



MSD

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

June 25, 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 for May 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 May 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 0507

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)

NAME MSD FLOYDS FORN STP

ADDRESS C/O LOUISVILLE/JEFF CO MSD

4352 ALGONQUIN PARKY

LOUISVILLE

FACILITY MSD FLOYDS FORN STP

LOCATION LOUISVILLE

ATTN: ALEX E NOVAK, OPER MGR

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

KY0102784

PERMIT NUMBER

001

DISCHARGE NUMBER

MAJOR

(SUDR LV)

F - FINAL

MUNICIPAL DISCHARGE

EFFLUENT

*** NO DISCHARGE ***

MONITORING PERIOD

FROM YEAR MO DAY TO YEAR MO DAY

NOTE: Read Instructions before completing this form.

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	*****	*****		7.7	*****	*****	(17)	0	3/1	Grab
00300	PERMIT REQUIREMENT	*****	*****	***	INST MIN	*****	*****	MG/L		WEEK	
EFFLUENT CROSS VALUE	SAMPLE MEASUREMENT	*****	*****		8.0	*****	8.4	(12)	0	3/1	Grab
00400	PERMIT REQUIREMENT	*****	*****	***	MINIMUM	*****	*****	BU		WEEK	
EFFLUENT CROSS VALUE	SAMPLE MEASUREMENT	2	9	(25)	*****	197	226	(17)	0	3/1	Comp
00500	PERMIT REQUIREMENT	REPORT	REPORT		*****	REPORT	REPORT	MG/L		WEEK	
RAW SEW/INFLUENT	SAMPLE MEASUREMENT	21	34	(26)	*****	1.7	3	(17)	0	3/1	Comp
00600	PERMIT REQUIREMENT	813	1220		*****	30	45	MG/L		WEEK	
EFFLUENT CROSS VALUE	SAMPLE MEASUREMENT	184	195	(26)	*****	14.6	15.7	(17)	0	3/1	Comp
00700	PERMIT REQUIREMENT	REPORT	REPORT		*****	REPORT	REPORT	MG/L		WEEK	
RAW SEW/INFLUENT	SAMPLE MEASUREMENT	1.3	1.4	(26)	*****	0.10	0.10	(17)	0	3/1	Comp
00800	PERMIT REQUIREMENT	54	81		*****	0	0	MG/L		WEEK	
EFFLUENT CROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.06	0.08	(17)	0	3/1	Comp
00900	PERMIT REQUIREMENT	*****	*****	***	*****	0.10	1.0	MG/L		WEEK	
EFFLUENT CROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****	(17)	0	3/1	Comp
01000	PERMIT REQUIREMENT	*****	*****	***	*****	*****	*****	MG/L		WEEK	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Exec Director

H.J. Schneider

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

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)

NAME MSD FLOYDS FORK STP
ADDRESS C/O LOUISVILLE/JEFF CO MSD
4522 ALCOHOLIN PARK
LOUISVILLE KY 40211-2497

FACILITY MSD FLOYDS FORK STP

LOCATION LOUISVILLE KY 40245

ATTN: ALEX S NOVAK, DRER MOR

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

KY0102784

PERMIT NUMBER

001 1

DISCHARGE NUMBER

MONITORING PERIOD

FROM YEAR MO DAY TO YEAR MO DAY
07 05 01 07 05 01

MAJOR
(SUBR LV)
F - FINAL
MUNICIPAL DISCHARGE
EFFLUENT

JEFF

*** NO DISCHARGE ***

NOTE: Read Instructions before completing this form.

PARAMETER		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	SAMPLE MEASUREMENT	1.48	1.77	(0.03)	*****	*****	*****		0	9/2	9/2
MODED 0.0	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	****		CONTINUOUS	CONTINUOUS
EFFLUENT GROSS VALUE		MO AVG	DAILY MX	MGD				****			
COLIFORM, FECA, GENERAL	SAMPLE MEASUREMENT	*****	*****		*****	3	3	(13)	0	3/7	6.6
74055 0.0	PERMIT REQUIREMENT	*****	*****	****	*****	200	400	1		FREE/ WARD	
EFFLUENT GROSS VALUE		*****	*****	****		300A GED	7 DA GED	100ML		WEEK	
BOD, CARBONACEOUS 5 DAY, 20C	SAMPLE MEASUREMENT	1475	1929	(26)	*****	116	140	(17)	0	3/7	Long
80082 0.0	PERMIT REQUIREMENT	REPORT	REPORT		*****	REPORT	REPORT			FREE/ WARD	
RAW SEW/INFLUENT		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV	MG/L		WEEK	
BOD, CARBONACEOUS 5 DAY, 20C	SAMPLE MEASUREMENT	33	62	(25)	*****	217	5.0	(17)	0	3/7	Long
80082 0.0	PERMIT REQUIREMENT	271	407		*****	10	15			FREE/ WARD	
EFFLUENT GROSS VALUE		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV	MG/L		WEEK	
BOD, CARB-5 DAY, 20C	SAMPLE MEASUREMENT	*****	*****		97.4	*****	*****	(25)	0	1/31	Cal.
UBO G. PERCENT REMVL	PERMIT REQUIREMENT	*****	*****	****	MO MIN	*****	*****	PER-CENT		MONTH	
80091 0.0		*****	*****	****							
PERCENT REMOVAL				****							
SOLIDS, SUSPENDED	SAMPLE MEASUREMENT	*****	*****		99.1	*****	*****	(25)	0	1/31	Cal.
PERCENT REMOVAL	PERMIT REQUIREMENT	*****	*****	****	MO MIN	*****	*****	PER-CENT		MONTH	
61011 0.0		*****	*****	****							
PERCENT REMOVAL				****							
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Exec Director

H.J. Schneider

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

502

241 5013

07

06

22

AREA CODE

NUMBER

YEAR

MO

DAY

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: May 2007
 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 x1000	GAL/DAY x 1000					30 MIN.	60 MIN.	GALLONS x 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS				WITHDRAWN GALLONS x 1000
1	1.609	2		7.6							209		1	143		1	1.953	5.68	53	2.8	3600		450							31.2	0.06	0.10	3		
2	1.518			7.6	8.1					8.6		205		1	128		1	1.779	7.01	61	2.4	3410	2340	400						44.1	0.04	0.10	3		
3	1.820			7.5	8.0					8.7		152		1	148		2	1.802	8.95	45	2.7	3320	2260	400				1.17		12.3	0.04	0.10	3		
4	2.237			7.5	8.3					8.6								1.823	7.8	55	2.6	3310		380						37.8					
5	1.825																	1.616																	
6	1.812																	1.683																	
7	1.584			7.6														1.7	7.72	56	1.4	3560		500						25.2					
8	1.652	2		7.6							188		2	96		2	1.386	8.32	58	1.7	3830		450							25.2	0.04	0.10	3		
9	1.518			7.4	8.4					8.8		202		2	72		2	0.931	6.96	50	3.4	3630		400						37.8	0.09	0.10	3		
10	1.482			7.5	8.2					8.5		224		1	95		2	1.919	18.28		3	2040	1400	200				1.14		31.5	0.10	0.10	3		
11	1.323			7.3	8.2					8.3								1.394	7.79	43	3.5	4000	2440	400											
12	1.472																	1.586																	
13	1.445																	2.031																	
14	1.565			7.4														2.233	8.06	55	3.7	4030		450						6.3					
15	1.452			7.4							127		1	68		2	1.558	8.07	51	3.2	3860		400							50.4	0.09	0.10	3		
16	1.707			7.3	8.2					8.7		208		3	127		2	0.927		42	3.4									25.2	0.04	0.10	3		
17	1.441			7.3	8.3					7.7		174		4	120		2	1.804	7.21		3.7	1840		200						56.7	0.08	0.10	3		
18	1.541			7.4	8.4					8.1								2.041	6.57	40	4.1	3700	2510	450											
19	1.307																	1.654																	
20	1.378	2																1.701																	
21	1.349			7.3														1.788	5.39	57	4.4	4130		500						37.8					
22	1.421			7.3							188		1	99		12	1.97	6.39	63	5.4	3950		500							31.5	0.04	0.10	3		
23	1.306			7.4	8.3					7.9		244		1	99		2	1.657	6.91	68	3.4	3850	2620	400						37.8	0.04	0.10	3		
24	1.306			7.3	8.2					7.8		246		2	200		2	1.443	7.31	68	3.1	3580	2420	400				0.97		37.8	0.04	0.10	3		
25	1.175			7.4	8.0					7.8								1.673	7.3		3.7	3330	2250	350						31.5					
26	1.323																	1.644													25.2				
27	1.512	2																1.969																	
28	1.189																	1.317													31.5				
29	1.305			7.3														1.301	5.52	63	4	3750	2550	430						31.5					
30	1.290			7.4														1.653	4.27		4.4	3850	2680	400						27.8					
31	1.117			7.2														1.554	5.1	71	3.9	3900	2650	420				1.27		31.5					
Tot.	45.98	8																51.49													707.6				
Avg.	1.483	2		7.4	8.2					8.3		197		2	116		3	1.661	7.458	55.5	3.359	3546	2375	403.8				1.138		32.16	0.06	0.10	3		

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

14126 8459 11619
 FLOW CBOD TSS

OPERATOR

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

PLANT TELEPHONE