



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

October 11, 2014

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

**RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for September 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 September 2014.

Also attached are the third quarter biomonitoring DMR's.

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) 587-5856

Sincerely,

A handwritten signature in black ink, appearing to read "John Kessel", written over a white background.

John Kessel
Process Supervisor of Metro Operations

JK/ Floyds Fork 09/14

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 09/01/14 to 09/30/14	DMR Due Date:	10/28/14
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	Greg	Title:	Exec Director
Last Name:	Hetizman	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	=	7.1				=	8.4			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	=	54	=	104	26 - lb/d	=	3	=	5	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	=	5334	=	5900	26 - lb/d	=	290	=	356	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	=	6	=	9	26 - lb/d	=	0.3	=	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	=	387	=	421	26 - lb/d	=	21	=	22	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	=					=	0.3	=	0.4	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	=	2.3	=	5.54	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	=	2	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	=	37	=	40	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	=	2305	=	2507	26 - lb/d	=	126	=	149	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	=	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
FF_MOR_092014.XLS	xls	329216
FF_Cover_092014.pdf	pdf	16508

Report Last Saved By

FLOYDS FORK WQTC MSD

User: kessel@louisvillemsd.org	Date/Time: 2014-10-16 13:25 (Time Zone: -04:00)
Name: John Kessel	
E-Mail: kessel@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-Y QUARTERLY METALS/BIOMONITORING		

Report Dates & Status					
Monitoring Period:	From 07/01/14 to 09/30/14	DMR Due Date:	10/28/14	Status:	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer					
First Name:	Greg	Title:	Exec Director	Telephone:	502-540-6000
Last Name:	Hetizman				

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		
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample						=	220		=	220	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.												01/30 - Monthly	CP - COMPOS			
					Value NODI																
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.025		=	0.025	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.												01/90 - Quarterly	CP - COMPOS			
					Value NODI																
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.001		<	0.001	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.												01/90 - Quarterly	CP - COMPOS			
					Value NODI																
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.05		<	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.												01/30 - Monthly	CP - COMPOS			
					Value NODI																
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.002		<	0.002	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.												01/90 - Quarterly	CP - COMPOS			
					Value NODI																
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample									<	1	2G - tox chronic	01/90 - Quarterly	CP - COMPOS			
					Permit Req.											<=	1 DAILY MX	2G - tox chronic	0	01/90 - Quarterly	CP - COMPOS
					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.ries@louisvillemtd.org	Date/Time:	2014-10-16 13:20 (Time Zone: -04:00)
Name:	Kevin Ries		
E-Mail:	kevin.ries@louisvillemtd.org		

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: September 2014
 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	RETURN		WASTE	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					30 MIN.	60 MIN.	GALLONS x 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS x 1000				
																																			GAL/DAY x 1000
1	2.526	2.48	2.48	6.9	7.1					8.3		256	11	120	2	0.83	7520	50000	4.4	2230	1750	250		2.304					0	0.30	0.28				
2	2.401	2.48	2.48	7.2	7.6					8.0		300	2	125	2	0.75	7150	50000	3.5	2140	1780	250		2.252					25200	0.26	0.62	3			
3	2.350	2.48	2.48	7.4	7.7					8.3		272	2	127	2	0.76	7600	45000	5.8	2080	1700	220		2.229				1.195	69300	0.35	0.34	2			
4	2.231	2.48	2.48	7.3	7.6					8.1						0.70	5790	63500	3.7	2220	1840	250		2.124					69300			2			
5	2.149	2.48	2.48	7.3	7.6					8.0						0.76	6320	56000	3.8	2180	1860	250		2.641					63000						
6	2.147	2.48	2.48	7.2	7.4					8.1						0.80	6590	50000	4.0	2020	1670	240		2.022					25200						
7	2.193	2.48	2.48	7.0	7.6					8.3						0.74	6010	55000	3.7	2040	1710	240		2.124					0						
8	2.161	2.48	2.48	7.4	7.8					8.0		244	2	125	2	0.71	7820	48000	3.2	2220	1760	230		1.981					0	0.41	0.11				
9	2.071	2.48	2.48	7.3	7.8					8.4		280	2	126	2	0.71	6900	50000	6.1	2130	1850	230		1.939					44100	0.24	0.17	2			
10	2.065	2.48	2.48	7.5	7.8					8.2		340	2	129	2	0.80	7100	52000	4.2	2240	1890	240		1.909				1.465	69300	0.28	0.11	2			
11	5.540	2.48	2.48	7.4	8.0					8.9						1.72	8080	50000	3.8	2030	1600	200		6.342					81000			2			
12	3.107	2.48	2.48	7.5	8.2					8.3						1.39	6520	55000	6.4	2200	1770	250		3.329					67800						
13	2.537	2.48	2.48	7.4	8.1					8.0						1.30	5760	64000	5.5	2280	1830	250		2.746					0						
14	2.383	2.48	2.48	7.4	8.0					8.4						1.25	6210	60000	4.3	2260	1810	250		2.594					0						
15	2.844	2.48	2.48	7.5	8.2					8.5		268	2	78	2	0.78	7040	52000	3.4	2250	1870	250		2.973					31500	0.42	0.50				
16	2.197	2.48	2.48	7.6	8.1					8.4		224	2	126	2	0.73	6260	56000	6.2	2140	1740	250		2.286					63000	0.30	0.45	2			
17	2.119	2.48	2.48	7.6	8.2					8.6		228	2	108	2	0.73	7050	50000	3.2	2140	1740	250		2.205				1.117	69300	0.40	0.39	2			
18	2.071	2.48	2.48	7.6	8.4					8.3						0.69	6190	55000	3.4	2070	1690	240		2.16					103500			2			
19	2.012	2.48	2.48	7.4	8.0					8.9						0.69	6140	55000	4.9	2070	1710	240		2.086					69300						
20	2.088	2.48	2.48	7.5	8.4					9.0						0.72	6970	48000	4.2	2060	1680	230		2.12					0						
21	2.136	2.48	2.48	7.4	8.2					8.8						0.77	6770	50000	4.4	2060	1660	210		2.154					0						
22	2.102	2.48	2.48	7.4	8.2					8.6		256	2	119	2	0.72	7020	49000	4.6	2120	1780	200		2.064					0	0.23	0.45				
23	1.973	2.48	2.48	7.4	8.2					8.9		476	3	197	2	0.72	6410	53000	6.0	2070	1750	210		2.037					63000	0.33	0.17	2			
24	1.920	2.48	2.48	7.3	8.1					8.8		336	2	131	2	0.62	6930	50000	5.6	2100	1740	210		2.037				1.075	37800	0.40	0.22	2			
25	1.905	2.48	2.48	7.6	7.9					8.6						0.75	6300	50000	4.2	2020	1690	210		1.94					97800			2			
26	1.880	2.48	2.48	7.6	8.2					8.8						0.71	6000	50000	4.3	2080	1730	210		1.828					11400						
27	1.928	2.48	2.48	7.4	8.0					8.5						0.68	7730	50000	4.6	2000	1660	200		1.851					0						
28	1.987	2.48	2.48	7.5	8.1					8.9						0.70	7650	50000	4.2	2020	1680	210		1.949					0						
29	1.921	2.48	2.48	7.5	8.0					8.7						0.70	7090	45000	2.9	2070	1760	210		1.903					0						
30	1.983	2.48	2.48	7.7	8.1					8.4						0.74	6410	45000	4.4	2060	1720	230		1.839					25200						
31																									1.839										
Tot.	68.93	74.4	74.4													24.7									71.807					1086000					
Avg.	2.298	2.48	2.48	7.4	8.0					8.5		290	3	126	2	0.82	6777.667	51883.33	4.43	2120	1747	230		2.316355					1.213		36200	0.33	0.32	2	

RESIDENTIAL COMMERCIAL INDUSTRIAL INDUSTRIAL
 INDUSTRIAL WASTE POPULATION EQUIVALENT
 21881 FLOW 14193 CBOD 26461 TSS
 OPERATOR: Randolph P. Kustes Jr. CERT. NO. 14555

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

502-253-9310
 PLANT TELEPHONE