



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

March 13, 2014

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

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

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) 587-5856

Sincerely,

A handwritten signature in black ink, appearing to read "Kevin Thompson", written over a light blue horizontal line.

Kevin Thompson
Process Supervisor of Metro Operations

KT/ Floyds Fork 02/14

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

Report Dates & Status					
Monitoring Period:	From 02/01/14 to 02/28/14	DMR Due Date:	03/28/14	Status:	NetDMR Validated
Considerations for Form Completion					

Principal Executive Officer					
First Name:	Greg	Title:	Executive Director	Telephone:	502-540-6000
Last Name:	Heitzman				

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	=	9									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	=	7.5				=	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	=	96	=	230	26 - lb/d	=	4	=	8	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	=	7297	=	8711	26 - lb/d	=	287	=	331	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	=	10	=	18	26 - lb/d	=	0.4	=	0.7	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	=	341	=	356	26 - lb/d	=	14	=	16	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	=	0.8	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	=	3.06	=	6.83	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	=	3	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	=	61	=	99	26 - lb/d	=	2	=	4	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	=	3345	=	3964	26 - lb/d	=	132	=	152	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	=	98								23 - %	0	01/28 - Once Every 4 Weeks 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	01/28 - Once Every 4 Weeks 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
201402FloydsFork_Coverletter.pdf	pdf	16112
201402FloydsFork_MOR.pdf	pdf	44346

Report Last Saved By

FLOYDS FORK WQTC MSD

User: kevin.thompson@louisvillemsd.org

Date/Time: 2014-03-24 10:36 (Time Zone: -04:00)

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemsd.org

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: February 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	GAUDAY X 1000	MLSS X 1000	SLUDGE VOLUME	30 MIN.	60 MIN.	RAW			HAULED			PHOSPHORUS, TOTAL (mg/L)	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)				
																							GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000							
1	2.163	2.48	2.48	7.2	7.7					8.7								0.842	7.57	65.00	4.2	2.92	2.57	400			2.441								
2	3.027	2.48	2.48	7.1	7.9					8.9		190		2	99		2	1.192	8.83	53.00	3	2.78	2.4	400			3.967				107.1	0.58	1.70	2	
3	3.078	2.48	2.48	7.1	7.8					8.8		315		2	118		2	1.764	9.92	45.00	5.8	2.67	2.36	390			3.482				18.6	0.24	0.15	2	
4	3.366	2.48	2.48	7.3	7.9					8.9		305		21	170		7	2.315	7.83	64.00	7.6	3.03	2.6	390			3.839				55.2	1.35	0.28	8	
5	6.826	2.48	2.48	7.2	7.7					9.2								2.806	7.49	50.00	7.8	2.22	1.92	300			7.878				0.805	0			
6	3.881	2.48	2.48	7.2	7.7					9.5								2.762	5.58	81.00	7.6	2.78	2.38	350			4.229					42.6			
7	2.979	2.48	2.48	7.3	7.5					9.2								2.575	9.89	61.00	7.1	2.83	2.38	325			3.413					67.1			
8	2.784	2.48	2.48	7.2	7.6					9.3								2.9	8.36	55.00	6.9	2.72	2.3	400			3.136					42.5			
9	2.684	2.48	2.48	7.2	7.7					9.2		265		2	128		2	2.734	7.8	60.00	6.8	2.8	2.35	350			3.029				50.4	1.32	0.38	2	
10	3.022	2.48	2.48	6.9	7.8					9.0		480		2	230		2	2.458	7.65	60.00	4.5	2.8	2.33	350			3.387				64.8	0.33	0.2	2	
11	2.323	2.48	2.48	7.3	7.8					9.2		248		2	97		2	2.204	7.74	60.00	3.8	2.83	2.4	390			2.689				56.7	0.38	0.2	2	
12	2.213	2.48	2.48	7.1	7.8					9.1								2.243	7.43	64.00	5	2.88	2.48	390			2.627				0.866	73	0.49		
13	2.179	2.48	2.48	7.0	7.8					8.9								2.031	7.12	62.00	5.2	2.65	2.26	350			2.616					48	0.47		
14	2.504	2.48	2.48	7.2	7.5					9.0								0.582	7.35	62.00	5.5	2.75	2.34	350			2.804					127.8			
15	3.016	2.48	2.48	7.3	7.5					8.8								0.577	7.82	60.00	5.3	2.84	2.31	350			3.379					0			
16	2.813	2.48	2.48	7.3	7.6					8.9		255		2	134		2	0.418	5.47	77.00	6	2.55	2.19	350			3.133				37.8	0.54	0.21	2	
17	3.039	2.48	2.48	7.4	7.8					9.0		300		2	130		2	0.84	7	62.00	6.2	2.65	2.23	370			3.775				69.7	0.35	0.49	5	
18	4.479	2.48	2.48	7.3	7.8					9.1		336		2	146		2	2.494	5.05	78.00	6.2	2.41	2.15	300			5.005				150.2	0.16	0.34	2	
19	3.894	2.48	2.48	7.3	7.9					8.9								2.581	6.89	66.00	6.8	2.72	2.31	340			4.175				0.762	149.4			
20	3.373	2.48	2.48	7.5	7.8					8.8								2.586	6.16	70.00	7.2	2.6	2.28	350			3.676					120			
21	4.470	2.48	2.48	7.5	8.0					9.0								1.247	6.81	64.00	3.5	2.55	2.15	300			4.803					64.1			
22	3.066	2.48	2.48	7.4	7.9					8.9								2.334	6.81	70.00	4.6	2.65	2.23	320			3.471					71.8			
23	3.000	2.48	2.48	7.2	7.9					9.2		370		2	142		2	1.999	6.55	73.00	2.2	2.63	2.2	320			3.419				6.3	0.10	0.36	2	
24	2.574	2.48	2.48	7.2	7.9					9.0		185		3	81		2	2.427	5.32	86.50	7.8	2.56	2.17	300			2.913				96.2	0.13	0.22	2	
25	2.410	2.48	2.48	7.3	7.9					9.2		195		2	105		2	2.324	5.35	88.50	8	2.63	2.2	300			2.716				97.2	0.13	0.16	2	
26	2.250	2.48	2.48	7.2	7.8					9.0								1.774	6.13	70.00	6.7	2.33	1.91	300			2.633				1.05	102.4			
27	2.195	2.48	2.48	7.2	8.0					9.1								1.749	7.79	58.00	6.3	2.49	2.11	350			2.544					128.1			
28	2.065	2.48	2.48	7.3	8.0					10.0								0.696	7.08	65.00	7	2.47	2.05	320			2.403					84.1			
29																																			
30																																			
31																																			
Tot.	85.68	89.44	89.44							9.1		287		4	132		2	1.90907	7.157	65.357	5.879	2.669	2.27	346.6			97.562				2001				
Avg.	3.060	2.48	2.48	7.2	7.8					9.1		287		4	132		2	1.90907	7.157	65.357	5.879	2.669	2.27	346.6			3.48436				0.87075	71.48	0.49	0.42	2

RESIDENTIAL COMMERCIAL INDUSTRIAL INDUSTRIAL WASTE POPULATION EQUIVALENT
 FLOW 29142 CBOD 19765 TSS 34877 OPERATOR Randolph P. Kustes Jr. CERT. NO. 14555
 TOTAL NUMBER OF SEWER CONNECTIONS 0
 SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION PLANT TELEPHONE 502-253-9310