



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

October 9, 2015

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

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

There were no exceedances, overflows or bypasses to report.

Also attached is the 3rd quarter biomonitoring DMR's.

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", written over the word "Sincerely,".

Staci Huber
Process Supervisor of Metro Operations

SMH/ Floyds Fork 09/15

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

Report Dates & Status			
Monitoring Period:	From 09/01/15 to 09/30/15	DMR Due Date:	10/28/15
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	James	Title:	Executive Director
Last Name:	Parrott	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	01/01 - Daily	GR - GRAB	
					Permit Req.					>=	7 INST MIN						19 - mg/L	0	01/07 - Weekly	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.4			=	8.2	12 - SU	01/01 - Daily	GR - GRAB	
					Permit Req.					>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU	0	01/07 - Weekly	GR - GRAB	
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	44	=	51	26 - lb/d		=	3	=	3	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.	<=	1626 MO AVG	<=	2439 MX WK AV	26 - lb/d		<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample						=	448	=	456	19 - mg/L	03/07 - Three Per Week	24 - COMP24			
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	10	=	11	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	2	=	3	26 - lb/d		=	0.2	=	0.2	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.	<=	54.2 MO AVG	<=	81.3 MX WK AV	26 - lb/d		<=	1 MO AVG	<=	1.5 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=	3	=	5	26 - lb/d		=	0.2	=	0.4	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.	<=	27.1 MO AVG	<=	40.7 MX WK AV	26 - lb/d		<=	.5 MO AVG	<=	.75 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	1.82	=	1.917	03 - MGD								99/99 - Continuous	CN - CONTIN	
					Permit Req.													0	99/99 - Continuous	RE - Record (manual)
					Value NODI															
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	2.003	=	2.113	03 - MGD								99/99 - Continuous	RE - Record (manual)	
					Permit Req.													0	99/99 - Continuous	RE - Record (manual)
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	2	=	6	13 - #/100mL	03/07 - Three Per Week	GR - GRAB			
					Permit Req.												0	01/07 - Weekly	GR - GRAB	
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	30	=	34	26 - lb/d		=	2	=	2	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.	<=	325 MO AVG	<=	488 MX WK AV	26 - lb/d		<=	6 MO AVG	<=	9 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample						=	243	=	306	19 - mg/L	03/07 - Three Per Week	24 - COMP24			
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	99			23 - %	01/30 - Monthly	CA - CALCTD			
					Permit Req.												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.												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
floydsforkcoverletter092015.pdf	pdf	45987
2015_09_FF_MOR.pdf	pdf	1128771

Report Last Saved By

FLOYDS FORK WQTC MSD

User: kevin.ries@louisvillemsd.org	Date/Time: 2015-10-26 11:22 (Time Zone: -04:00)
Name: Kevin Ries	
E-Mail: kevin.ries@louisvillemsd.org	

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:	001-2 TOXICITY															
Report Dates & Status																				
Monitoring Period:	From 07/01/15 to 09/30/15			DMR Due Date:	10/28/15				Status:	NetDMR Validated										
Considerations for Form Completion																				
THREE 24-HOUR COMPOSITE SAMPLES ONE EACH COLLECTED EVERY OTHER DAY FOR A PERIOD OF 5 DAYS; IE - DAYS 1, 3 & 5																				
Principal Executive Officer																				
First Name:	James			Title:	Executive Director				Telephone:	502-540-6000										
Last Name:	Parrott																			
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				
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample										<	1	2G - tox chronic	01/90 - Quarterly	24 - COMP24	
					Permit Req.										<=	1 MAXIMUM	2G - tox chronic	01/90 - Quarterly	24 - COMP24	
					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																				
No attachments.																				
Report Last Saved By																				
FLOYDS FORK WQTC MSD																				
User:	kevin.thompson@louisvillemsd.org							Date/Time:	2015-10-26 10:26 (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: September 2015
 RECEIVING STREAM FLOYDS FORK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH		SETTLEABLE SOLIDS (mg/L)			DISSOLVED OXYGEN (mg/L)			SUSPENDED SOLIDS (mg/L)			5 DAY CBOD (mg/L)			ACTIVATED SLUDGE			AERATION BASIN						SLUDGE HANDLING						FINAL			Total Nitrogen
		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)	ECOLI		
																								30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000					
1	1.908	2.48	2.48	7.3	7.9				8.2		480		3	207		2	0.57	8160	50000	3.0	2310	1970	300		2.017					63000	0.23	0.11		9.31		
2	1.860	2.48	2.48	7.4	8.1				8.3		485		3	210		2	0.65	7060	50000	3.5	2170	1920	300		1.964			1.204		107100	0.23	0.26	2			
3	1.859	2.48	2.48	7.4	8.0				8.2		403		3	212		2	0.67	6890	50000	2.9	2230	1950	300		1.958					50400	0.28	0.20	2			
4	1.740	2.48	2.48	7.3	7.9				8.1								0.68	7200	50000	3.3	2130	1820	300		1.789					25200				1		
5	1.738	2.48	2.48	7.3	7.7				8.1								0.58	7410	40000	4.3	2210	1930	300		1.783					0						
6	1.676	2.48	2.48	7.4	7.8				8.2								0.52	6980	40000	4.4	2300	1980	320		1.733					0						
7	1.856	2.48	2.48	7.5	7.5				8.2								0.59	4970	40000	3.6	2180	1710	310		1.934					0						
8	1.752	2.48	2.48	7.4	8.0				8.4		484		3	385		2	0.69	6450	50000	2.8	2170	1860	300		1.835					50400	0.12	0.28		10.75		
9	2.277	2.48	2.48	7.3	8.2				8.2		418		3	302		2	0.71	8700	50000	2.6	2250	1890	300		2.238		1.01			75000	0.10	0.09	207			
10	2.065	2.48	2.48	7.3	8.1				8.4		416		3	230		2	0.59	6840	50000	2.7	2350	1760	300		2.189					137700	0.12	0.12	1			
11	1.866	2.48	2.48	7.3	8.0				8.2								0.62	6500	50000	4.3	2240	1910	300		2.079					31500				1		
12	1.842	2.48	2.48	7.4	8.0				8.3								0.63	6950	40000	5.0	2260	1940	300		2.14					12000						
13	1.866	2.48	2.48	7.4	8.1				8.2								0.60	7310	40000	3.9	2310	1970	300		2.256					0						
14	1.752	2.48	2.48	7.4	7.9				8.3								0.63	7680	45000	2.5	2110	1860	300		2.053					75600						
15	1.631	2.48	2.48	7.2	8.0				8.5		456		3	142		2	0.61	6720	50000	4.2	2200	1880	300		1.965			1.17		107100	0.30	0.15		9.4		
16	1.611	2.48	2.48	7.2	8.1				8.2		468		3	202		2	0.66	6010	50000	4.2	2120	1800	300		1.94					94500	0.46	0.16	1			
17	1.561	2.48	2.48	7.3	8.0				8.4		412		3	278		2	0.59	6320	40000	3.8	2180	1840	300		1.881					31500	0.30	0.22	1			
18	1.517	2.48	2.48	7.4	7.9				8.1								0.51	7620	40000	3.5	2230	1930	300		1.792					37800				1		
19	1.664	2.48	2.48	7.3	8.1				8.4								0.59	8910	30000	3.9	2160	1730	300		1.875					0						
20	1.713	2.48	2.48	7.3	7.4				8.1								0.54	6880	30000	4.3	2110	1790	300		1.943					0						
21	1.577	2.48	2.48	7.2	7.9				8.2								0.60	7340	45000	3.8	2260	1890	290		1.865					56700						
22	1.592	2.48	2.48	7.2	7.8				8.3		488		3	223		2	0.59	6790	50000	3.4	2230	1900	290		1.849		1.07			91500	0.13	0.11		10.47		
23	1.601	2.48	2.48	7.2	7.9				8.5		412		3	232		2	0.61	7540	45000	3.6	2120	1810	300		1.82					41200	0.18	0.23	2			
24	1.606	2.48	2.48	7.3	8.0				8.4		452		3	294		2	0.55	7110	50000	3.4	2100	1810	290		1.811					48000	0.20	0.09	2			
25	1.546	2.48	2.48	7.2	7.9				8.3								0.56	6280	50000	3.2	2140	1840	250		1.674					36000				1		
26	1.636	2.48	2.48	7.2	7.9				8.4								0.42	7050	30000	3.3	2260	1940	250		1.742					0						
27	1.747	2.48	2.48	7.3	7.5				8.3								0.94	5800	30000	3.9	1890	1570	250		1.855					0						
28	1.664	2.48	2.48	7.3	7.8				8.3								0.56	7000	40000	2.5	2200	1810	250		1.831					31500						
29	3.254	2.48	2.48	7.3	7.9				8.2								1.16	8650	40000	2.4	2350	1920	250		3.299		1.05			52500						
30	2.709	2.48	2.48	7.3	7.8				8.4								0.65	8010	40000	2.9	2070	1690	210		2.99					37800						
31																																				
Tot.	54.69	74.4	74.4						8.3		448		3	243		2	0.629	7104	43500	3.503	2193	1854	288.7		60.1				1294000							
Avg.	1.823	2.48	2.48	7.3	7.9				8.3		448		3	243		2	0.629	7104	43500	3.503	2193	1854	288.7		2.003		1.101		43133.3	0.22	0.17	2	9.983			

RESIDENTIAL 17361 INDUSTRIAL WASTE POPULATION EQUIVALENT 32421
 COMMERCIAL 21739 OPERATOR Randolph P. Kustes Jr. CERT. NO. 14555
 INDUSTRIAL FLOW CBOD TSS

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

502-540-6000
 PLANT TELEPHONE