



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

December 19, 2013

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

RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for November 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 November 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,

A handwritten signature in cursive script that reads "Richard Mills".

Richard Mills
Process Supervisor of Metro Operations

RM/ Floyds Fork 11/13

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 11/01/13 to 11/30/13	DMR Due Date:	12/28/13
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											01/01 - Daily	GR - GRAB
					Permit Req.	>=	7 INST MIN										0	03/07 - Three Per Week	GR - GRAB
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	7.6				=	8.2						01/01 - Daily	GR - GRAB
					Permit Req.	>=	6 MINIMUM			<=	9 MAXIMUM					0	03/07 - Three Per Week	GR - GRAB	
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	53	=	101	26 - lb/d	=	2	=	2	19 - mg/L			03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	813 MO AVG	<=	1220 MX WK AV	26 - lb/d	<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	6705	=	9797	26 - lb/d	=	285	=	336	19 - mg/L			03/07 - Three Per Week	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	0	03/07 - Three Per Week	CP - COMPOS	
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	32	=	88	26 - lb/d	=	1	=	2	19 - mg/L			03/07 - Three Per Week	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	0	03/07 - Three Per Week	CP - COMPOS	
					Value NODI														
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	344	=	379	26 - lb/d	=	16	=	20	19 - mg/L			03/07 - Three Per Week	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	0	03/07 - Three Per Week	CP - COMPOS	
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=		=			=	0.4	=	0.6	19 - mg/L			03/07 - Three Per Week	CP - COMPOS
					Permit Req.					<=	1 MO AVG	<=	1.5 MX WK AV	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS		
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	2.65	=	6.24	03 - MGD								99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD						0	99/99 - Continuous	CN - CONTIN	
					Value NODI														
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample	=		=			=	3	=	10	13 - #/100mL			03/07 - Three Per Week	GR - GRAB
					Permit Req.					<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL	0	03/07 - Three Per Week	GR - GRAB		
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	61	=	133	26 - lb/d	=	2	=	3	19 - mg/L			03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	271 MO AVG	<=	407 MX WK AV	26 - lb/d	<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	G - Raw Sewage Influent	0	--	Sample	=	2921	=	3675	26 - lb/d	=	130	=	151	19 - mg/L			03/07 - Three Per Week	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	0	03/07 - Three Per Week	CP - COMPOS	
					Value NODI														
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample	=	98								23 - %			01/30 - Monthly	CA - CALCTD
					Permit Req.	>=	85 MO MIN								23 - %	0	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.	>=	85 MO MIN								23 - %	0	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
112013FloydsFork_Coverletter.PDF	pdf	14053
112013FloydsFork_MOR.PDF	pdf	36293

Report Last Saved By

FLOYDS FORK WQTC MSD

User: millsr@louisvillemsd.org

Date/Time: 2013-12-26 15:53 (Time Zone: -05:00)

Name: Richard Mills

E-Mail: millsr@louisvillemsd.org

NAME OF TREATMENT PLANT FLOYDS FORK
 KPDES PERMIT NUMBER KY0102784

COUNTY JEFFERSON
 PLANT CAPACITY 3.5 MGD

MONTH OF: November 2013
 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	GAL/DAY X 1000	MLSS X1000	GAL/DAY X 1000	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	4.871	2.48	2.5	7.0	8.0				8.3									0.96	9.05	40		4.9	2.24	1.78	200		5.232								
2	3.001	2.48	2.48	7.0	7.9				8.2									0.845	7.98	40		4.8	2.2	1.68	200		3.34								
3	2.544	2.48	2.48	7.0	7.9				8.3		240		2	111		2	0.7555	9.54	40		4.7	2.02	1.55	200		2.931					0	0.37	0.06	2	
4	2.382	2.48	2.48	7.4	8.0				8.0		280		2	120		2	0.748	5.82	55		3.8	2.03	1.65	200		2.667					0	0.41	0.06	2	
5	2.205	2.48	2.48	7.1	7.6				8.2		425		2	163		2	0.815	7.1	50		3.6	2.16	1.75	200		2.464					75.6	0.60	0.10	2	
6	2.187	2.48	2.48	7.2	7.6				7.9								0.788	5.52	60		3.4	2.02	1.58	200		2.409					75.6				
7	2.473	2.48	2.48	7.2	7.9				8.1								0.746	7.52	45		3.6	2.07	1.64	200		2.825					86.7				
8	2.197	2.48	2.48	7.2	7.9				7.9								0.717	7.8	40		6.3	1.89	1.57	200		2.508					0				
9	2.153	2.48	2.48	7.2	8.2				8.1								0.735	6.31	55		4.2	2.06	1.67	200		2.476					0				
10	2.072	2.48	2.48	7.1	7.7				8.0		375		2	136		2	0.715	4.93	55		4	1.87	1.48	200		2.404					0	0.62	0.18	20	
11	2.016	2.48	2.48	7.2	7.6				7.9		320		2	162		2	0.725	6.04	50		3.6	1.82	1.49	200		2.3					0	0.59	0.06	26	
12	2.059	2.48	2.48	7.1	7.9				8.0		312		2	154		2	0.69	5.46	37		5.2	1.78	1.46	200		2.239					12.6	0.63	0.27	2	
13	1.926	2.48	2.48	7.1	7.9				8.2								0.679	6.08	30		4.2	1.82	1.53	200		2.191					54.9				
14	1.915	2.48	2.48	7.2	7.9				8.4								0.743	5.76	30		4	1.94	1.59	200		2.194					78.6				
15	1.956	2.48	2.48	7.2	7.8				8.1								0.721	6.62	30		3.3	1.93	1.6	200		2.122					66				
16	2.119	2.48	2.48	7.2	7.7				8.0								0.752	7.65	30		3	1.86	1.54	200		2.266					0				
17	6.242	2.48	2.48	7.1	7.9				8.2		295		3	82		4	1.525	5.46	30		2.8	2.01	1.71	200		7.43					0	0.43	4.90	4	
18	5.428	2.48	2.48	7.2	7.9				8.4		235		2	96		3	1.325	8.13	30		5.5	1.88	1.57	200		5.734					0	0.11	0.14	2	
19	3.286	2.48	2.48	7.2	8.0				8.0		124		2	88		2	1.359	6.6	30		5.6	2.48	2.06	250		3.642					0	0.23	0.08	2	
20	2.944	2.48	2.48	7.2	7.9				8.2								0.786	5.22	30		5	2.37	1.93	250		3.056					61.2				
21	3.161	2.48	2.48	7.2	7.9				8.2								0.876	9.24	30		4.2	2.35	1.81	230		3.171					12				
22	2.842	2.48	2.48	7.2	7.8				8.0								0.854	9.06	35		5.8	2.23	1.86	240		3.083					0				
23	2.364	2.48	2.48	7.2	7.7				8.1								0.968	6.48	30		4.1	2.38	1.93	250		2.7					0				
24	2.302	2.48	2.48	7.2	7.7				8.2		265		2	150		2	0.832	6.91	30		4	2.41	1.98	250		2.666					0	0.62	1.20	2	
25	2.213	2.48	2.48	7.2	7.8				8.0		308		2	167		2	0.881	6.17	40		3.8	2.41	1.97	250		2.531					0	0.45	2.10	2	
26	2.302	2.48	2.48	7.4	7.7				8.1		240		2	136		2	0.945	6.79	35		3.6	2.5	2.03	250		2.442					0	0.33	2.34	2	
27	2.290	2.48	2.48	7.4	7.9				8.0								0.94	6.35	35		3.8	2.49	2.12	250		2.553					65.7				
28	2.152	2.48	2.48	7.2	7.9				8.8								0.819	8.41	30		4	2.32	1.91	280		2.48					25.2				
29	1.983	2.48	2.48	7.2	8.0				8.5								0.791	8.25	40		4.2	2.35	1.92	250		2.294					48				
30	2.050	2.48	2.48	7.3	7.9				8.2								0.873	6.01	40		4	2.4	2.09	280		2.354					35.91				
Tot.	79.62	74.4	71.92						8.2		285		2	130		2	25.909									88.704					779.9				
Avg.	2.654	2.48	2.48	7.2	7.9				8.2		285		2	130		2	0.8636	6.942	38.4		4.233	2.143	1.748	221		2.9568					26	0.45	0.96	3	

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
 25275 FLOW
 16980 CBOD
 30029 TSS

Randolph P. Kustes Jr.
 OPERATOR

14555
 CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0
 SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-253-9310
 PLANT TELEPHONE