



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

February 6, 2016

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

**RE: Floyds Fork WQTC, KPDES No: KY0102784  
Discharge Monitoring Report for January 2016.**

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 2016.

There were no exceedances, overflows or bypasses to report.

If you have any questions concerning the attached DMR's, please contact me at (502) 715-2789

Sincerely,

A handwritten signature in black ink, appearing to read "Staci Huber".

Staci Huber  
Process Supervisor

SMH/ Floyds Fork 1/16

Enclosures

cc: T. Singleton  
R. Shaw



*Beneficial Use of Louisville's Biosolids  
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 01/01/16 to 01/31/16</b>	<b>DMR Due Date:</b>	<b>02/28/16</b>
<b>Status:</b>	<b>NetDMR Validated</b>		

**Considerations for Form Completion**

<b>Principal Executive Officer</b>			
<b>First Name:</b>	James A.	<b>Title:</b>	Executive Director
<b>Last Name:</b>	Parrott	<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	01/01 - Daily	GR - GRAB	
					Permit Req.					>=	7 INST MIN					19 - mg/L	01/07 - Weekly	GR - GRAB	
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample					=	7.1			=	8	12 - SU	01/01 - Daily	GR - GRAB	
					Permit Req.					>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU	01/07 - Weekly	GR - GRAB	
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	71	=	76	26 - lb/d		=	3	=	3	19 - mg/L	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.	<=	1626 MO AVG	<=	2439 MX WK AV	26 - lb/d		<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample					=	475			=	553	19 - mg/L	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.												19 - mg/L	01/07 - Weekly	24 - COMP24
					Value NODI														
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample					=	13			=	14	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.												19 - mg/L	01/07 - Weekly	24 - COMP24
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	39	=	80	26 - lb/d		=	2	=	3	19 - mg/L	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.	<=	163 MO AVG	<=	244 MX WK AV	26 - lb/d		<=	3 MO AVG	<=	4.5 MX WK AV	19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=	7	=	8	26 - lb/d		=	0.3	=	0.3	19 - mg/L	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.	<=	27.1 MO AVG	<=	40.7 MX WK AV	26 - lb/d		<=	.5 MO AVG	<=	.75 MX WK AV	19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	2.81	=	2.892	03 - MGD							99/99 - Continuous	CN - CONTIN	
					Permit Req.													99/99 - Continuous	RE - Record (manual)
					Value NODI														
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	2.907	=	3.007	03 - MGD							99/99 - Continuous	CN - CONTIN	
					Permit Req.													99/99 - Continuous	RE - Record (manual)
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample					=	5			=	13	13 - #/100mL	03/07 - Three Per Week	GR - GRAB	
					Permit Req.								<=	130 30DA GEO	<=	240 7 DA GEO	13 - #/100mL	01/07 - Weekly	GR - GRAB
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	57	=	71	26 - lb/d		=	2	=	3	19 - mg/L	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.	<=	325 MO AVG	<=	488 MX WK AV	26 - lb/d		<=	6 MO AVG	<=	9 MX WK AV	19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample					=	261			=	284	19 - mg/L	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.												19 - mg/L	01/07 - Weekly	24 - COMP24
					Value NODI														
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample					=	99					23 - %	01/30 - Monthly	CA - CALCTD	
					Permit Req.												23 - %	01/30 - Monthly	CA - CALCTD
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample					=	99					23 - %	01/30 - Monthly	CA - CALCTD	
					Permit Req.												23 - %	01/30 - Monthly	CA - CALCTD
					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
201601_FloydsFork_MOR.pdf	pdf	1021882
201601_FloydsFork_coverletter.pdf	pdf	385901

**Report Last Saved By**

**FLOYDS FORK WQTC MSD**

User: staci.huber@louisvillemsd.org	Date/Time: 2016-02-17 18:39 (Time Zone: -05:00)
Name: Staci Huber	
E-Mail: staci.huber@louisvillemsd.org	

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: January 2016  
 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	CAL/DAY X 1000	MLSS X 1000	CAL/DAY X 1000	WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) X 1000	30 MIN.	60 MIN.	GALLONS X 1000	RAW		HAULED		WITHDRAWN GALLONS X 1000	PHOSPHORUS, TOTAL (mg/L)	NH3-N (mg/L)	ECOLI	Total Nitrogen	TOTAL FLOW (MILLION GALLONS)	
																												% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS							
1	3.628	2.48	2.48	7.4	7.2				9.3								0.538	8610	51000		4.0	2680	2110	250		3.33				66300								3.32775
2	3.062	2.48	2.48	7.4	7.1				9.1								0.613	9030	45000		4.5	2690	2100	250		3.16				0								3.16178
3	2.964	2.48	2.48	7.4	7.2				9.0		602		3	350		2	0.763	8500	45000		3.0	2550	2110	250		3.14				0	0.30	1.90					3.13826	
4	2.697	2.48	2.48	7.4	7.7				9.2		706		3	217		2	0.608	8330	47000		2.9	2410	1940	250		2.87		1.533		12600	0.30	3.10	4	11.2		2.86665		
5	2.552	2.48	2.48	7.3	7.8				8.8		350		3	286		2	0.695	8510	45000		3.2	2320	1960	250		2.73				31500	0.30	0.73	7				2.73325	
6	2.484	2.48	2.48	7.4	7.7				8.4								0.681	8710	45000		3.2	2360	2030	250		2.67				31500			2				2.66695	
7	2.466	2.48	2.48	7.2	7.8				9.7								0.711	7200	55000		4.5	2410	2040	240		2.61				55500							2.61273	
8	2.819	2.48	2.48	7.2	7.9				9.2								0.713	8170	48000		3.9	2380	1940	250		2.87				110400							2.86677	
9	2.861	2.48	2.48	7.2	7.8				9.1								0.718	8320	45000		3.4	2430	2010	250		2.92				31500							2.92259	
10	3.355	2.48	2.48	7.3	7.8				9.2		752		3	247		3	0.590	8470	45000		4.0	2400	2030	250		3.46				18900	0.30	1.20					3.45676	
11	2.918	2.48	2.48	7.3	7.9				9.4		444		3	261		2	0.688	8230	47000		3.9	2390	1990	250		3.08				0	0.30	0.34	6	13.69			3.07971	
12	2.819	2.48	2.48	7.2	7.8				9.2		436		3	228		2	0.680	9890	36400		4.6	2180	1960	250		2.95		1.644		80400	0.30	0.22	3				2.94945	
13	2.750	2.48	2.48	7.3	7.8				9.6								0.730	8980	42000		5.8	2290	1980	250		2.91				73200			1				2.91226	
14	2.723	2.48	2.48	7.4	8.0				9.4								0.824	8100	46000		4.8	2300	1980	240		2.86				111300							2.86356	
15	2.792	2.48	2.48	7.3	7.8				8.8								0.715	8060	48000		3.2	2350	1960	240		2.85				25200							2.85289	
16	2.981	2.48	2.48	7.3	8.0				8.6								0.710	7100	45000		3.5	2120	1860	240		2.99				0							2.99005	
17	2.802	2.48	2.48	7.5	7.7				8.4		302		3	196		2	0.755	8290	41000		5.2	2100	1800	230		2.93				0	0.30	0.20					2.92496	
18	2.703	2.48	2.48	7.2	7.9				8.6		390		3	266		2	0.787	7780	47000		6.0	2220	1810	230		2.87		1.19		63000	0.30	1.00	4	13.39			2.8667	
19	2.495	2.48	2.48	7.3	7.8				9.0		388		3	264		3	0.748	7070	49000		3.9	2120	1870	240		2.68				12600	0.30	1.00	11				2.67984	
20	2.534	2.48	2.48	7.5	7.4				8.5								0.750	8060	47000		3.6	2290	1900	230		2.63				0			6				2.63455	
21	2.467	2.48	2.48	7.4	7.6				8.7								0.703	7220	49000		3.3	2180	1810	230		2.55				0							2.55142	
22	2.514	2.48	2.48	7.4	7.7				8.6								0.816	7170	53000		3.5	2320	1910	230		2.58				19000								2.57819
23	2.551	2.48	2.48	7.1	7.7				9.3								0.674	7380	54000		4.0	2420	1980	250		2.62				17100								2.62208
24	2.606	2.48	2.48	7.2	7.6				9.7		356		3	176		4	0.675	11000	39000		3.8	2600	2210	250		2.74				12000	0.30	4.50					2.73467	
25	2.731	2.48	2.48	7.3	7.8				9.5		462		3	329		3	0.731	8590	40000		3.9	2140	1700	240		2.74				135000	0.30	2.80	13	13.1			2.73968	
26	3.504	2.48	2.48	7.3	7.8				9.2		516		3	312		2	0.701	8420	44000		3.6	2270	1890	240		3.56		1.288		75600	0.30	2.70	21				3.55853	
27	3.258	2.48	2.48	7.3	7.9				9.4								0.688	8800	38000		4.8	2040	1810	200		3.34				69300			9				3.33675	
28	2.904	2.48	2.48	7.2	7.7				9.8								0.854	8950	50000		4.2	2730	2150	210		3.07				100500							3.06471	
29	2.634	2.48	2.48	7.4	7.7				9.7								0.803	8560	57000		4.4	2980	2250	250		2.77				37800								2.76718
30	2.696	2.48	2.48	7.3	7.5				9.3								0.805	8270	50000		4.6	2690	2110	250		2.80				0							2.79686	
31	2.818	2.48	2.48	7.2	7.5				9.6								0.804	8120	50000		3.0	2660	2180	240					0								2.85277	
Tot.	87.09	76.88	76.88														22.27													1190200								90.11
Avg.	2.809	2.48	2.48	7.3	7.7				9.1		475		3	261		2	0.718	8319	46561		4.006	2388	1980	241.3		2.908		1.414		38393.5	0.30	1.64	5	12.85			2.907	

RESIDENTIAL COMMERCIAL INDUSTRIAL \_\_\_\_\_  
 INDUSTRIAL WASTE POPULATION EQUIVALENT  
 FLOW 26755      CBOD 35971      TSS 53032  
 OPERATOR Randolph P. Kustes Jr.      CERT. NO. 14555

TOTAL NUMBER OF SEWER CONNECTIONS 0  
 SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION  
 PLANT TELEPHONE 502-540-6000