



MSD

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

February 23, 2007

Ms. Kathy Thurman
Kentucky Division of Water
14 Reilly Road
Frankfort, Kentucky 40601

RE: Floyds Fork Wastewater Treatment Plant, KPDES No: KY0102784
Discharge Monitoring Report
January 2007

Dear Ms. Thurman:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Floyds Fork Wastewater Treatment Plant, for the month of January 2007.

If you have any questions concerning the attached DMR's, please contact me at (502)241-9093.

Sincerely,

John Kessel
Process Supervisor, East Region

JMK/ Floyds Fork 0107

Enclosures

cc: M. Mudd (DOW Louisville)
E. Brady
T. Singleton
P. Burgin
R. Shaw



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

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

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

MAJOR

(SUBR LV)

F - FINAL

MUNICIPAL DISCHARGE

EFFLUENT

*** NO DISCHARGE [] ***

NOTE: Read Instructions before completing this form.

NAME MSD FLOYDS FORK STP
ADDRESS C/O LOUISVILLE/JEFF CO MSD
4822 ALONGQUIN PKWY
LOUISVILLE KY 40211-2497
FACILITY MSD FLOYDS FORK STP
LOCATION LOUISVILLE KY 40245
ATTN: ALEX E NOVAK, OPER MGR

KY0102784
PERMIT NUMBER

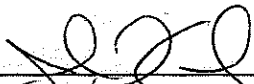
001 J
DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	01	01		07	01	31

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)	*****	*****			9.4	*****	*****	(19)	0	3/7	Grab
00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	INST MIN	*****	*****	MG/L		THREE WEEK	GRAB
PH	*****	*****			7.9	*****	8.4	(12)	0	3/7	Grab
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	MINIMUM	*****	7.0	SU		THREE WEEK	GRAB
SOLIDS, TOTAL SUSPENDED	*****	*****			*****	180	218	(19)	0	3/7	Comp
00500 0 0 0 RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT	REPORT	LBS/DY	*****	REPORT	REPORT	MG/L		THREE WEEK	COMPOS
SOLIDS, TOTAL SUSPENDED	*****	*****			*****	2.2	3	(19)	0	3/7	Comp
00500 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	813	1220	LBS/DY	*****	30	45	MG/L		THREE WEEK	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)	*****	*****			*****	11.2	13.6	(19)	0	3/7	Comp
00610 0 0 0 RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT	REPORT	LBS/DY	*****	REPORT	REPORT	MG/L		THREE WEEK	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)	*****	*****			*****	0.05	0.05	(19)	0	3/7	Comp
00610 1 2 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	136	203	LBS/DY	*****	5	7.5	MG/L		THREE WEEK	COMPOS
PHOSPHORUS, TOTAL (AS P)	*****	*****			*****	0.09	0.14	(19)	0	3/7	Comp
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	1.0	1.5	MG/L		THREE WEEK	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H.J. Schardin Jr
Exec. Director
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 OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
502 | 510-6000
DATE
07 | 02 | 93
AREA CODE | NUMBER | YEAR | MO | DAY

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

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

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

MAJOR
(SUBR LV)
F - FINAL
MUNICIPAL DISCHARGE
EFFLUENT

JEFFE

NAME MSD FLOYDS FORK STP
ADDRESS C/O LOUISVILLE/JEFF CO MSD
4522 ALCONQUIN PKWY
LOUISVILLE KY 40211-2497
FACILITY MSD FLOYDS FORK STP
LOCATION LOUISVILLE KY 40245

KY0102784
PERMIT NUMBER

001 1
DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	01	01		07	01	31

FROM

TO

*** NO DISCHARGE I [] ***

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	2.265	5.728	(C3)	*****	*****	*****		0	C/N	C/N	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MAX MOD	*****	*****	*****	****		CONTIN	CONTIN	
COLIFORM, FECAL GENERAL	6	67	(13)	*****	6	67		0	3/7	Grab	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MAX MOD	*****	200	400	*/		THREE	GRAB	
BOD, CARBONACEOUS 05 DAY, 20C	1913	2660	(26)	*****	104	126	(19)	0	3/7	Comp	
RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MAX WK AV LBS/DY	*****	REPORT MO AVG	REPORT MAX WK AV	MG/L		THREE	COMPOS	
BOD, CARBONACEOUS 05 DAY, 20C	28	44	(26)	*****	1.5	2	(19)	0	3/7	Comp	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MAX WK AV LBS/DY	*****	10	15	MG/L		THREE	COMPOS	
BOD, CARBONACEOUS 05 DAY, 20C	98.5%		(23)	*****	98.5%		(23)	0	1/31	Cal	
PERCENT REMOVAL	PERMIT REQUIREMENT	REPORT MO MIN	REPORT MAX WK AV PER-CENT	*****	REPORT MO MIN	REPORT MAX WK AV	PER-CENT		ONCE	CALCD	
SOLIDS, SUSPENDED PERCENT REMOVAL	98.6%		(23)	*****	98.6%		(23)	0	1/31	Cal	
PERCENT REMOVAL	PERMIT REQUIREMENT	REPORT MO MIN	REPORT MAX WK AV PER-CENT	*****	REPORT MO MIN	REPORT MAX WK AV	PER-CENT		ONCE	CALCD	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER H.J. Schwardin Jr Exec Director 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 OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	TELEPHONE	DATE		
			02 540-0000 AREA CODE NUMBER	07	02	23 YEAR MO DAY

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

NAME OF TREATMENT PLANT FLOYDS FORK

COUNTY JEFFERSON

MONTH OF: January 2007

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	WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	30 MIN.	60 MIN.	GALLONS X 1000	RAW			HAULED			PHOSPHORUS, TOTAL (mg/L)	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)			
																												% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000							
1	2.658										198	3	120			2	1.046	14530																			0.10	0.05	67
2	2.156			7.4	8.1						9.7		2	130		1	1.346	13780	46			3.4	4760	3030	440										37.8	0.09	0.05	10	
3	1.922			7.5	8.0						9.4		2	98		2	1.378	11560	62			3.9	3680		360										37.8	0.04	0.05	3	
4	1.765			7.4	8.3						9.8						1.196	8910	38			4.7	4190	2640	280										31.5				
5	2.817			7.4													1.679		40			4.4	4150												31.5				
6	1.701																1.054																			37.8			
7	2.751																1.237																						
8	2.175			7.3								270	3	143		2	1.369	14220	38			4.5	4510		340									50.4	0.14	0.05	3		
9	1.951			7.5	8.2						9.4		3	112		2	1.262	9070	28			5.4	3220	2110	210									113.4	0.08	0.05	3		
10	1.538			7.5	7.9						10.4		4	123		2	1.267	7640	45			7.4	3270	2040	210					2.09			75.6	0.10	0.05	3			
11	1.831			7.5	8.3						11.1						1.052	2880				7.5	1470	0.01	100								44.1						
12	1.800			7.4													0.834	1800				7.9	510		70								12.6						
13	4.159																1.858		74																				
14	5.728																2.024																						
15	4.457											128	3	61		1	1.013		50																0.11	0.05	20		
16	2.894			7.3	8.1						9.4		2	43		1	2.411	10480	69			4.5	4010	2590	230								107.1	0.02	0.05	3			
17	2.237			7.4	8.2						10.8		1	91		1	2.307	9110	43			6.3	3610	2260	220								88.2	0.02	0.05	3			
18	1.858			7.6	8.4						10.6						2.114	7960	41			6.4	3450	2170	220								88.2						
19	1.928			7.3													2.352	4330	30			7.6	3030	2090	220								37.8						
20	1.910																2.303																						
21	2.620																2.018																						
22	2.277			7.4								232	1	116		1	2.14	8300	77			5.7	3850		250								44.1	0.14	0.05	3			
23	1.868			7.5	8.2						10.1		1	112		1	1.981	7490	45			5.4	3490	2280	230								69.3	0.07	0.05	3			
24	1.818			7.4	8.2						10.1		1	95		2	2.006	8650	45			5.9	3360	2180	240								50.4	0.21	0.05	13			
25	1.647			7.4	7.9						10.4						2.003	6940	52			5.7	3330	2220	220								.062	50.4					
26	1.757			7.5													2.47	5470	57			7	3190		220									31.5					
27	1.726																2.357																		6.3				
28	1.590																2.002																		31.5				
29	1.707			7.3													2.194	5950				7.7	3400		260									56.7					
30	1.515			7.4													1.963	6700	63			0.6	3780		330									18.9					
31	1.456			7.4													1.956	7110	46			1	3540		300									50.4					
Tot.	70.22																54.19																		1203				
Avg.	2.265			7.4	8.2						10.1		2	104		2	1.748	8232	49.45			5.376	3419	2134	247.5							2.09	50.14	0.09	0.05	6			

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

21572 11520 16184
FLOW CBOD TSS

OPERATOR

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

PLANT TELEPHONE

NAME OF TREATMENT PLANT Floyds Fork

COUNTY Jefferson

Month of: January 2007

Avg. Flow: 2.27

		Sludge Disposal	
Date	Rainfall	in Gallons	Remarks
1	0.68	0	
2			collected composite samples, maint. pm 1&2 clarifiers, 1&2 grit classifiers
3		37800	collected composite samples
4		31500	collected composite samples, pm`ed aerators, checked manhole in field
5		31500	
6	0.5	37800	
7		0	
8	0.53	50400	put 1 clarifier in service
9		113400	collected composite samples & fecals. Api removed grit from #1 clarifier split
10		75600	collected composite samples & fecals, pm`ed fire ext. & first aide kit
11		44100	collected composite samples & fecals, acid washed sandfilters
12		12600	acid washed sandfilters
13	0.6	0	
14	1.4	0	
15	0.5	0	
16	0.25	107100	collected composite samples & fecals
17		88200	collected composite sampels & fecals
18		88200	collected composite samples & fecals, entered mor`s for dec 2006
19		37800	
20		0	
21	0.35	0	
22	0.15	44100	pm`ed #1&2 sand filters
23		69300	collected composite samples & fecals, checked manhole in field, ran plant gene
24		50400	collected composite samples & fecals, pm`ed #1&2 bar screens
25		50400	collected composite samples & fecals maint. Replaced gasket on #1 washwa
26		31500	maint. Put new check balls in #1 sodium aluminate pump
27		6300	
28		31500	
29		56700	
30		18900	pm`ed blowers
31		uminate	api nuclogged sodium aluminate line, pm`ed aerators, checked manhole in field