



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

December 16, 2015

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

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

There were no exceedances, overflows or bypasses 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", is written over the word "Sincerely,".

Staci Huber
Process Supervisor

SMH/ Floyds Fork 11/15

Enclosures

cc: T. Singleton
R. Shaw



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

DMR Copy of Record

Permit

Permit #:

KY0102784

Major:

Yes

Permittee:

FLOYDS FORK WQTC MSD

Permittee Address:

1100 BLUE HERRON RD
LOUISVILLE, KY 40245

Facility:

FLOYDS FORK WQTC MSD

Facility Location:

1100 BLUE HERRON RD
LOUISVILLE, KY 40245

Permitted Feature:

001
External Outfall

Discharge:

001-1
MUNICIPAL DISCHARGE

Report Dates & Status

Monitoring Period:

From 11/01/15 to 11/30/15

DMR Due Date:

12/28/15

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

James

Last Name:

Parrott

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		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					=	7.5			=	8.1	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	=	69	=	77	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							=	363	=	388	19 - mg/L		03/07 - Three Per Week	CP - COMPOS	
					Permit Req.								Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	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.								Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	13	=	17	26 - lb/d			=	0.6	=	0.9	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	163 MO AVG	<=	244 MX WK AV	26 - lb/d			<=	3 MO AVG	<=	4.5 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=	6	=	7	26 - lb/d			=	0.3	=	0.3	19 - mg/L		11/30 - 11 Per Month	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	=	2.95	=	3.262	03 - MGD									99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD								0	99/99 - Continuous	RE - Record (manual)
					Value NODI															
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	3.09	=	3.527	03 - MGD									99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD								0	99/99 - Continuous	RE - Record (manual)
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample							=	1	=	2	13 - #/100mL		03/07 - Three Per Week	GR - GRAB	
					Permit Req.							<=	130 30DA GEO	<=	240 7 DA GEO	13 - #/100mL	0	01/07 - Weekly	GR - GRAB	
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	45	=	47	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							=	216	=	242	19 - mg/L		03/07 - Three Per Week	CP - COMPOS	
					Permit Req.								Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	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.					>=	85 MO AV MN					23 - %	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.					>=	85 MO AV MN					23 - %	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
201511_FloydsFork_Coverletter.pdf	pdf	390106
201511_FloydsFork_MOR.pdf	pdf	1014917

Report Last Saved By

FLOYDS FORK WQTC MSD

User:	kevin.ries@louisvillemasd.org	Date/Time:	2015-12-18 10:31 (Time Zone: -05:00)
Name:	Kevin Ries		
E-Mail:	kevin.ries@louisvillemasd.org		

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: November 2015
 KPDES PERMIT NUMBER KY0102784 PLANT CAPACITY 3.5 MGD 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	TOTAL FLOW (MILLION GALLONS)				
		GRIT REMOVED (CUBIC FEET)	SCREENINGS (CUBIC FEET)		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		WITHDRAWN GALLONS x 1000	PHOSPHORUS, TOTAL (mg/L)			NH3-N (mg/L)	ECOLI		
																	GAL/DAY x 1000	MLSS x 1000					GAL/DAY x 1000	30 MIN.	60 MIN.	GALLONS x 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS							% VOLATILE SOLIDS	
1	2.923	2.48	2.48	7.4	8.0				8.4			312			3	176		2	1.70	5490	30000	2.2	2600	2160	260		3.072				0	0.45	0.72		8.36	3.07191	
2	3.108	2.48	2.48	7.4	8.0				8.5			328			3	184		2	0.47	7800	40000	2.8	2670	2170	300		2.693				0	0.21	0.19	4		2.693	
3	2.424	2.48	2.48	7.4	8.1				8.5			516			3	219		2	0.90	8250	35000	7.0	2590	2090	250		2.532			1.662		0	0.13	0.77	1		2.53146
4	2.280	2.48	2.48	7.3	7.8				8.6									0.70	7010	40000	2.9	2530	2050	300		2.366					0			1		2.36611	
5	2.241	2.48	2.48	7.4	8.0				8.6									0.70	8130	45000	2.6	2390	1940	300		2.322					0					2.32183	
6	3.506	2.48	2.48	7.3	7.9				8.1									1.09	9000	40000	2.9	2450	2000	300		4.226					0					4.226	
7	3.645	2.48	2.48	7.3	7.5				8.4									0.99	8350	60000	5.9	2400	2090	300		3.386					0					3.38602	
8	2.784	2.48	2.48	7.3	7.7				8.5			308			3	225		2	0.86	7200	20000	4.7	2450	2020	300		2.927					0	0.18	0.28			2.92678
9	2.627	2.48	2.48	7.3	7.9				8.3			350			3	150		2	0.60	7100	40000	5.5	2340	1900	300		2.741			1.336		0	0.11	0.69	1	9.99	2.74131
10	2.962	2.48	2.48	7.2	7.9				8.4			338			3	254		2	0.75	9170	35000	2.5	2270	1890	280		3.171					63000	0.11	1.10	4		3.17055
11	2.653	2.48	2.48	7.3	8.0				8.4									0.71	8540	42000	2.3	2280	1800	250		2.851					94500			1		2.85097	
12	3.164	2.48	2.48	7.5	8.0				8.5									0.71	8780	43000	2.4	2300	1950	270		3.319					81900					3.31903	
13	2.577	2.48	2.48	7.4	8.0				8.5									0.82	8870	42000	2.8	2240	1790	270		2.799					50400					2.79919	
14	2.389	2.48	2.48	7.3	8.0				8.4									0.74	8530	40000	3.6	2280	1810	270		2.641					0					2.64123	
15	2.397	2.48	2.48	7.3	7.9				8.4			354			3	226		2	0.69	8250	40000	4.5	2290	1820	270		2.627					0	0.44	0.32			2.62709
16	2.341	2.48	2.48	7.5	8.0				9.2			412			3	258		2	0.68	7490	50000	2.9	2410	1940	280		2.415			1.12		0	0.30	1.00	1	11.06	2.41502
17	2.286	2.48	2.48	7.4	7.8				8.5			276			3	178		2	0.75	7330	50000	2.2	2260	1910	280		2.354					0	0.30	1.30	1		2.35433
18	3.972	2.48	2.48	7.3	7.8				8.7									2.82	7010	54000	2.1	2310	1900	280		5.798					80400			1		5.79892	
19	5.260	2.48	2.48	7.4	7.8				8.9									2.93	7060	60000	2.3	2570	2020	290		5.076					105600					5.07659	
20	3.614	2.48	2.48	7.4	7.8				8.8									2.64	7080	58000	4.1	2520	1990	290		3.34					63000					3.34063	
21	2.963	2.48	2.48	7.3	7.6				8.6									2.52	7200	53000	4.5	2350	2010	290		3.079					37800					3.07978	
22	2.823	2.48	2.48	7.4	7.7				8.5			420			4	232		2	2.48	7270	52000	5.0	2320	1950	290		2.923					0		0.20			2.92264
23	2.702	2.48	2.48	7.5	7.9				8.9			312			3	212		2	0.81	7880	58000	4.3	2780	2170	290		2.662					0	0.32	0.25	4	8.8	2.6625
24	2.757	2.48	2.48	7.3	7.9				8.8			432			3	282		2	0.75	7010	64000	4.9	2750	2000	260		2.596			1.275		0	0.30	0.27	1		2.59586
25	2.461	2.48	2.48	7.3	8.0				8.6									0.69	7000	55000	4.0	2330	1930	250		2.588					0			1		2.58813	
26	2.435	2.48	2.48	7.3	8.0				8.8									0.64	7280	54000	3.0	2400	2010	250		2.521					0					2.52061	
27	2.213	2.48	2.48	7.3	7.9				8.6									1.05	7350	50000	2.5	2390	2000	250		2.311					0					2.31179	
28	3.147	2.48	2.48	7.3	7.8				8.7									1.24	6990	40000	2.2	2480	2110	250		2.757					0					3.11047	
29	4.591	2.48	2.48	7.2	7.8				8.6									0.84	6520	40000	2.7	2510	2090	220		4.774					0					4.77424	
30	3.366	2.48	2.48	7.2	7.9				8.8									0.78	8720	47000	3.6	2470	2040	250		3.466					0					3.46632	
31																																					
Tot.	88.61	74.4	74.4															34.07										92.333				576600					92.69
Avg.	2.954	2.48	2.48	7.3	7.9				8.6			363			3	216		2	1.136	7655	45900	3.497	2431	1985	274.7		3.077767			1.348		19220	0.26	0.59	1	9.553	3.090

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
28131 FLOW 31348 CBOD 42602 TSS

Randolph P Kustes Jr.

14555

OPERATOR

CERT. NO.

502-540-6000

PLANT TELEPHONE

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS 0 X 4 = 0

SEWERED POPULATION