



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

June 17, 2015

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

**RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for May 2015.**

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 May 2015.

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

If you have any questions concerning the attached DMR's, please contact me at (502) 715-2789

Sincerely,

A handwritten signature in black ink, appearing to read "Staci Huber".

Staci Huber
Process Supervisor of Metro Operations

SH/ Floyds Fork 05/15

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

Report Dates & Status			
Monitoring Period:	From 05/01/15 to 05/31/15	DMR Due Date:	06/28/15
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	=	7.6				=	8.2			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	=	35	=	45	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	=	9421	=	10302	26 - lb/d	=	448	=	476	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	=	5	=	9	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	=	465	=	488	26 - lb/d	=	22	=	23	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	=		=			=	0.1	=	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	=	2.43	=	2.75	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	=	85	=	134	26 - lb/d	=	4	=	7	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	=	5378	=	6451	26 - lb/d	=	256	=	315	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	01/30 - 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	=	100							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
2015_05_FloydsForkMOR.pdf	pdf	122612
2015_05_Floydsforkcoverletter.pdf	pdf	42647

Report Last Saved By

FLOYDS FORK WQTC MSD

User: staci.huber@louisvillemsd.org

Date/Time: 2015-06-23 14:20 (Time Zone: -04:00)

Name: Staci Huber

E-Mail: staci.huber@louisvillemsd.org

NAME OF TREATMENT PLANT FLOYDS FORK

COUNTY JEFFERSON

MONTH OF: May 2015

KPDES PERMIT NUMBER KY0102784

PLANT CAPACITY 3.5 MGD

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	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 CHALLONS X 1000	
																																			SETTLED SLUDGE VOLUME
1	2.434	2.48	2.48	7.4	7.9			8.7									0.77	8250	50000	3.8	2870	2250	250			2.358						56700			
2	2.468	2.48	2.48	7.5	7.7			8.8									0.85	8110	40000	3.9	2590	2130	250			2.396						0	0.58	0.24	
3	2.529	2.48	2.48	7.6	7.6			8.9		498		2	370			3	0.50		40000	2.8			250			2.463						0			
4	2.488	2.48	2.48	7.3	7.9			8.5		404		2	275			3	0.84	7460	50000	2.6	2690	2170	250			2.32			1.308		25200	0.31	0.65	3	
5	2.328	2.48	2.48	7.5	8.1			8.7		408		1	301			3	0.77	8450	50000	5.0	2790	2260	250			2.241					56700	0.13	0.45	3	
6	2.306	2.48	2.48	7.5	8.0			8.3									0.76	8050	50000	6.1	2550	2090	250			2.23					25200			3	
7	2.301	2.48	2.48	7.4	8.2			8.4									0.74	7880	50000	5.0	2650	2150	250			2.116					50400				
8	2.244	2.48	2.48	7.4	8.0			8.5									0.68	7950	50000	5.2	2780	2170	250			2.253					62700				
9	2.368	2.48	2.48	7.3	7.9			8.6									0.97	8050	40000	5.6	2690	2070	250			2.232					30900				
10	2.391	2.48	2.48	7.5	8.2			8.4		508		2	108			7	0.65	10650	40000	5.8	2620	2130	300			2.239					0	0.09	0.14		
11	2.528	2.48	2.48	7.4	8.0			8.3		460		1	340			3	0.73	7680	50000	4.2	2680	2390	260			2.273					37800	0.09	0.09	2	
12	2.401	2.48	2.48	7.4	8.1			8.5		460		1	248			1	0.79	7230	50000	4.6	2630	2220	250			2.176					63000	0.08	0.24	2	
13	2.345	2.48	2.48	7.4	8.0			8.7									0.74	7890	50000	5.2	2710	2140	250			2.125			1.171		87000			4	
14	2.307	2.48	2.48	7.4	8.0			8.5									0.72	8000	50000	5.6	2510	2090	250			2.031					69300				
15	2.213	2.48	2.48	7.4	7.9			8.6									0.71	7980	50000	5.2	2620	2200	250			2.257					31500				
16	2.530	2.48	2.48	7.4	8.1			8.8									0.75	7880	40000	4.8	2630	2180	250			2.392					0				
17	2.605	2.48	2.48	7.3	8.0			8.7		420		2	194			3	0.62	7550	40000	3.8	2650	2100	250			2.179					0	0.13	0.20		
18	2.488	2.48	2.48	7.4	7.7			8.5		376		2	216			3	0.70	7970	50000	3.4	2690	2150	250			2.189					37800	0.09	0.16	2	
19	2.361	2.48	2.48	7.5	8.1			8.4		476		1	247			14	0.74	8010	50000	4.8	2490	2010	250			2.142			1.19		75300	0.08	0.12	2	
20	2.328	2.48	2.48	7.5	8.0			8.6									0.70	7730	50000	5.0	2400	2010	260			2.179					18900			2	
21	2.379	2.48	2.48	7.4	8.0			8.5									0.73	8010	50000	5.6	2520	2100	250			2.013					75600				
22	2.165	2.48	2.48	7.4	7.8			8.9									0.71	7820	50000	6.1	2370	1970	280			1.986					37800				
23	2.199	2.48	2.48	7.5	7.9			8.8									0.63	7930	40000	6.8	2480	1980	280			1.9782					0				
24	2.187	2.48	2.48	7.4	7.8			8.5									0.54	7790	40000	6.1	2680	2390	250			1.972					0				
25	2.671	2.48	2.48	7.3	7.9			8.7		472		2	310			3	0.69	7900	50000	4.4	2650	2250	250			2.282					0	0.08	0.13		
26	2.746	2.48	2.48	7.4	8.0			8.6		480		2	279			3	0.63	7870	50000	3.8	2320	2010	300			2.355					0				
27	2.709	2.48	2.48	7.3	8.1			8.7		416		2	179			3	0.68	8390	50000	4.1	2380	2010	280			2.477			1.175		81900	0.08	0.12	2	
28	2.695	2.48	2.48	7.5	7.9			8.4									0.66	7610	50000	5.4	2480	2150	270			2.454					81900	0.07	0.09	2	
29	2.585	2.48	2.48	7.4	8.0			8.6									0.70	8220	50000	5.6	2460	2120	270			2.42					75600			2	
30	2.568	2.48	2.48	7.3	8.0			8.7									0.75	8100	40000	5.5	2480	2130	270			2.365					0				
31	2.580	2.48	2.48	7.4	8.0			8.8									0.60	8250	40000	5.2	2450	2100	270			2.348					0				
Tot.	75.45	76.88	76.88														22.05																		
Avg.	2.434	2.48	2.48	7.4	8.0			8.6		448		2	256			4	0.711	8022	46774.194	4.871	2584	2137	259.4			69.4412					1093800				

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

23179 FLOW 30516 CBOD 43317 TSS

Randolph P. Kustes Jr.
OPERATOR

14555
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-540-6000
PLANT TELEPHONE