



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

April 20, 2015

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

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

There were no exceedences or bypass reports for the month of March.

Also included are the overflow reports for the month of March and the First qtr Bio monitoring report.

If you have any questions concerning the attached DMR's, please contact me at (502) 587-5832

Sincerely,

A handwritten signature in black ink, appearing to read "John Kessel", written in a cursive style.

John Kessel
Process Supervisor, West region

JK/ Floyds Fork 3/15

Enclosures

cc: T. Singleton
R. Shaw
C. Roth



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 (JEFFERSON,KY), KY 40245

Report Dates & Status			
Monitoring Period:	From 03/01/15 to 03/31/15	DMR Due Date:	04/28/15
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				=	8				19 - mg/L	0	03/07 - Three Per Week 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	=	7.4				=	8.2			12 - SU	0	03/07 - Three Per Week 03/07 - Three Per Week	GR - GRAB GR - GRAB	
					Permit Req.	>=	6 MINIMUM								12 - SU				
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	62	=	83	26 - lb/d	=	2	=	4	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	=	12847	=	21769	26 - lb/d	=	457	=	962	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	2	--	Sample	=	8	=	16	26 - lb/d	=	0.3	=	0.6	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	136 MO AVG	<=	203 MX WK AV	26 - lb/d	<=	5 MO AVG	<=	7.5 MX WK AV	19 - mg/L				
					Value NODI														
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	437	=	480	26 - lb/d	=	15	=	21	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	=		=			=	0.5	=	0.6	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	=	4.2	=	10.86	03 - MGD						0	03/07 - Three Per Week 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	=		=			=	4	=	6	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	=	119	=	148	26 - lb/d	=	4	=	5	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	=	7001	=	12434	26 - lb/d	=	254	=	555	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	=	99								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
FFMOR032015.XLS	xls	339456
20153_FloydsFork_OverflowReport.pdf	pdf	73688
FF_Cover.pdf	pdf	47139

Report Last Saved By

FLOYDS FORK WQTC MSD

User:	kevin.ries@louisvillemsd.org		Date/Time:	2015-04-23 13:25 (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
Major:	Yes	Permittee Address:	1100 BLUE HERRON RD LOUISVILLE, KY 40245
Permitted Feature:	001 External Outfall	Discharge:	001-Y QUARTERLY METALS/BIOMONITORING
Facility:		Facility:	FLOYDS FORK WQTC MSD
		Facility Location:	1100 BLUE HERRON RD LOUISVILLE (JEFFERSON,KY), KY 40245

Report Dates & Status			
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Last Name:	Hetizman	Telephone:	502-540-6000

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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						=	238		=	238	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/30 - Monthly	CP - COMPOS	
					Value NODI															
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						=	69		=	69	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.5		<	0.5	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						<	1		<	1	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/30 - Monthly	CP - COMPOS	
					Value NODI															
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						=	20		=	20	19 - mg/L	0	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	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.										<=	1 DAILY MX		2G - tox chronic	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:	2015-04-23 13:25 (Time Zone: -04:00)
Name:	Kevin Ries		
E-Mail:	kevin.ries@louisvillemtd.org		

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: March 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	RETURN		WASTED	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 COLIFORMI (COLONIES/100ML)		
																		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	2.935	2.48	2.48	7.3	7.8						250	3	210		4	0.72	6240	40000	5.9	2360	2070	200	200	2.662					0		0.41	
2	3.203	2.48	2.48	7.3	7.8						420	3	206		3	0.78	7500	50000	3.9	2450	2190	200	200	2.928					31500	0.72	0.42	6		
3	3.274	2.48	2.48	7.7	7.9						370	3	212		5	1.61	7550	60000	4.9	2480	2190	200	200	3.536					18900	0.20	0.96	4		
4	10.861	2.48	2.48	7.4	7.9											3.05	7290	60000	5.9	2390	2080	180	180	11.708					56100			2		
5	6.574	2.48	2.48	7.5	7.7											3.30	4710	40000	6.3	2610	2320	220	220	6.6					0	0.17				
6	4.579	2.48	2.48	7.5	7.8											2.75	5210	50000	7.3	2590	2270	220	220	0.455					25200					
7	4.232	2.48	2.48	7.5	7.7											2.33	6890	40000	8.0	2450	2220	220	220	4.097					25200					
8	5.191	2.48	2.48	7.4	7.9						265	1	89		3	2.40	7210	40000	7.9	2580	2260	220	220	4.946					0	0.45	0.16			
9	4.685	2.48	2.48	7.5	7.8						162	1	108		3	2.67	6380	50000	8.0	2460	2150	200	200	4.532			0.869		54300	0.69	0.10	2		
10	7.924	2.48	2.48	7.4	7.7						116	1	78		3	2.71	6720	50000	7.4	2760	2370	200	200	7.515					31500	0.40	0.11	16		
11	5.149	2.48	2.48	7.5	7.8											3.99	7100	50000	9.0	2690	2320	200	200	5.145					119700			6		
12	3.617	2.48	2.48	7.3	7.6											3.01	5100	50000	8.5	2720	2520	200	200	3.416					113400					
13	5.480	2.48	2.48	7.2	7.7											2.83	6100	50000	8.3	2700	2480	200	200	5.455					0					
14	10.356	2.48	2.48	7.3	7.5											2.78	6700	50000	6.1	2570	2290	200	200	10.204					0					
15	5.115	2.48	2.48	7.1	7.4						245	1	113		3	2.33	3950	50000	8.2	1990	1480	100	100	4.964					0	0.52	0.46			
16	4.693	2.48	2.48	7.2	7.9						302	1	160		3	1.00	7120	50000	7.9	2650	2280	200	200	3.635			1.786		25200	0.19	0.08	2		
17	3.488	2.48	2.48	7.4	8.1						470	1	205		3	1.34	8810	50000	7.0	2370	2050	200	200	3.036					31500	0.37	0.11	2		
18	2.980	2.48	2.48	7.3	8.0											1.37	6660	50000	7.3	2580	2200	250	250	2.702					49800			2		
19	2.900	2.48	2.48	7.4	8.0											1.19	7610	50000	6.7	2590	2210	250	250	2.551					93900					
20	2.906	2.48	2.48	7.5	8.2											1.32	6850	50000	5.7	2900	2450	230	230	2.586					6300					
21	2.769	2.48	2.48	7.4	8.1											1.19	7030	50000	5.4	2610	2370	240	240	2.488					0					
22	2.811	2.48	2.48	7.3	8.0						875	4	388		4	0.96	7100	50000	5.4	2690	2380	230	230	2.488					0	0.56	0.09			
23	2.693	2.48	2.48	7.2	8.1						1490	4	581		3	1.17	7100	50000	4.0	2750	2320	250	250	2.288			1.03		31500	0.69	0.09	2		
24	2.611	2.48	2.48	7.2	8.1						520	3	696		8	1.19	7070	50000	4.9	2720	2260	250	250	2.193					31500	0.58	0.07	12		
25	2.554	2.48	2.48	7.4	8.2											1.12	7010	50000	5.3	2920	2510	250	250	2.197					37800			2		
26	3.068	2.48	2.48	7.5	8.2											1.09	8670	50000	4.6	2850	2390	250	250	2.589					43500					
27	2.910	2.48	2.48	7.4	8.1											1.10	8300	50000	3.0	2830	2400	250	250	2.572					44100					
28	2.739	2.48	2.48	7.3	8.0											1.13	8100	40000	6.9	2750	2320	250	250	2.429					56700					
29	2.774	2.48	2.48	7.4	8.1											1.15	8120	40000	6.5	2790	2350	250	250	2.393					0					
30	2.692	2.48	2.48	7.3	7.7											0.55	9340	50000	4.1	3440	3070	250	250	2.22					37800					
31	2.522	2.48	2.48	7.4	8.1											1.05	5270	50000	4.7	2320	2020	250	250	2.166					37800					
Tot.	130.29	76.88	76.88													55.18																		
Avg.	4.203	2.48	2.48	7.4	7.9						457	2	254		4	1.78	6929	48710	6.29	2631	2284	219.7	219.7	3.8289032			1.1768		32361.3	0.46	0.26	4		

RESIDENTIAL COMMERCIAL INDUSTRIAL FLOW 40026 INDUSTRIAL WASTE POPULATION EQUIVALENT 52336 76291 TSS OPERATOR Randolph P. Kustes Jr. CERT. NO. 14555

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

502-540-6000 PLANT TELEPHONE

Report Selections: Period: 03/01/2015 00:00 thru 03/31/2015 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
SLS Sewer Lift Station	MSD0165-PS	17009 OLDE COPPER CT	OLDE COPPER CT	FLOYDS FORK	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2320545		3/4/15 8:51 am	SINGLETON	OPS BSHIFT CENTRAL	DOCUMENTED	05/13/2012	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	03/05/15 11:00 AM	

Discharge Reporting:

Discharge Amount:	7,845 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE OBSERVED
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
Public Notification:	TEMPORARY SIGNS POSTED AROUND AFFECTED AREA

Notifications:

3/4/15 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemad.org, Sayre.Dennis@epamail.epa.gov'
3/4/15 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemad.org, Sayre.Dennis@epamail.epa.gov'



Report Selections: Period: 03/01/2015 00:00 thru 03/31/2015 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
SLS Sewer Lift Station	MSD1189-PS	2410 S POPE LICK RD	SOUTH POPE LICK		

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISDW:DRY WEATHER DISCHARGE	2324825		3/12/15 11:15 am	SINGLETON	OPS BSHIFT CENTRAL	REPAIRED - ISSUE RESOLVED	03/12/2015	MECHANICAL FAILURE	UNAUTHORIZED DISCHAGE - WATERS	03/13/15 01:15 AM	

Discharge Reporting:

Discharge Amount:	50,000 GAL
Cause:	BROKEN 18" FORCE MAIN
Clean Up:	MSD RAKED AND BAGGED DEBRIS & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS PLACED AROUND THE IMPACTED AREA
Impact:	SEWAGE, SOLIDS, DEBRIS IMPACTING POPE LICK STREAM
Repair:	MSD & CONTRACTOR MAKING REPAIRS
Public Notification:	TEMPORARY SIGNS PLACED AROUND THE AFFECTED AREA

Notifications:

	DISNOT	Manual email notification sent.
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Total Facilities Printed: 2

Total Work Orders Printed: 2