



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

January 12, 2016

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

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

Dear Ms. Edwards:

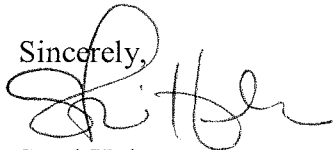
Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Floyds Fork WQTC for the month of December 2015.

There were no exceedances or bypasses to report.

Overflow report attached.

Also attached is the 4th quarter biomonitoring DMRs

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

Sincerely,


Staci Huber
Process Supervisor

SMH/ Floyds Fork 12/15

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	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:	001-1 MUNICIPAL DISCHARGE		

Report Dates & Status

Monitoring Period:	From 12/01/15 to 12/31/15	DMR Due Date:	01/28/16	Status:	NetDMR Validated
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Considerations for Form Completion

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		
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						=	7.1			=	8	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	=	93	=	128	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							=	383	=	401	19 - mg/L	03/07 - Three Per Week	CP - COMPOS			
					Permit Req.																
					Value NODI																
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample							=	9	=	12	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.																
					Value NODI																
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	41	=	105	26 - lb/d			=	1	=	3	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	=	10	=	16	26 - lb/d			=	0.3	=	0.3	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	=	3.93	=	5.396	03 - MGD								99/99 - Continuous	CN - CONTIN		
					Permit Req.																
					Value NODI																
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	3.787	=	5.807	03 - MGD								99/99 - Continuous	CN - CONTIN		
					Permit Req.																
					Value NODI																
51040	E. coli	1 - Effluent Gross	0	--	Sample							=	2	=	3	13 - #/100mL	03/07 - Three Per Week	GR - GRAB			
					Permit Req.																
					Value NODI																
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	67	=	108	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							=	226	=	264	19 - mg/L	03/07 - Three Per Week	CP - COMPOS			
					Permit Req.																
					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.																
					Value NODI																
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample							=	99			23 - %	01/30 - Monthly	CA - CALCTD			
					Permit Req.																
					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_12_FFQWTC_OverflowReport.pdf	pdf	101648
12_2015_FloydsForkCoverLetter.pdf	pdf	44991
12_2015_FloydsForkMOR.pdf	pdf	117799

Report Last Saved By

FLOYDS FORK WQTC MSD

User: kevin.ries@louisvillemsd.org	Date/Time: 2016-01-15 09:49 (Time Zone: -05:00)
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 10/01/15 to 12/31/15			DMR Due Date:	01/28/16				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.ries@louisvillemsd.org				Date/Time:	2016-01-15 09:38 (Time Zone: -05:00)														
Name:	Kevin Ries																			
E-Mail:	kevin.ries@louisvillemsd.org																			

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: December 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			Total Nitrogen	TOTAL FLOW (MILLION GALLONS)		
		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		WAST. EP	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					
																		GAL/DAY x 1000	MLSS x1000					GAL/DAY x 1000	30 MIN.	60 MIN.	GALLONS x 1000	% DRY SOLIDS	% VOLATILE SOLIDS				% DRY SOLIDS			% VOLATILE SOLIDS	WITHDRAWN GALLONS x 1000
1	6.055	2.48	2.48	7.3	8.0				8.8		316		3	184		2	1.37	8590	45000	3.5	2350	1890	250		6.924			1.41	56700	0.30	0.44				6.92403		
2	4.349	2.48	2.48	7.3	8.0				8.8		608		3	269		2	1.10	8500	48000	5.0	2470	2000	250		4.478				63000	0.30	0.22	1	5.65	4.47773			
3	3.591	2.48	2.48	7.4	8.0				8.6		80		3	69		2	0.51	8590	47000	5.8	2450	1990	250		3.478				88200	0.34	0.22	1			3.47784		
4	3.073	2.48	2.48	7.3	7.8				8.3								0.33	8880	44000	5.5	2380	1980	250		3.022				50400			7			3.02206		
5	2.763	2.48	2.48	7.4	7.9				8.4								0.36	8250	40000	5.8	2360	1990	250		2.957				0						2.95698		
6	2.751	2.48	2.48	7.4	8.0				8.5								0.90	9240	40000	3.8	2400	2020	250		2.931				0						2.93069		
7	2.599	2.48	2.48	7.4	7.8				9.2								0.90	9200	45000	2.8	2540	2130	250		2.699		1.32		0							2.69938	
8	2.393	2.48	2.48	7.4	7.9				9.2		384		3	248		2	0.83	9370	44000	2.8	2480	2050	250		2.555				94500	0.30	0.21				2.55554		
9	2.396	2.48	2.48	7.3	7.8				9.2		432		3	312		2	0.80	9380	42000	2.4	2410	2070	250		2.461				63000	0.30	0.23	1	7.42		2.46119		
10	2.370	2.48	2.48	7.4	7.7				8.4		376		3	125		2	0.77	9170	42000	2.6	2380	1980	250		2.439				56700	0.30	0.40	1			2.43922		
11	2.313	2.48	2.48	7.4	7.6				9.0								0.72	9480	41000	2.3	2350	1990	250		2.362				31500			2			2.36231		
12	2.421	2.48	2.48	7.3	7.8				8.8								0.78	9110	40000	2.2	2340	2010	250		2.446				24900						2.44561		
13	2.562	2.48	2.48	7.5	7.7				8.6								0.79	9470	40000	2.5	2390	1990	250		2.493				0						2.49297		
14	3.074	2.48	2.48	7.4	7.9				8.8								0.72	8620	45000	2.8	2370	2000	250		3.013				0						3.01331		
15	2.814	2.48	2.48	7.4	8.0				8.9		372		3	223		2	0.91	8750	45000	3.0	2380	2000	250		2.874				0						2.87427		
16	2.679	2.48	2.48	7.4	7.8				8.6		460		3	280		2	0.98	8280	47000	2.6	2390	2010	250		2.675		1.53		0	0.30	1.20	6	10.83		2.675		
17	2.350	2.48	2.48	7.4	8.0				8.8		368		3	208		2	0.63	8380	48000	2.8	2470	2120	260		2.491				94500	0.30	0.45	1			2.49109		
18	2.350	2.48	2.48	7.4	7.9				8.6								0.87	8640	50000	4.0	2670	2210	260		2.411				91800			3			2.41119		
19	2.350	2.48	2.48	7.4	7.9				8.5								0.84	8510	50000	6.1	2590	2180	250		2.458				0						2.45838		
20	2.380	2.48	2.48	7.4	7.8				8.6								0.80	8620	50000	4.5	2620	2220	250		2.423				0						2.42339		
21	2.591	2.48	2.48	7.4	8.0				8.7								0.82	8520	48000	4.9	2500	2130	250		2.488				0						2.48763		
22	3.816	2.48	2.48	7.1	7.9				9.5		400		3	295		2	0.92	8270	48000	2.8	2450	2100	250		3.861		1.11		0	0.30	4.90					3.8614	
23	3.488	2.48	2.48	7.3	8.0				9.4		508		3	392		2	1.00	7210	53000	3.0	2330	2050	250		4.026				44100	0.30	3.20	2			4.02584		
24	5.388	2.48	2.48	7.6	7.8				9.5								2.12	7400	45000	2.9	2590	2200	250		6.236				8700			18			6.23596		
25	4.158	2.48	2.48	7.4	7.8				9.7								1.59	6070	45000	5.5	2910	2380	300		4.236				0						4.23634		
26	4.442	2.48	2.48	7.4	7.9				9.8								1.62	6040	45000	3.2	2730	2220	300		4.476				0						4.47573		
27	8.087	2.48	2.48	7.3	8.0				9.6		296		3	105		3	2.88	8870	45000	3.8	3130	2650	250		9.219				0						9.21918		
28	8.395	2.48	2.48	7.3	8.0				9.9								2.66	8790	54000	3.2	2900	2320	250		8.592				25200			1			8.59201		
29	8.395	2.48	2.48	7.4	7.9				9.8								1.51	8480	56000	5.0	2910	2430	270		6.355				18000						6.35544		
30	11.798	2.48	2.48	7.3	8.0				9.5								0.67	9160	51000	6.0	2840	2210	250		4.571		1.56		73500						4.57084		
31	3.529	2.48	2.48	7.3	7.1				9.5								2.20	9100	49000	5.8	2700	2050	250		3.75				80100						3.75068		
Tot.	121.71	74.4	76.88														33.87																				
Avg.	3.926	2.48	2.48	7.4	7.9				9.0		383		3	226		2	1.093	8546	46193.5	3.835	2541	2115	254.5		3.787		1.386		31123	0.31	1.33	2	7.967		3.787		

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
 37392 FLOW
 43498 CBOD
 59771 TSS

Randolph P. Kustes Jr. OPERATOR
 14555 CERT. NO.

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

502-540-6000
 PLANT TELEPHONE

Report Selections: Period: 12/01/2015 00:00 thru 12/31/2015 23:59, treatment Plant: MSD0294 FLOYDS FORK, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0102784	MSD0294	FLOYDS FORK	FLOYDS FORK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	33003	815 TUCKER STATION RD		FLOYDS FORK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2476632		12/27/2015	DAVIS	BLANFORD	DOCUMENTED	03/09/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	12/27/15 05:00 PM	

Discharge Reporting:

Discharge Amount:	900 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD TO CLEAN AND SANITIZE AFFECTED AREA
Control Zone:	CAUTION TAPE, TEMP SIGNS
Impact:	SEWAGE AND DISCOLORATION IN STREAM
Repair:	AREA INCLUDED IN IOAP
Public Notification:	DOOR CARDS NOTIFIED

Notifications:

12/27/15 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG'
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Report Selections: Period: 12/01/2015 00:00 thru 12/31/2015 23:59, treatment Plant: MSD0294 FLOYDS FORK, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0102784	MSD0294	FLOYDS FORK	FLOYDS FORK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	65516	12400 BRIERLY HILL PL		FLOYDS FORK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2476636		12/27/2015	DAVIS	BLANFORD	DOCUMENTED	12/27/2015	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	12/27/15 05:00 PM	

Discharge Reporting:

Discharge Amount:	900 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD TO CLEAN AND SANITIZE AFFECTED AREA
Control Zone:	TAPE AND SIGNS
Impact:	SEWAGE
Repair:	AREA INCLUDED IN IOAP
Public Notification:	DOOR CARDS

Notifications:

12/27/15 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG'
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Report Selections: Period: 12/01/2015 00:00 thru 12/31/2015 23:59, treatment Plant: MSD0294 FLOYDS FORK, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0102784	MSD0294	FLOYDS FORK	FLOYDS FORK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	69305	15026 BIRCHAM RD		FLOYDS FORK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2476697		12/27/2015	MARKS JR	OPS BSHIFT CENTRAL	DOCUMENTED	12/17/2015	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	12/28/15 07:40 AM	

Discharge Reporting:

Discharge Amount:	24,375 GAL
Cause:	RAIN EVENT CAUSED A LACK OF SYSTEM CAPACITY
Clean Up:	NO DEBRIS
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE OBSERVED
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP
Public Notification:	TEMPORARY SIGNS USED TO WARN PUBLIC

Notifications:

12/27/15 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
12/27/15 1:00 pm	DISSNO	SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'

Total Facilities Printed: 3

Total Work Orders Printed: 3