



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)

September 9, 2014

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

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

There were no exceedances, bypasses or overflow's to report.

If you have any questions concerning the attached DMR's, please contact me at (502) 587-5856

Sincerely,

A handwritten signature in black ink, appearing to read "JK", is written over a horizontal line.

John Kessel  
Process Supervisor of Metro Operations

JK/ Floyds Fork 08/14

Enclosures

cc: T. Singleton  
R. Shaw



*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>	FLOYDS FORK WQTC MSD	<b>Facility Location:</b>	1100 BLUE HERRON RD LOUISVILLE, KY 40245

<b>Report Dates &amp; Status</b>			
<b>Monitoring Period:</b>	<b>From 08/01/14 to 08/31/14</b>	<b>DMR Due Date:</b>	<b>09/28/14</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	=	6.9				=	7.6			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	=	49	=	61	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	=	7114	=	9325	26 - lb/d	=	306	=	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	1	--	Sample	=	26	=	76	26 - lb/d	=	1	=	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	=	419	=	467	26 - lb/d	=	19	=	25	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	=	2.59	=	3.8	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	=	47	=	55	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, 05 day, 20 C	G - Raw Sewage Influent	0	--	Sample	=	3545	=	4288	26 - lb/d	=	155	=	188	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	99/99 - Continuous 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	99/99 - Continuous 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
FloydsFork_Cover_082014.pdf	pdf	13984
FF082014_MOR.xls	xls	327168

**Report Last Saved By**

**FLOYDS FORK WQTC MSD**

User:	kevin.ries@louisvillemsd.org	Date/Time:	2014-09-23 13:42 (Time Zone: -04:00)
Name:	Kevin Ries		
E-Mail:	kevin.ries@louisvillemsd.org		

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: August 2014  
 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	RETURN		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)						
																		GAL/DAY x 1000	MLSS x 1000					GAL/DAY x 1000	30 MIN.	60 MIN.	GALLONS x 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS				WITHDRAWN GALLONS x 1000					
	RESIDENTIAL COMMERCIAL INDUSTRIAL <u>0</u> FLOW <u>24684</u> CBOD <u>19666</u> TSS <u>31488</u> OPERATOR <u>Randolph P. Kustes Jr.</u> CERT. NO. <u>14555</u> TOTAL NUMBER OF SEWER CONNECTIONS <u>0</u> X <u>4</u> = <u>0</u> SEWERED POPULATION PLANT TELEPHONE <u>502-253-9310</u>																																							
1	2.070	2.48	2.48	7.3	7.6													0.702	6.7	56	3.4	2.3	1.95	250	2.021															
2	2.114	2.48	2.48	7.3	7.6													0.565	6.06	40	3	1.95	1.72	250	2.059															
3	2.137	2.48	2.48	7.3	7.6						344		2	180		2	0.616	9.04	40	3	1.96	1.65	250	2.071									31.5	0.17	0.28					
4	2.110	2.48	2.48	6.9	7.2						276		2	155		2	0.592	7	49	3.2	2.1	1.77	250	2.017									0	0.14	0.22	2				
5	2.104	2.48	2.48	7.0	6.9						395		2	210		2	0.549	7.37	46	3.4	2.08	1.81	250	1.981									0	0.14	0.14	2				
6	2.089	2.48	2.48	7.0	7.1						8.2						0.569	6.54	52	3	2.08	1.79	250	1.964					1.029								2			
7	2.132	2.48	2.48	7.0	7.2						8.0						0.582	7.46	47	3.2	2.13	1.84	250	1.965																
8	2.855	2.48	2.48	7.0	7.3						8.2						0.754	7.89	45	3	2.16	1.92	220	2.671																
9	2.907	2.48	2.48	7.2	7.5						8.1						0.535	7.58	47	3.2	2.19	1.95	230	2.728																
10	3.068	2.48	2.48	7.1	7.2						415		2	171		2	0.553	7.78	44	3.1	2.09	1.96	230	2.959										0	0.17	6.40				
11	3.091	2.48	2.48	7.0	7.1						8.5		3	147		2	0.898	8.52	40	3.5	2.6	1.82	230	3.346										86.7	0.17	5.10		2		
12	3.301	2.48	2.48	7.1	7.3						8.3		2	153		2	0.844	7.35	51	3.2	2.31	2.05	230	3.566										93	0.12	0.20		10		
13	2.706	2.48	2.48	6.9	7.1						8.2						0.941	7.36	40	7	2.35	1.98	250	2.659					1.085					80.7		0.07		3		
14	2.477	2.48	2.48	7.0	7.1						8.4						0.745	9.81	40	7	2.34	2.02	250	2.447										61.5						
15	2.242	2.48	2.48	7.0	7.1						8.3						0.784	6.98	40	7	2.13	1.85	250	2.183										63						
16	2.281	2.48	2.48	7.1	7.1						8.4						0.805	6	60	6.8	2.2	1.89	250	2.168										0						
17	2.796	2.48	2.48	7.0	7.2						8.2			306		2	0.666	6.92	55	6.5	2.27	1.85	250	2.644										0	0.29	0.07				
18	2.799	2.48	2.48	6.9	7.0						8.3			288		2	0.751	7.74	49	6.8	2.32	1.95	240	2.694										37.8	0.23	0.14		2		
19	2.564	2.48	2.48	6.9	7.2						8.2			296		2	0.743	7.27	50	4.5	2.22	1.84	240	2.444										54.9	0.36	0.08		2		
20	2.365	2.48	2.48	7.0	7.2						8.0						0.735	7.28	52	4.2	2.3	1.93	250	2.306					1.38					98.4				2		
21	2.303	2.48	2.48	6.9	7.1						8.2						0.721	7.12	52	5.4	2.27	1.9	250	2.197										105						
22	2.246	2.48	2.48	7.0	7.2						8.1						0.672	7.2	55	4.5	2.43	2.02	250	2.722										44.1						
23	3.804	2.48	2.48	7.0	7.2						8.0						1.876	7	53	5.2	2.21	1.96	250	3.951										0						
24	3.737	2.48	2.48	7.0	7.2						8.1			252		2	1.539	7.58	53	6	2.38	1.98	250	2.814										0	0.40	0.18				
25	3.235	2.48	2.48	6.9	7.3						8.5			234		2	0.918	7.13	60	6.2	2.73	2.27	250	2.537										0	0.28	0.14		2		
26	2.854	2.48	2.48	7.1	7.0						8.3			215		2	0.851	7.7	54	4.9	2.53	2.1	240	3.393										75.6	0.17	0.62		2		
27	2.613	2.48	2.48	6.8	7.0						8.2						0.785	7.31	51	5	2.29	1.9	250	2.338					1.17				63					2		
28	2.379	2.48	2.48	6.9	7.0						8.3						0.862	7.6	50	4.6	2.27	1.89	250	2.286										73						
29	2.241	2.48	2.48	6.9	7.1						8.2						0.654	7.12	53	4.2	2.29	1.86	250	2.127										34.2						
30	2.326	2.48	2.48	6.9	7.2						8.3						0.783	8.14	45	4.4	2.22	1.81	250	2.189										0						
31	2.397	2.48	2.48	6.9	7.0						8.2						0.702	7.91	45	4	2.19	1.75	250	2.211										0						
Tot.	80.35	76.88	76.88														24.29								77.658										1182.7					
Avg.	2.592	2.48	2.48	7.0	7.2						8.2			306		2	0.784	7.434	48.84	4.594	2.255	1.903	245.5		2.50509677							1.166		38.1516	0.22	1.05		2		

RESIDENTIAL COMMERCIAL INDUSTRIAL 0 FLOW 24684 CBOD 19666 TSS 31488 OPERATOR Randolph P. Kustes Jr. CERT. NO. 14555  
 TOTAL NUMBER OF SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION PLANT TELEPHONE 502-253-9310