



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)

February 13, 2015

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

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

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

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 "John Kessel", written in a cursive style.

John Kessel  
Process Supervisor, West region

JK/ Floyds Fork 1/15

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 01/01/15 to 01/31/15</b>	<b>DMR Due Date:</b>	<b>02/28/15</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	=	7.7				=	8.2			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	=	42	=	55	26 - lb/d	=	2	=	3	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	=	11409	=	14921	26 - lb/d	=	537	=	710	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	=	8	=	10	26 - lb/d	=	0.4	=	0.4	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	=	788	=	1142	26 - lb/d	=	38	=	55	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	=		=			=	0.5	=	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	=	2.45	=	3.14	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	=		=			=	3	=	6	13 - #/100mL	0	99/99 - Continuous 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	=	64	=	70	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	=	10321	=	15502	26 - lb/d	=	488	=	739	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
FF012015_MOR.XLS	xls	330240
FF_Cover_012015.pdf	pdf	16176

**Report Last Saved By**

**FLOYDS FORK WQTC MSD**

User: kevin.ries@louisvillemsd.org	Date/Time: 2015-02-18 09:41 (Time Zone: -05:00)
Name: Kevin Ries	
E-Mail: kevin.ries@louisvillemsd.org	

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

DATE	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		
	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	2.509	2.48	2.48	7.4	8.0				8.8		544		1	234		3	0.77	6300	40000	6.0	2800	1730	250		2.437				49800	0.39	0.50			
2	2.421	2.48	2.48	7.3	8.1				8.7								0.87	7480	50000	4.0	2550	2250	250		2.303				81300			2		
3	2.779	2.48	2.48	7.3	8.2				8.6								1.01	7290	50000	2.9	2590	2230	250		2.573				0					
4	3.144	2.48	2.48	7.3	8.0				8.7		544		2	441		3	0.84	7340	50000	4.0	2570	2200	250		3.006				0	0.34	0.39			
5	2.743	2.48	2.48	7.4	7.8				8.6		564		1	307		3	0.85	7220	50000	5.5	2680	2350	250		2.563			1.25	0	0.47	0.39	2		
6	2.584	2.48	2.48	7.4	8.1				8.7								0.83	7150	50000	7.0	2560	2290	250		2.525				0			2		
7	2.480	2.48	2.48	7.4	8.0				8.9								0.84	6250	50000	7.2	2480	2260	250		2.432				50400					
8	2.505	2.48	2.48	7.3	7.8				8.7		552		2	365		3	0.83	6430	50000	7.8	2530	2210	250		2.415				56700	0.58	0.34			
9	2.328	2.48	2.48	7.3	7.8				8.8								0.78	6970	50000	6.2	2420	2120	250		2.244				80700			2		
10	2.361	2.48	2.48	7.4	7.7				8.6								0.77	6670	40000	6.0	2430	2140	250		2.28				18900					
11	2.470	2.48	2.48	7.4	7.8				8.7		712		2	458		3	0.78	6410	40000	4.4	2380	2220	250		2.313				0	0.03	0.50			
12	2.574	2.48	2.48	7.4	7.9				8.6		865		1	483		3	0.79	7030	50000	3.9	2500	2220	250		2.405				0	0.57	0.34	2		
13	2.567	2.48	2.48	7.3	8.0				8.7								0.81	7340	50000	6.1	2610	2320	240		2.341			1.25	0			6		
14	2.353	2.48	2.48	7.2	7.9				8.5								0.86	7670	50000	4.9	2430	2180	250		2.353				56700					
15	2.305	2.48	2.48	7.3	8.1				8.7		605		2	354		3	0.78	7160	50000	4.5	2520	2220	240		2.19				88200	0.60	0.07			
16	2.162	2.48	2.48	7.2	8.0				8.5								0.88	6040	50000	4.3	2430	2160	250		2.121				81900			2		
17	2.284	2.48	2.48	7.4	7.7				8.8		342		3	440		3	0.75	7110	50000	4.4	2400	2240	250		2.167				0	0.59	0.50			
18	2.364	2.48	2.48	6.7	7.8				8.9								0.80	5200	44820	4.5	2280	2060	250		2.254				0			5		
19	2.430	2.48	2.48	7.1	7.9				8.5		590		2	555		3	0.80	6290	50000	4.0	2730	1870	250		2.259				0	0.47	0.07			
20	2.282	2.48	2.48	6.9	7.9				8.6								0.72	7190	50000	3.5	2850	2470	240		2.131			1.46	31500			4		
21	2.248	2.48	2.48	6.7	7.8				8.8								0.74	7370	50000	7.6	2440	2170	240		2.132				63000					
22	2.249	2.48	2.48	6.7	7.8				8.7		352		3	678		3	0.72	7070	50000	4.5	2580	2050	240		2.082				69300	0.42	0.32			
23	2.196	2.48	2.48	6.6	8.0				8.5								0.68	7690	50000	4.3	2390	2120	210		2.017				12600			3		
24	2.400	2.48	2.48	6.8	8.0				8.7								0.78	7490	50000	5.0	2480	2170	230		2.265				0					
25	2.589	2.48	2.48	6.7	8.0				8.6		360		3	701		3	0.80	7280	50000	4.0	2370	2120	230		2.392				0	0.61	0.24			
26	2.666	2.48	2.48	6.6	7.7				8.8		410		2	839		3	0.80	7910	50000	3.7	2290	2040	220		2.42			1.42	0	0.42	0.56	6		
27	2.482	2.48	2.48	6.7	7.9				8.5								0.77	7200	50000	7.0	2480	2170	210		2.316				49800			10		
28	2.346	2.48	2.48	7.4	7.8				8.3								0.78	6160	50000	4.8	2300	2000	240		2.234				81900					
29	2.405	2.48	2.48	7.5	8.0				8.7								0.79	8480	40000	4.5	2470	2190	250		2.188				56100					
30	2.242	2.48	2.48	7.5	7.9				8.5								0.69	8430	40000	4.6	2500	2200	250		2.123				6300					
31	2.360	2.48	2.48	7.4	7.8				8.8								0.83	7720	40000	4.5	2460	2160	230		2.209				0					
Tot.	75.83	76.9	76.9														24.7									71.69				935100				
Avg.	2.446	2.48	2.48	7.2	7.9				8.7		537		2	488		3	0.8	7075.5	47897.42	5.02	2500	2165.48	243		2.3125806			1.34	30164.5161	0.46	0.35	3		

RESIDENTIAL  
COMMERCIAL  
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

23295 FLOW 58549 CBOD 52132 TSS

Randolph P. Kustes Jr.

14555

OPERATOR

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-253-9310

PLANT TELEPHONE