



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

August 20, 2013

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

**RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for August of 2013**

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 of 2013

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

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

Sincerely, 

Richard Mills
Process Supervisor of Metro Operations

RM/ Floyds Fork 08/13

Enclosures

cc: T. Singleton
R. Shaw



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 08/01/13 to 08/31/13	DMR Due Date:	09/28/13
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	Greg	Title:	Executive Director
Last Name:	Heitzman	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									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				=	8			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	=	29	=	31	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	=	5637	=	6786	26 - lb/d	=	386	=	462	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	=	4	=	5	26 - lb/d	=	0.3	=	0.4	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	=	317	=	320	26 - lb/d	=	22	=	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	=	0.2	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	=	1.77	=	3.15	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	=	5	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	=	31	=	36	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.	<=	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	=	2209	=	2764	26 - lb/d	=	152	=	181	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	=	99								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
201308FloydsFork_MOR.PDF	pdf	35371
201308FloydsFork_CoverLetter.PDF	pdf	14869

Report Last Saved By

FLOYDS FORK WQTC MSD

User:	millsr@louisvillemsd.org	Date/Time:	2013-09-26 15:13 (Time Zone: -04:00)
Name:	Richard Mills		
E-Mail:	millsr@louisvillemsd.org		

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	GAL/DAY X 1000	MLSS X 1000	GAL/DAY 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	1.686	2.48	2.48	7.3	8.0						330		2	144		2	0.626	7.04	40	4	2.23	1.32	250		1.933					63	0.20	0.45	2		
2	1.646	2.48	2.48	7.2	7.8												0.705	5.73	40	4.1	2.16	1.76	250		1.867					49.2					
3	1.670	2.48	2.48	7.3	8.0												0.628	5.61	40	3.2	2.36	1.96	250		1.907					0					
4	1.640	2.48	2.48	7.2	7.8						360		2	121		4	1.29	5.33	40	3.7	2.04	1.74	250		1.916					0	0.12	0.34	4		
5	1.584	2.48	2.48	7.2	7.9						340		2	136		2	0.71	7.21	52	4	2.32	1.95	230		1.84					55.5	0.18	0.39	4		
6	1.542	2.48	2.48	7.2	8.0												0.738	6.4	60	3.9	2.4	1.85	250		1.746					31.5					
7	1.584	2.48	2.48	7.2	8.0												0.631	6.78	58	3.2	2.38	1.93	250		1.807					69.3					
8	1.571	2.48	2.48	7.2	7.8						148		2	101		2	0.685	6.78	55	3.6	2.33	1.95	250		1.803					107.1	0.33	0.25	2		
9	1.649	2.48	2.48	7.2	7.7												0.641	4.43	40	3.4	2.35	1.89	250		1.872					61.4					
10	1.870	2.48	2.48	7.2	7.2												0.692	5.07	40	3.6	2.41	1.71	250		2.149					18.9					
11	1.793	2.48	2.48	7.3	7.8						290		2	160		2	0.711	8.7	40	3.2	2.38	1.94	250		2.149					0	0.23	0.28	2		
12	2.146	2.48	2.48	7.3	8.0						450		2	136		2	0.719	8.54	45	2.2	2.38	1.95	250		2.415					56.7	0.17	0.50	2		
13	3.150	2.48	2.48	7.3	7.9												0.814	10.55	38	2.5	2.44	2.03	250		3.567					99.3					
14	2.193	2.48	2.48	7.2	8.0												0.773	8.93	47	4.7	2.62	2.09	250		2.582					93					
15	1.972	2.48	2.48	7.1	7.9						400		2	149		2	0.752	5.08	50	5.2	2.44	1.99	250		2.337					11.9	0.27	0.28	2		
16	1.831	2.48	2.48	7.1	8.0												0.601	6.34	62	3	2.49	2.09	250		2.144					37.8					
17	1.841	2.48	2.48	7.1	8.1												0.655	6.18	40	3.6	2.39	1.96	250		2.057					18.6					
18	1.838	2.48	2.48	7.2	8.0						405		2	154		2	0.702	6.21	40	2.2	2.6	2.09	250		2.095					0	0.20	0.06	4		
19	1.746	2.48	2.48	7.2	7.8						520		2	239		2	0.718	6.6	40	3	2.58	2.13	250		2.019					56.7	0.10	0.11	20		
20	1.777	2.48	2.48	7.2	8.0												0.81	6.34	65	3.6	2.58	2.13	250		1.96					131.7					
21	1.716	2.48	2.48	7.3	8.1												0.681	6.22	67	3	2.62	2.19	250		1.948					81.6					
22	1.662	2.48	2.48	7.3	7.9						595		2	178		2	0.727	6.44	62	3	2.42	1.95	260		1.912					75.6	0.10	0.20	2		
23	1.580	2.48	2.48	7.4	7.9												0.826	6.28	62	3.3	2.51	2.12	260		1.854					75.6					
24	1.659	2.48	2.48	7.4	8.1												0.589	7.51	40	3.6	2.6	2.23	260		1.89					18.9					
25	1.661	2.48	2.48	6.9	8.0						390		2	155		2	0.786	8.57	40	2.9	2.4	1.98	260		1.909					0	0.16	0.20	2		
26	1.575	2.48	2.48	7.2	7.7						400		2	150		2	0.697	6.9	60	3.6	2.58	2.17	250		1.811					98.4	0.16	0.06	8		
27	1.541	2.48	2.48	7.2	7.8												0.706	7.85	54	3.2	2.58	2.11	250		1.804					100.8					
28	1.607	2.48	2.48	7.2	8.0												0.644	7.9	52	2.5	2.51	2.06	250		1.793					94.5					
29	1.536	2.48	2.48	7.3	7.9												0.669	6.61	63	3	2.51	2.11	250		1.815					44.1					
30	1.444	2.48	2.48	7.3	7.9												0.686	5.04	75	3.3	2.33	1.91	250		1.735					37.8					
31	2.155	2.48	2.48	7.3	7.9												0.721	4.87	40	4	2.45	2.1	250		2.483					0					
Tot.	54.76	76.88	76.88														22.333									63.119				1589					
Avg.	1.767	2.48	2.48	7.2	7.9						386		2	152		2	0.7204	6.711	49.9	3.397	2.432	1.98	250.6		2.0361					51.25	0.19	0.26	3		

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
16824
FLOW

13166
CBOD

27058
TSS

Randolph P. Kustes Jr.
OPERATOR

14555
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

0

502-253-9310