



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

August 12, 2014

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

**RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for July 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 July 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 white background.

Kevin Thompson
Process Supervisor of Metro Operations

KT/ Floyds Fork 07/14

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
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 07/01/14 to 07/31/14	DMR Due Date:	08/28/14
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	=	7.5					=	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	=	42	=	49	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.	<=	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	=	7423	=	8514	26 - lb/d		=	422	=	455	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	=	7	26 - lb/d		=	0.2	=	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	=	391	=	405	26 - lb/d		=	22	=	25	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	=	0.3	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	=	2.2	=	3.46	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	=	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	=	35	=	38	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.	<=	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	=	3487	=	3793	26 - lb/d		=	197	=	210	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
201404FloydsFork_CoverLetter.pdf	pdf	16813
201407_FloydsFork_MOR.pdf	pdf	43422

Report Last Saved By

FLOYDS FORK WQTC MSD

User: kevin.thompson@louisvillemsd.org

Date/Time: 2014-08-25 11:09 (Time Zone: -04:00)

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: July 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	GAL/DAY X 1000	MLSS X 1000	GAL/DAY X 1000	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 (COLOX/100ML)	
																								30 MIN.	60 MIN.	SALOXIS X 1000	1/4 DRY SOLIDS	1/4 VOLATILE SOLIDS	1/4 DRY SOLIDS				1/4 VOLATILE SOLIDS
1	2.044	2.48	2.48	7.2	7.8				9.4		566		2	204		2	0.697	4.73	66	3.3	1.9	1.61	250		2.023					69.3	0.17	0.13	
2	2.309	2.48	2.48	7.1	7.8				9.2		452		2	211		2	0.583	5.59	60	3.1	2.03	1.61	240		2.301			1.29	37.8	0.17	0.27	2	
3	2.448	2.48	2.48	7.2	7.8				9.3								0.631	5.77	53	3	1.85	1.66	250		2.421				63			6	
4	2.081	2.48	2.48	7.2	7.7				9.7								0.571	5.2	50	2.9	1.97	1.63	250		2.127				0				
5	2.025	2.48	2.48	7.1	7.9				9.1								0.581	5.13	50	3	1.89	1.61	250		2.033				0				
6	2.093	2.48	2.48	7.2	7.8				9.0		252		3	145		2	0.643	5.35	50	3.1	1.9	1.64	250		2.12				0	0.29	0.08		
7	2.100	2.48	2.48	7.3	7.6				9.5								0.622	5.65	56	3.8	2.05	1.78	250		2.095				0			2	
8	2.067	2.48	2.48	7.2	7.5				9.2		412		2	197		2	0.581	4.39	55	4	1.87	1.62	250		2.008				63	0.12	0.11		
9	2.065	2.48	2.48	7.2	7.7				9.0		484		2	289		2	0.658	4.76	55	3.7	1.93	1.69	250		1.937			1.021	56.7	0.53	0.27	2	
10	2.005	2.48	2.48	7.4	7.6				9.1		376		2	144		2	0.65	4.99	50	4	1.88	1.61	250		1.937				63	0.15	0.21	2	
11	1.965	2.48	2.48	7.3	7.5				9.2								0.629	4.58	50	3.8	2.08	1.76	250		1.825				133.2			2	
12	1.952	2.48	2.48	7.3	7.5				9.4								0.672	4.44	40	4.2	2.01	1.71	250		1.863				0				
13	2.025	2.48	2.48	7.3	7.5				9.1								0.635	3.98	40	4	2.05	1.76	260		2.017				0				
14	3.115	2.48	2.48	7.4	8.0				9.3								0.694	8.88	39	3	2.1	1.88	260		3.161				0				
15	2.475	2.48	2.48	7.3	7.7				9.0		386		2	268		2	0.711	8.28	45	3.8	2.28	1.95	270		2.592				31.5	0.12	0.11		
16	2.210	2.48	2.48	7.2	8.0				9.2		490		2	164		2	0.8	6.4	54	5	2.12	1.81	300		2.269				1.033	31.5	0.27	0.15	2
17	2.089	2.48	2.48	7.3	7.8				9.1		490		3	162		2	0.701	6.23	55	4.8	2.18	1.88	270		2.151				75.6	0.39	0.16	2	
18	2.060	2.48	2.48	7.2	7.6				9.4								0.622	6.4	54	4.9	2.13	1.81	270		2.054				48			5	
19	2.091	2.48	2.48	7.3	7.7				9.2								0.651	6.52	55	4.6	2.19	1.82	270		2.09				0				
20	2.109	2.48	2.48	7.3	7.5				9.0								0.614	6.85	51	3.9	2.15	1.83	270		2.141				0				
21	2.068	2.48	2.48	7.2	7.7				9.2								0.699	7.67	45	3.8	2.07	1.8	260		2.057				0				
22	1.975	2.48	2.48	7.2	7.8				9.1		388		2	213		2	0.608	7.2	49	3.8	2.14	1.83	270		2.03				61.5	0.16	0.26		
23	2.016	2.48	2.48	7.3	7.6				9.3		348		2	197		2	0.566	6.11	50	3.9	2.13	1.84	250		1.992				1.093	55.5	0.17	0.23	4
24	1.944	2.48	2.48	7.3	7.6				9.1		420		5	172		2	0.625	5.09	55	4	2.2	1.9	250		1.937				74.1	0.17	0.73	2	
25	1.917	2.48	2.48	7.2	7.6				9.4								0.522	4.42	55	4.2	2.18	1.75	250		1.907				107.1			2	
26	2.029	2.48	2.48	7.2	7.6				9.3								0.6	5.15	40	4	2.13	1.8	250		1.995				0				
27	3.458	2.48	2.48	7.3	7.5				9.2								1.01	7.15	40	3.8	1.92	1.77	250		3.491				0				
28	2.740	2.48	2.48	7.1	7.6				8.8								0.651	8.75	44	45.3	2.36	2.01	250		2.772				0				
29	2.338	2.48	2.48	7.3	8.0				8.3								0.619	8.11	44	5	2.17	1.75	250		2.328				37.8				
30	2.222	2.48	2.48	7.2	7.9				8.5								0.668	7.06	52	4.2	2.25	1.85	250		2.2				1.14	124.5			
31	2.151	2.48	2.48	7.3	7.7				8.3								0.602	6.91	52	3.8	2.19	1.87	250		2.125				136.8				
Tot.	68.17	76.88	76.88														20.116																
Avg.	2.199	2.48	2.48	7.2	7.7				9.1		422		2	197		2	0.648903	6.056	40.96	5.216	2.075	1.769	256.1		2.19352				#REF!				

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
 20943 FLOW
 21271 CBOD
 36855 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