



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

February 13, 2014

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

RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for January 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 January 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 horizontal line.

Kevin Thompson
Process Supervisor of Metro Operations

KT/ Floyds Fork 01/14

Enclosures

cc: T. Singleton
R. Shaw



Beneficial Use of Louisville's Biosolids
www.louisvillegreen.com

DMR Copy of Record

Permit

Permit #:
Major:

KY0102784
Yes

Permittee:
Permittee Address:

FLOYDS FORK WQTC MSD
1100 BLUE HERRON RD
LOUISVILLE, KY 40245

Facility:
Facility Location:

FLOYDS FORK WQTC MSD
1100 BLUE HERRON RD
LOUISVILLE, KY 40245

Permitted Feature:

001
External Outfall

Discharge:

001-1
MUNICIPAL DISCHARGE

Report Dates & Status

Monitoring Period:

From 01/01/14 to 01/31/14

DMR Due Date:

02/28/14

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:
Last Name:

Greg
Heitzman

Title:

Executive Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type	
Code	Name					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	GR - GRAB
					Permit Req.						>=	7 INST MIN					19 - mg/L		03/07 - Three Per Week	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.1			=	8.1	12 - SU	0	01/01 - Daily	GR - GRAB
					Permit Req.						>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU		03/07 - Three Per Week	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	47	=	53	26 - lb/d			=	2	=	2	19 - mg/L	0	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		03/07 - Three Per Week	CP - COMPOS
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	6004	=	7133	26 - lb/d			=	274	=	305	19 - mg/L	0	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		03/07 - Three Per Week	CP - COMPOS
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	10	=	22	26 - lb/d			=	0.4	=	0.9	19 - mg/L	0	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		03/07 - Three Per Week	CP - COMPOS
					Value NODI															
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	357	=	363	26 - lb/d			=	16	=	19	19 - mg/L	0	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		03/07 - Three Per Week	CP - COMPOS
					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	CP - COMPOS
					Permit Req.								<=	1 MO AVG	<=	1.5 MX WK AV	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	2.68	=	4.68	03 - MGD								0	99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD									99/99 - Continuous	CN - CONTIN
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample								=	2	=	2	13 - #/100mL	0	03/07 - Three Per Week	GR - GRAB
					Permit Req.								<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL		03/07 - Three Per Week	GR - GRAB
					Value NODI															
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	45	=	53	26 - lb/d			=	2	=	2	19 - mg/L	0	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		03/07 - Three Per Week	CP - COMPOS
					Value NODI															
80082	BOD, carbonaceous, 05 day, 20 C	G - Raw Sewage Influent	0	--	Sample	=	2867	=	3142	26 - lb/d			=	130	=	142	19 - mg/L	0	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		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 - %	0	01/30 - Monthly	CA - CALCTD
					Permit Req.						>=	85 MO MIN					23 - %		01/30 - Monthly	CA - CALCTD
					Value NODI															
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	99					23 - %	0	01/30 - Monthly	CA - CALCTD
					Permit Req.						>=	85 MO MIN					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
201401_FloydsFork_coverletter.pdf	pdf	15774
201401_FloydsFork_MOR.pdf	pdf	44717
Report Last Saved By		
FLOYDS FORK WQTC MSD		
User:	kevin.thompson@louisvillemsd.org	Date/Time: 2014-02-24 08:25 (Time Zone: -05:00)
Name:	Kevin Thompson	
E-Mail:	kevin.thompson@louisvillemsd.org	

NAME OF TREATMENT PLANT FLOYDS FORK
 KPDES PERMIT NUMBER KY0102784

COUNTY JEFFERSON
 PLANT CAPACITY 3.5 MGD

MONTH OF: January 2014
 RECEIVING STREAM FLOYDS FORK

DATE	TOTAL FLOW (MILLION GALLONS)	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									
		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	RETURN		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)	
																		GAL/DAY X 1000	MLSS X 1000					GAL/DAY X 1000	30 MIN.	30 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS				WITHDRAWN GALLONS X 1000
1	2.417	2.48	2.48	7.2	7.9				9.1		240		2	109		2	1.103	7.56	50	6	2.31	2.1	250		30 MIN.	30 MIN.	2.781					0	0.35	0.06	2
2	2.650	2.48	2.48	7.4	7.8				9.2		176		2	86		2	0.889	7.8	50	5	2.23	1.91	250				2.938					37.8	0.30	0.10	2
3	2.446	2.48	2.48	7.4	8.0				9.0								0.995	6.93	32	6.1	2.22	1.91	250				2.79					12.6			
4	2.406	2.48	2.48	7.4	8.0				9.0								0.875	7.01	32	6	2.31	1.7	250				2.754					72.9			
5	2.998	2.48	2.48	7.3	7.8				9.3		276		2	180		2	0.796	9.1	30	6	2.44	2.16	260				3.316				0	0.50	2.50	2	
6	3.923	2.48	2.48	7.2	7.9				9.2								0.995	13.28	16.5	5.8	2.22	1.91	230				4.1				0				
7	2.908	2.48	2.48	7.2	7.9				9.4								0.958	8.51	26.3	7	2.224	1.98	250				3.317				0				
8	2.627	2.48	2.48	7.2	7.9				9.2		435		2	150		2	1	7.36	32.2	6.6	2.37	2.07	260				2.962				0	0.21	0.18	2	
9	2.406	2.48	2.48	7.2	7.9				9.5		345		2	146		2	0.975	6.89	34.2	4.5	2.36	2.03	290				2.689				37.8	0.38	0.08	2	
10	2.414	2.48	2.48	7.3	7.8				9.2								1.376	6.72	40.9	3.2	2.34	2.04	300				2.663				63				
11	4.681	2.48	2.48	7.2	7.9				9.0								2.672	7.89	29	5.6	2.3	1.98	300				6.374				92.1				
12	4.417	2.48	2.48	7.2	7.8				9.3		95		2	58		2	1.949	8.2	29	7.3	2.35	2.01	250				4.893				55.5	0.26	0.17	2	
13	3.390	2.48	2.48	7.2	7.8				9.1								2.535	5.79	43	6	2.53	2.16	300				3.691				37.8				
14	3.561	2.48	2.48	7.2	7.8				9.4								1.26	6.1	43	4.8	2.68	2.31	340				3.89				31.5				
15	3.111	2.48	2.48	7.3	8.0				9.3		360		2	158		2	1.12	8.07	29.5	5.2	2.52	2.14	300				3.511				0	0.54	0.06	2	
16	2.775	2.48	2.48	7.2	8.0				9.1		256		2	110		2	1.063	8.07	31	4.7	2.49	2.11	350				4.617				0	0.54	0.60	2	
17	2.413	2.48	2.48	7.2	8.0				9.0								1	7.77	35	3.9	2.74	2.33	300				2.712				0				
18	2.421	2.48	2.48	7.1	7.9				8.9								0.98	7.3	35	4	2.53	2.24	320				2.729				17.1				
19	2.451	2.48	2.48	7.2	8.1				9.0		300		2	136		2	1.05	7.32	35	4.2	2.6	2.22	300				2.679				0	0.62	0.22	2	
20	2.359	2.48	2.48	7.2	8.1				8.8								1.108	7.05	35	4.1	2.3	1.82	290				2.69				0				
21	2.379	2.48	2.48	7.2	8.1				8.6								1.165	6.33	42	4.4	2.67	2.16	350				2.602				0				
22	2.291	2.48	2.48	7.2	7.6				9.5		265		3	121		2	1.011	7.45	36	6	2.71	2.31	450				2.643				0	0.59	0.39	2	
23	2.175	2.48	2.48	7.2	7.1				9.6		265		2	131		2	1.175	6.71	41.75	6.4	2.87	2.42	450				2.534				0	0.74	0.22	2	
24	2.137	2.48	2.48	7.2	7.8				9.2								1.206	6.91	40	7	2.77	2.34	400				2.445				0				
25	2.254	2.48	2.48	7.3	7.8				9.0								0.986	8.02	35	5.2	2.79	2.36	400				2.517				0				
26	2.289	2.48	2.48	7.3	7.8				8.8		272		2	175		2	1.005	7.96	33	4.3	2.66	2.27	370				2.624				0	1.11	0.27	2	
27	2.329	2.48	2.48	6.8	7.6				8.0								1.246	7.27	36	3	2.68	2.34	400				2.665				43				
28	2.254	2.48	2.48	7.1	7.7				8.9								1.087	7.67	39	4.6	2.95	2.54	410				2.587				49.8				
29	2.160	2.48	2.48	7.0	7.8				8.8								1.207	7.08	43	5	3.04	2.67	420				2.523				49.5				
30	2.147	2.48	2.48	7.1	7.7				8.9								1.093	8.18	38	4.8	3.09	2.62	390				2.422				37.5				
31	2.037	2.48	2.48	7.1	7.8				8.8								1.021	7.28	45	4.5	3.25	2.81	410				2.302				41.4				
Tot.	83.23	76.88	74.4														36.901											95.96				679.3			
Avg.	2.685	2.48	2.48	7.2	7.8				9.1		274		2	130		2	1.1904	7.599	36.04	5.2	2.566	2.193	325.5				3.0954839				21.91	0.51	0.42	2	

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

25569
 FLOW

17122
 CBOD

29188
 TSS

Randolph P. Kustes JR.
 OPERATOR

14555
 CERT. NO.

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

SEWERED POPULATION

502-253-9310
 PLANT TELEPHONE