



Louisville and Jefferson County Metropolitan Sewer District  
700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
[www.msdlouky.org](http://www.msdlouky.org)

December 11, 2014

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

**RE: Floyds Fork WQTC, KPDES No: KY0102784  
Discharge Monitoring Report for November 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 November 2014.

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

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", is written over a light blue horizontal line.

John Kessel  
Process Supervisor, West region

JK/ Floyds Fork 11/14

Enclosures

cc: T. Singleton  
R. Shaw  
C. Roth



*Beneficial Use of Louisville's Biosolids*  
[www.louisvillegreen.com](http://www.louisvillegreen.com)

**DMR Copy of Record**

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

<b>Report Dates &amp; Status</b>			
<b>Monitoring Period:</b>	<b>From 11/01/14 to 11/30/14</b>	<b>DMR Due Date:</b>	<b>12/28/14</b>
<b>Status:</b>	<b>NetDMR Validated</b>		

**Considerations for Form Completion**

<b>Principal Executive Officer</b>			
<b>First Name:</b>	Greg	<b>Title:</b>	Exec Director
<b>Last Name:</b>	Hetizman	<b>Telephone:</b>	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	=	7.2				=	8.7			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	=	37	=	56	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.	<=	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	=	11242	=	14204	26 - lb/d	=	553	=	704	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	=	14	=	32	26 - lb/d	=	0.6	=	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	=	411	=	431	26 - lb/d	=	21	=	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	=		=			=	0.2	=	0.3	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	=	2.34	=	4.07	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	=	4	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	=	81	=	119	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, 05 day, 20 C	G - Raw Sewage Influent	0	--	Sample	=	6495	=	9111	26 - lb/d	=	321	=	451	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
FF112014_MOR.XLS	xls	328192
FF_Cover_112014.pdf	pdf	16235

**Report Last Saved By**

**FLOYDS FORK WQTC MSD**

User: kevin.ries@louisvillemsd.org	Date/Time: 2014-12-17 09:50 (Time Zone: -05:00)
Name: Kevin Ries	
E-Mail: kevin.ries@louisvillemsd.org	

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: November 2014  
 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	WASTED	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	2.261	2.48	2.48	7.7	8.4				8.6							0.80	7550	50000	6.2	2450	2080	290	290	2.317						18900					
2	2.109	2.48	2.48	7.7	8.3				8.8		314		3	261		0.89	7450	50000	3.9	2430	2020	290		2.228						0	0.35	0.22			
3	2.116	2.48	2.48	8.0	8.5				8.8		427		1	236		0.83	6350	50000	3.0	2280	1900	300		2.15					0	0.23	0.39	2			
4	2.043	2.48	2.48	8.0	8.5				8.6		478		2	225		0.79	7550	50000	3.3	2310	1950	300		2.068					12000	0.19	0.50	2			
5	2.056	2.48	2.48	7.9	8.3				8.7							0.82	7300	50000	3.2	2250	1970	250		2.091			1.251	68100			2				
6	2.113	2.48	2.48	7.9	8.4				8.5							0.77	7360	50000	2.8	2290	1830	270		2.132					107100						
7	1.916	2.48	2.48	7.8	8.5				8.7							0.78	7650	50000	6.5	2200	1810	270		2.011				68400							
8	2.061	2.48	2.48	7.7	8.4				8.6							0.87	7630	4000	6.0	2280	1800	260		2.112				0							
9	2.013	2.48	2.48	8.0	8.7				8.9		704		1	339		0.75	8110	40000	6.3	2160	1850	260		2.117				0	0.15	0.34					
10	1.913	2.48	2.48	7.9	8.5				8.8		688		2	318		0.73	7380	50000	2.8	2360	1990	260		1.994				0	0.14	0.50	12				
11	2.086	2.48	2.48	8.1	8.7				8.7		367		1	378		0.80	5830	50000	5.1	2210	1920	280		1.976				50400	0.16	0.34	2				
12	1.989	2.48	2.48	7.9	8.5				8.8							0.70	6490	50000	6.8	2270	1970	260		1.998			1.134	68100			2				
13	1.933	2.48	2.48	7.9	8.4				8.7							0.78	6990	50000	4.0	2290	1960	260		1.966				43500							
14	1.844	2.48	2.48	7.8	8.5				8.8							0.69	6790	50000	3.9	2310	1990	260		1.922				12600							
15	1.913	2.48	2.48	7.9	8.5				8.9							0.75	6610	40000	5.2	2280	1910	270		1.989			0								
16	2.125	2.48	2.48	7.9	8.5				8.6		985		1	640		0.79	6690	40000	4.3	2340	1960	260		2.019				0	0.19	0.34					
17	2.851	2.48	2.48	7.8	8.4				8.8		450		2	302		0.69	6640	45000	2.8	2150	1870	260		2.634				0	0.22	0.90	2				
18	2.564	2.48	2.48	7.8	8.3				8.6		676		2	412		0.76	6920	50000	6.0	2340	2010	260		2.383				0	0.21	0.50	2				
19	2.565	2.48	2.48	7.7	8.4				8.5							0.60	7000	45000	8.2	2460	2080	280		2.248			1.03	56700			2				
20	2.434	2.48	2.48	7.6	8.3				8.7							0.83	6250	45000	4.0	2500	2200	300		2.266				65700							
21	2.257	2.48	2.48	7.5	7.9				8.5							0.79	7140	50000	4.2	2510	2130	300		2.143				63000							
22	2.318	2.48	2.48	7.4	7.8				8.8							0.67	7010	40000	4.3	2490	2010	300		2.134				0							
23	2.997	2.48	2.48	7.5	7.7				8.5		616		2	231		0.80	7000	40000	4.0	2480	2000	300		2.679				0	0.34	2.10					
24	4.066	2.48	2.48	7.5	7.8				8.1		392		2	257		0.83	9860	40000	3.4	2260	1920	280		3.972				69300	0.15	1.00	2				
25	2.948	2.48	2.48	7.4	7.7				8.7		538		2	252		0.97	7390	40000	5.2	2610	2260	300		2.914				87600	0.52	0.34	2				
26	2.731	2.48	2.48	7.2	7.6				8.9							1.01	7120	40000	6.6	2640	2230	300		2.655				75600				2			
27	2.633	2.48	2.48	7.2	7.2				7.5							0.97	7640	40000	5.7	2580	2260	300		2.525				18900							
28	2.429	2.48	2.48	7.3	7.4				8.2							0.79	7210	50000	5.5	2590	2200	300		2.322				0							
29	2.432	2.48	2.48	7.3	7.4				8.5							0.87	6930	45000	5.0	2500	2180	300		2.248				0							
30	2.495	2.48	2.48	7.2	7.3				8.3							0.88	7160	45000	4.8	2540	2220	300		2.338				0							
31																																			
Tot.	70.21	74.4	74.4						8.6							24									68.55				885900						
Avg.	2.340	2.48	2.48	7.7	8.2				8.6		553		2	321		0.8	7166.67	44633.3	4.767	2378.667	2016	280.7		2.285			1.138	29530	0.24	0.62	2				

RESIDENTIAL 22289 INDUSTRIAL WASTE POPULATION EQUIVALENT 51392  
 COMMERCIAL 36847 FLOW TSS  
 INDUSTRIAL OPERATOR Randolph P. Kustes Jr. CERT. NO. 14555

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

502-540-6000  
 PLANT TELEPHONE