



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

May 20, 2015

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

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

There were no exceedences or bypasses reports for the month of April.

Also included are the overflow reports.

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 be "JK", written in a cursive style.

John Kessel
Process Supervisor, West region

JK/ Floyds Fork 4/15

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, KY 40245

Report Dates & Status			
Monitoring Period:	From 04/01/15 to 04/30/15	DMR Due Date:	05/28/15
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									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	=	7.6				=	8.1			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	=	52	=	84	26 - lb/d	=	2	=	3	19 - mg/L	0	01/07 - Weekly 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	=	8410	=	10150	26 - lb/d	=	302	=	351	19 - mg/L	0	01/07 - Weekly 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	=	9	=	23	26 - lb/d	=	0.3	=	0.7	19 - mg/L	0	01/07 - Weekly 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	=	385	=	444	26 - lb/d	=	14	=	17	19 - mg/L	0	01/07 - Weekly 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					19 - mg/L	0	01/07 - Weekly 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	1 MO AVG	<=	1.5 MX WK AV	19 - mg/L					19 - mg/L				
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	3.84	=	13.55	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					13 - #/100mL	0	01/07 - Weekly 03/07 - Three Per Week	GR - GRAB GR - GRAB	
					Permit Req.	<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL					13 - #/100mL				
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	94	=	115	26 - lb/d	=	3	=	4	19 - mg/L	0	01/07 - Weekly 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	=	4726	=	5776	26 - lb/d	=	175	=	254	19 - mg/L	0	01/07 - Weekly 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
FF042015_MOR.XLS	xls	338944
20154_FloydsFork_OverflowReport.pdf	pdf	72174
FF_cover_042015.pdf	pdf	39927

Report Last Saved By**FLOYDS FORK WQTC MSD**

User:	kevin.ries@louisvillemsd.org	Date/Time:	2015-05-22 13:33 (Time Zone: -04:00)
Name:	Kevin Ries		
E-Mail:	kevin.ries@louisvillemsd.org		

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: April 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	GAL/DAY X 1000	MLSS X 1000	GAL/DAY X 1000	WAST. ED	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)		
																									30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS				% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000
1	2.575	2.48	2.48	7.2	7.6				8.7		370		2	195		3	1.14	7840	50000	5.0	2960	2550	260		2.14					1.068		12600	0.43	0.17	
2	4.209	2.48	2.48	7.4	7.8				8.5		486		4	165		5	1.23	7180	50000	4.3	2850	2460	250		3.639						56700	0.65	1.80	2	
3	13.545	2.48	2.48	7.4	7.9				8.9								4.75	8250	50000	2.9	2340	1980	200		14.91						44100			2	
4	6.836	2.48	2.48	7.3	7.8				8.8								2.20	8200	40000	6.0	2330	2000	210		6.74					12600					
5	4.184	2.48	2.48	7.4	7.7				8.6		156		2	84		3	1.76	8070	40000	6.3	2400	2060	220		3.884				0	0.34	0.09				
6	3.991	2.48	2.48	7.4	7.9				8.4								1.87	8860	50000	7.0	2670	2100	210		3.183				31500			2			
7	4.104	2.48	2.48	7.5	8.1				8.8								1.36	8740	50000	6.8	2550	2090	250		3.909			1.025		31500					
8	4.566	2.48	2.48	7.3	8.1				8.6		124		1	73		3	1.28	8800	50000	7.0	3240	2520	240		4.613				75600	0.67	0.10				
9	5.086	2.48	2.48	7.4	8.1				8.8		149		1	92		3	1.26	9350	50000	6.8	3150	2250	250		5.123				25200	0.43	0.16	2			
10	4.443	2.48	2.48	7.4	8.1				8.2								1.40	9210	50000	7.0	3070	2420	250		4.514				75600			2			
11	3.372	2.48	2.48	7.3	8.0				8.1								1.45	8910	40000	8.1	3140	2250	250		3.438				0						
12	3.053	2.48	2.48	7.4	7.9				8.4		388		2	255		3	1.13	8300	40000	7.5	3200	2500	250		3.054				0	0.71	0.18				
13	3.132	2.48	2.48	7.5	7.9				8.5								1.80	7340	50000	5.0	3060	2430	250		2.944			1.085		37800			2		
14	4.603	2.48	2.48	7.4	7.8				8.7								1.77	8210	50000	4.2	3010	2410	250		4.536				44100						
15	3.654	2.48	2.48	7.5	7.7				8.6		246		1	97		3	1.33	9480	50000	6.0	2860	2230	250		3.672				37800	0.47	0.09				
16	3.082	2.48	2.48	7.5	8.1				8.8		336		2	208		3	1.06	7080	50000	5.5	2990	2340	250		3.052				50100	0.43	0.09	2			
17	2.742	2.48	2.48	7.5	8.0				8.7								1.96	10490	50000	5.3	2800	2160	250		2.758				56700			2			
18	2.673	2.48	2.48	7.5	8.0				8.7								1.90	6470	40000	6.3	2930	2300	250		2.641				0						
19	3.606	2.48	2.48	7.5	8.1				8.6		312		2	166		3	1.68	6690	40000	5.6	2680	2050	250		3.437				0	0.51	0.20				
20	4.383	2.48	2.48	7.4	8.1				8.8								1.36	8220	50000	3.4	3180	2530	250		4.282			1.229		37800			2		
21	3.191	2.48	2.48	7.4	7.8				8.6								1.30	8440	50000	6.0	3160	2510	250		3.237				44100						
22	2.788	2.48	2.48	7.2	8.0				8.7		286		1	168		3	1.24	8190	50000	5.5	2800	2210	250		2.774				31500	0.30	0.09				
23	2.571	2.48	2.48	7.3	7.9				8.6		356		1	289		3	1.29	7070	50000	5.9	2860	2320	250		2.582				63000	0.40	0.09	2			
24	2.436	2.48	2.48	7.2	7.9				8.7								1.43	6900	50000	5.6	2780	2270	250		2.366				37800			2			
25	2.744	2.48	2.48	7.3	7.8				8.6								1.26	7000	40000	5.0	2750	2250	250		2.597				0						
26	2.850	2.48	2.48	7.4	7.9				8.8		410		2	304		3	1.31	6880	40000	3.5	2790	2240	250		2.821				0	0.60	0.20				
27	3.333	2.48	2.48	7.2	8.0				8.5								0.66	7320	50000	3.8	2950	2340	250		2.631			0.973		18900			2		
28	2.565	2.48	2.48	7.5	8.1				8.6								0.62	8170	50000	5.0	2580	1960	250		2.526				31500						
29	2.501	2.48	2.48	7.3	8.0				8.8								0.79	8220	50000	3.9	2790	2230	250		2.446				31500						
30	2.480	2.48	2.48	7.4	8.0				8.5								0.76	8560	50000	4.1	2820	2260	250		2.383				50400						
31																																			
Tot.	115.30	74.4	74.4														44.32													938400					
Avg.	3.843	2.48	2.48	7.4	7.9				8.6		302		2	175		3	1.477	8081.3	47333.3	5.477	2856	2274	244.7		3.761			1.076		31280	0.50	0.27	2		

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
 36603
 FLOW

32933
 CBOD

46032
 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: 04/01/2015 00:00 thru 04/30/2015 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
SMN Sewer Main	96911B-V	817 GILLILAND RD		LONG RUN	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISDW:DRY WEATHER DISCHARGE	2347658		4/24/15 2:50 pm	SINGLETON	OPS BSHIFT CENTRAL	REPAIRED - ISSUE RESOLVED	04/27/2015	STRUCTURAL FAILURE	UNAUTHORIZED DISCHAGE - WATERS	04/27/15 09:45 AM	

Discharge Reporting:

Discharge Amount:	68,100 GAL
Cause:	FORCE MAIN BREAK
Clean Up:	CLEAN UP WO#2351295
Control Zone:	TEMPORARY SIGNS PLACED
Impact:	SEWAGE OBSERVED
Repair:	SWITCH FORCE MAINS WHILE CONTRACTOR REPAIRS
Public Notification:	TEMPORARY SIGNS PLACED AROUND THE AFFECTED AREA

Notifications:

4/27/15 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org'
4/27/15 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'

Total Facilities Printed: 1

Total Work Orders Printed: 1