



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

August 24, 2009

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 July 2009.

Dear Ms Bentley

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Floyds Fork WTP for the month of July 2009.

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

Sincerely,

A handwritten signature in black ink, appearing to read "D.J. Rheinlaender", with a large, stylized flourish at the end.

D.J. Rheinlaender
Process Supervisor, East Region

DJR/ Floyds Fork 0709

Enclosures

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



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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME FLOYDS FORK WQTC MSD

ADDRESS C/O CEDAR CREEK WQTC

8405 CEDAR CREEK RD

LOUISVILLE

KY 40211

FACILITY FLOYDS FORK WQTC MSD

LOCATION LOUISVILLE

KY 40245

ATTN: DENNIS THOMASSEN, SR METRO OPS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

KY0102784

PERMIT NUMBER

001 1

DISCHARGE NUMBER

MAJOR

(SUBR LV)

F - FINAL

MUNICIPAL DISCHARGE

EFFLUENT

*** NO DISCHARGE ***

NOTE: Read Instructions before completing this form.

JEFFIE

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN, DISSOLVED (DO)	SAMPLE MEASUREMENT	*****	*****		8	*****	*****	(19)	0	3/7	GR
00300 1 0 0	PERMIT REQUIREMENT	*****	*****	****	7	*****	*****	MG/L		THREE/4WKS	
EFFLUENT GROSS VALUE				****	INST MIN					WEEK	
PH	SAMPLE MEASUREMENT	*****	*****		8.0	*****	8.3	(12)	0	3/7	GR
00400 1 0 0	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	7.0	BU		THREE/4WKS	
EFFLUENT GROSS VALUE				****	MINIMUM		MAXIMUM			WEEK	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	10511	33751	(25)	*****	456	1325	(19)	0	3/7	CP
00500 1 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	REPORT	REPORT	MG/L		THREE/4WKS	
RAW SEW INFLUENT		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV			WEEK	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	40	59	(25)	*****	2	2	(19)	0	3/7	CP
00500 1 0 0	PERMIT REQUIREMENT	813	1220		*****	30	45	MG/L		THREE/4WKS	
EFFLUENT GROSS VALUE		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV			WEEK	
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	234	237	(25)	*****	13	15	(19)	0	3/7	CP
00610 1 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	REPORT	REPORT	MG/L		THREE/4WKS	
RAW SEW INFLUENT		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV			WEEK	
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	1	2	(25)	*****	0.1	0.2	(19)	0	3/7	CP
00610 1 1 0	PERMIT REQUIREMENT	54	81		*****	2	3	MG/L		THREE/4WKS	
EFFLUENT GROSS VALUE		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV			WEEK	
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	*****	*****		*****	0.3	0.4	(19)	0	3/7	CP
00625 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	1.0	1.5	MG/L		THREE/4WKS	
EFFLUENT GROSS VALUE				****		MO AVG	MX WK AV			WEEK	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		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.				TELEPHONE		DATE			
EXCPT. DIR H. J. Scharden Jr						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR	MO

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

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ADDRESS C/O CEDAR CREEK WQTC

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LOUISVILLE

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LOCATION LOUISVILLE

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ATTN: DENNIS THOMASSEN, SR. METRO DPS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

KY0102784

PERMIT NUMBER

001 1

DISCHARGE NUMBER

MAJOR

(SUBR LV)

F - FINAL

MUNICIPAL DISCHARGE

EFFLUENT

*** NO DISCHARGE () ***

NOTE: Read Instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	2.32	5.44	(G2)	*****	*****	*****		0	CN	CA	
BOO50 1 0 0	REPORT	REPORT		*****	*****	*****	***		CONTINUOUS		
EFFLUENT GROSS VALUE	MO AVG	DAILY MX	MGD				****				
COLIFORM, FECAL GENERAL	*****	*****		*****	4	4	(13)	0	3/7	BR	
74055 1 0 0	*****	*****	****	*****	200	400 #/			THREE/ WEEK		
EFFLUENT GROSS VALUE	*****	*****	****	*****	30DA GEO	7 DA GEO	100ML				
BOO, CARBONACEOUS 05 DAY, 20C	1260	1415	(26)	*****	68	80	(19)	0	3/7	CP	
BOO62 0 0 0	REPORT	REPORT		*****	REPORT	REPORT			THREE/ WEEK		
RAW SEW/INFLUENT	MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV	MG/L				
BOO, CARBONACEOUS 05 DAY, 20C	57	76	(26)	*****	3	3	(19)	0	3/7	CP	
BOO62 1 0 0	271	407		*****	10	15			THREE/ WEEK		
EFFLUENT GROSS VALUE	MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV	MG/L				
BOO, CARE-5 DAY, 20 DEG C. PERCENT REMVL	*****	*****		96	*****	*****	(23)	0	11/31	CA	
BOO91 0 0 0	*****	*****	****	85	*****	*****	PER-		INCEZ/ CALCD		
PERCENT REMOVAL	*****	*****	****	MO MIN			CENT		MONTH		
SOLIDS, SUSPENDED PERCENT REMOVAL	*****	*****		100	*****	*****	(23)	0	11/31	CA	
BI011 0 0 0	*****	*****	****	85	*****	*****	PER-		INCEZ/ CALCD		
PERCENT REMOVAL	*****	*****	****	MO MIN			CENT		MONTH		
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		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 OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE	
Exec. Dir.								502 546 6666		79 08 17	
H. J. Thompson Jr.								AREA CODE NUMBER		YEAR MO DAY	
TYPED OR PRINTED											

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME OF TREATMENT PLANT FLOYDS FORK
 KPDES PERMIT NUMBER KY0102784

COUNTY JEFFERSON
 PLANT CAPACITY 3.5 MGD

MONTH OF: July 2009
 RECEIVING STREAM FLOYDS FORK

DATE	TOTAL FLOW (MILLION GALLONS)	PLANT CAPACITY										RECEIVING STREAM										FLOYDS FORK													
		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		WASTE	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)	FECAL COLIFORM (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	2.017			7.6							145		2	97		3	2.11	5610	5000	4.6	3700	2580	470							5650	0.08	0.06	4		
2	2.006			7.4	8.1				8.1		137		2	75		3	1.99	5950	4200	5.2	3820	2630	480								4520	0.11	0.06	4	
3	1.935			7.4	8.2				7.8								2.06	5680	4200	5.4	3620	2450	430								3150				
4	2.093										156		2	68		3	1.49														5650				
5	2.289																1.69																		
6	2.041			7.5	8.3				8.0								1.5	7650	4600	5.2	3880	2640	420								5040	0.14	0.06	4	
7	1.947			7.7													1.52	6240	4800	5.4	2890	1950	400								5040				
8	1.884			7.7							137		2	58		3	1.83	6970	4000	5.3	3700	2510	400								5040	0.12	0.06	4	
9	1.856			7.4	8.3				7.7		159		2	69		3	1.78	6660	4200	4.6	3860	2610	400					0.956			5040	0.16	0.34	4	
10	1.981			7.4	8.2				7.8								1.87	6240	4200	4.6	3750	2530	380								5040				
11	1.901																1.84																		
12	1.917										189		2	87		3	1.75															0.40	0.06	4	
13	1.749			7.6	8.0				8.2								1.73	6820	5600	4.3	3820	2570	350								5040				
14	1.773			7.6													1.99	5020	3000	4.4	3630	2490	350								4910				
15	1.990			7.6							229		2	72		3	1.79	6810	4600	5	3720	2590	350								4650	0.44	0.06	4	
16	2.001			7.4	8.3				8.8		174		2	57		3	1.75	6790	4300	4.4	3710	2530	320					0.99			5040	0.44	0.06	4	
17	2.073			7.4	8.3				7.8								1.73	6660	4500	4.4	3500	2440	300								5040				
18	2.102																1.93														2520				
19	2.073										164		2	68		3	2.01																0.45	0.06	4
20	1.895			7.5	8.3				8.2								1.72	4850	4100	4.6	3780	2580	310								4930				
21	1.832			7.7													1.6	5930	4600	4.4	3630	2480	300								5040				
22	3.096			7.6							120		2	52		3	1.87	4810	3200	5.6	3580	2430	300					1.02			4910	0.59	0.06	4	
23	2.992			7.4	8.1				9.5		116		2	52		3	1.57	8900	4000	5.9	3700	2560	300								5040	0.45	0.06	4	
24	2.255			7.4	8.3				7.8								1.5	8640	3300	4.6	3730	2680	300								4910				
25	2.485																1.35														1890				
26	3.054										3740		3	63		3	1.97															0.14	0.06	4	
27	2.308			7.6	8.1				7.9								1.53	8020	4200	5	3920	2680	350								4390				
28	2.171			7.6													1.79	6380	4300	6	3780	2470	350								4390				
29	5.437			7.6													1.64	9050	4000	3.7	3690	2420	330								4650				
30	3.324			7.7													1.75	7790	4700	5.4	3470	2300	350								4520				
31	3.506			7.5													1.99	8820	4100	5.2	3850	2490	330					1.01			4520				
Tot.	71.98																54.64																		
Avg.	2.322			7.5	8.2				8.1		456		2	68		3	1.763	6795	4248	4.922	3684	2505	359.6								120560	0.29	0.08	4	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
 22115
FLOW

7765
CBOD

42005
TSS

michael carter sr

OPERATOR

6173

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-587-5867

PLANT TELEPHONE