



MSD

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

January 12, 2010

Ms Carolena Bentley
DMR Coordinator
200 Fair Oaks Lane
Frankfort, Kentucky 40601

RE: Floyds Fork Wastewater Treatment Plant, KPDES No: KY0102784
Discharge Monitoring Report for January 2009.

Dear Ms Bentley

We recently discovered that the Phosphorus monthly average result we originally reported was incorrect.

The corrected Phosphorus monthly average result is still an exceedence. The cause of the exceedence was due to a clogged chemical feed line on our Sodium Aluminate feed system

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Floyds Fork wastewater treatment plant for the month of January 2009 with the corrected Phosphorus result.

If you have any questions concerning the attached DMR's, please contact me at (502)587-5856.

Sincerely,

D.J. Rheinlaender
Process Supervisor, East Region

DJR/ Floyds Fork 0109

Enclosures

cc: C. Roth (DOW Louisville)
T. Singleton
R. Shaw



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

NAME MSD FLOYDS FORK STP
 ADDRESS C/O CEDAR CREEK STP
 3405 CEDAR CREEK RD
 LOUISVILLE KY 40211

FACILITY MSD FLOYDS FORK STP
 LOCATION LOUISVILLE KY 40245

ATTN: DENNIS THOMASSON, SR METRO OPS

KY0102784
 PERMIT NUMBER

001 1
 DISCHARGE NUMBER

MAJOR (SUPER LV)
 F - FINAL
 MUNICIPAL DISCHARGE EFFLUENT
 *** NO DISCHARGE ***
 NOTE: Read Instructions before completing this form.

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	01	01		07	01	01

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN, DISSOLVED (DO)	00300 1 0 0	*****	*****		10.6	*****	*****	(17)	0	3/7	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	INST MIN	*****	*****	MG/L		THREE/	GRAB
PH	00400 3 0 0	*****	*****		8.0	*****	8.6	(12)	0	3/7	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	MINIMUM	*****	MAXIMUM	SD		THREE/	GRAB
SOLIDS, TOTAL SUSPENDED	00500 9 0 0	2426	2875	(LB)	*****	134	171	(19)	0	3/7	comp
RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MD AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MD AVG	REPORT MX WK AV	MG/L		THREE/	COMPOS
SOLIDS, TOTAL SUSPENDED	00500 1 0 0	38	45	(LB)	*****	2	2	(17)	0	3/7	comp
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	813 MD AVG	1220 MX WK AV	LBS/DY	*****	30 MD AVG	45 MX WK AV	MG/L		THREE/	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)	00610 9 0 0	288	335	(LB)	*****	16.1	20.1	(19)	0	3/7	comp
RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MD AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MD AVG	REPORT MX WK AV	MG/L		THREE/	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)	00610 1 0 0	2	5	(LB)	*****	0.15	0.30	(17)	0	3/7	comp
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	106 MD AVG	203 MX WK AV	LBS/DY	*****	5 MD AVG	15 MX WK AV	MG/L		THREE/	COMPOS
PHOSPHORUS, TOTAL (AS P)	00665 1 0 0	*****	*****		*****	1.4	1.8	(19)	0	3/7	comp
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	1.0 MD AVG	1.5 MX WK AV	MG/L		THREE/	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 [Signature]
 TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 DATE
 AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 For Phosphorus Violation see cover letter

NAME OF TREATMENT PLANT FLOYDS FORK

COUNTY JEFFERSON

MONTH OF: January 2009

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				
		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 COLIFORM (COLONIES/100ML)			
																		GAL/DAY X 1000	MLSS X 1000					GAL/DAY X 1000	90 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS				WITHDRAWN GALLONS X 1000		
1	2.134										78		3	150		3	1.852																		0.89	0.06	18
2	2.028			7.5	8.1				11.1								2.175	6.64		8	3.82	2.89	550											78			
3	2.158																1.586																		18		
4	2.313										116		2	78		3	1.781																	1.15	0.06	15	
5	2.040			7.5	8.0				11.3								1.764	6.73	50	7.9	3.77	2.89	490										30				
6	2.285			7.8							147		2	65		3	1.959	6.69	47	8.1	3.15	2.49	550									63	1.17	0.06	80		
7	3.046			7.6	8.1				11.2								1.756	7.87	41	7.6	3.6	2.76	500										50.4				
8	2.602			7.7							116		2	62		3	1.899	6.21	43	7.2	3.44	2.74	560									1.22	50.4	1.23	0.06	140	
9	2.285			7.5	8.0				12.1								2.216	6.95	40	8.4	3.46	2.74	540										50.4				
10	3.001																1.789																	25.2			
11	2.970										110		2	74		3	1.691																	1.20	0.06	2842	
12	2.616			7.5	8.1				11.4								1.604	6.94		7.9	3.29	2.63	560										94.5				
13	2.411			7.8							168		2				1.909	5.54	82	7.2	3.56	2.76	600									50.4	1.26	0.06	3		
14	2.178			7.5	8.1				10.6								1.892	7.04	55	8.4	3.49	2.68	550										88.2				
15	2.059			7.6							154		2	71		3	1.93	5.89	67	8	3.44	2.67	550									1.08	50.4	1.31	0.06	10	
16	1.963			7.6	8.0				12.4								2.445	5.84	52	8.6	3.36	2.58	600										50.4				
17	2.125																1.372																	12.6			
18	2.103										216		2	131		3	2.53																	1.39	0.06	3	
19	1.974				8.1				12.2								1.288																				
20	1.825			7.6							144		2	122		3	1.948	5.21	35	8.1	3.37	2.61	700										50.4	1.52	0.39	3	
21	1.790			7.5	8.0				12.6								1.696	6.13	40	7.6	3.32	2.61	650										50.4				
22	1.639			7.7							140		2	86		3	1.919	4.56	81	7	3.24	2.55	650									1.17	113.4	1.74	0.34	3	
23	1.855			7.5	8.0				11.5								1.915	5.15	56	8.2	3.29	2.59	700											88.2			
24	1.944																1.855																		18.9		
25	1.970										98		2	93		3	1.86																	1.87	0.28	3	
26	1.720			7.6	8.1				12.1								1.864	6.54	56	9.2	3.21	2.48	650										63				
27	1.590				8.1				12.4		118		2	116		3	1.572																	1.68	0.34	52	
28	5.367																2.053																				
29	3.865			7.6													1.827	7.47	54	8	3.46	2.75	620														
30	3.145			7.7													2.452	7.41	37	8.4	3.31	2.79	600														
31	2.856																1.203																				
Tot.	74.06																57.6																	1046			
Avg.	2.389			7.6	8.1				11.7		134		2	95		3	1.858	6.378	52.25	7.989	3.421	2.678	590									1.157	55.04	1.37	0.15	18	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

22752

11166

12690

FLOW

CBOD

TSS

OPERATOR

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

PLANT TELEPHONE