

Date/Time: 2014-11-25 10:23 (Time Zone: -05:00)

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemsd.org

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: October 2014
 KPDES PERMIT NUMBER KY0102784 PLANT CAPACITY 3.5 MGD RECEIVING STREAM FLOYDS FORK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH		SETTLEABLE 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	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	RETURN	WASTE	GAL/DAY X1000	MLSS X1000	GAL/DAY X1000	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x1000	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					
																														30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000				
1	1.849	2.48	2.48	7.7	8.3								8.6		418		1	231		3	0.74	6460	45000	5.0	2120	1780	230		1.825						1.085	44100	0.27	0.22			
2	1.834	2.48	2.48	7.7	8.2								8.9		604		1	666		3	0.75	5550	50000	5.2	2000	1710	230		1.761							69300	0.36	0.39	2		
3	2.028	2.48	2.48	7.6	8.0								8.7								0.70	6500	50000	5.4	2070	1780	230		1.923							63000			2		
4	2.055	2.48	2.48	7.6	8.0								8.9								0.92	4400	50000	6.0	1840	1460	220		2.024							0					
5	2.083	2.48	2.48	7.6	8.0								8.7		368			2	169		4	0.66	5610	50000	6.0	1930	1610	210		2.025						0	0.55	0.39			
6	2.161	2.48	2.48	7.7	8.2								9.0								0.75	5720	50000	6.9	2060	1750	220		2.051							0			3		
7	2.384	2.48	2.48	7.6	8.3								8.9								0.75	6640	50000	4.2	2140	1850	220		2.221							0					
8	2.087	2.48	2.48	7.7	8.2								8.8		398			1	212		3	0.79	6100	50000	4.5	2230	1890	230		2.113					1.108	69300	0.31	0.45			
9	2.126	2.48	2.48	7.6	8.3								8.9		636			1	251		3	0.69	7060	45000	5.2	2000	1690	230		2.039							67800	0.42	0.62	2	
10	2.794	2.48	2.48	7.5	8.4								9.0								0.71	7260	45000	4.2	2140	1780	210		2.711							67800			2		
11	2.765	2.48	2.48	7.6	8.3								9.1								0.71	7010	40000	5.0	2090	1700	210		2.784							18000					
12	2.553	2.48	2.48	7.6	8.2								8.8		382			1	179		3	0.97	7190	40000	6.0	2110	1790	220		2.49							0	0.23	0.39		
13	2.858	2.48	2.48	7.6	8.3								8.9								0.86	6860	40000	2.8	2210	1890	250		2.767							0			2		
14	5.258	2.48	2.48	7.6	8.3								8.7								1.27	7330	45000	2.6	2270	1940	250		5.981							0					
15	3.838	2.48	2.48	7.6	8.3								8.6		228			2	114		3	1.36	7240	40000	7.0	2520	2140	250		5.948						1.034	56400	0.40	0.34		
16	3.307	2.48	2.48	7.7	8.3								8.5		248			1	164		3	1.34	6550	65000	5.3	2520	2110	300		3.479							63000	0.33	0.34	2	
17	2.668	2.48	2.48	7.7	8.3								8.1								1.49	6420	65000	5.2	2480	2060	300		2.51							37800			2		
18	2.501	2.48	2.48	7.6	8.3								8.0								1.25	6630	40000	5.0	2510	2020	290		2.51							0					
19	2.382	2.48	2.48	7.7	8.3								8.0		450			1	239		4	1.25	6600	40000	5.1	2310	2030	300		2.487							0	0.28	0.34		
20	2.328	2.48	2.48	7.7	8.3								8.2								1.34	6480	40000	4.2	2400	2060	300		2.322							0			2		
21	2.797	2.48	2.48	7.7	8.3								8.0								0.68	6380	45000	3.9	2550	2000	300		2.293							0					
22	2.197	2.48	2.48	7.6	8.2								8.2		462			1	282		3	0.77	7360	40000	4.0	2390	1960	290		2.25						1.1	56700	0.23	0.50		
23	2.107	2.48	2.48	7.7	8.2								8.3		428			1	248		3	0.74	6370	50000	3.5	2590	2080	300		2.183							49500	0.19	0.28	2	
24	2.066	2.48	2.48	7.7	8.2								8.2								0.80	6620	50000	5.9	2400	2010	290		2.077							24600			2		
25	2.159	2.48	2.48	7.7	8.2								8.0								0.89	6470	40000	3.2	2380	1970	300		2.171							0					
26	2.167	2.48	2.48	7.7	8.2								8.0		356			2	189		3	0.62	6580	40000	4.3	2410	2030	300		2.27							0	0.17	0.50		
27	2.187	2.48	2.48	7.6	8.4								8.2								0.83	7230	45000	3.9	2520	2110	290		2.114							0			2		
28	2.160	2.48	2.48	7.7	8.4								8.3								0.79	7700	50000	4.6	2400	2020	290		2.127							0					
29	2.069	2.48	2.48	7.7	8.3								8.0								0.77	7270	50000	4.3	2430	2020	280		2.114						1.65	69300					
30	1.977	2.48	2.48	7.7	8.4								8.4								0.85	7110	50000	5.0	2350	1950	290		2.054							69300					
31	2.061	2.48	2.48	7.7	8.3								8.3								0.79	7410	50000	5.6	2420	2050	290		2.053							75600					
Tot.	75.81	76.9	76.9																		27.828									77.677							901500				
Avg.	2.445	2.48	2.48	7.7	8.3								8.5		415			1	245		3	0.89768	6649	46774.1935	4.81	2283.548	1911	262		2.50571						1.1954	29080.6	0.31	0.40	2	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

23289
FLOW

29432
CBOD

40287
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