MSD

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

October 27, 2008

Ms Vickie L. Prather
Kentucky Division of Water
14 Reilly Road
Frankfort, Kentucky 40601

RE: Floyds Fork Wastewater Treatment Plant, KPDES No: KY0102784
Discharge Monitoring Report for September 2008.

Dear Ms Prather

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) For the Floyds Fork wastewater treatment plant for the month of September 2008.

Also included are the 3rd quarter Bio results.

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 0908

Enclosures

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

Form Approved.
OMB No. 2040-0004

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

NAME: MSD FLOYDS FORK STP
ADDRESS: C/O CEDAR CREEK STP
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY: MSD FLOYDS FORK STP
LOCATION: LOUISVILLE KY 40245
ATTN: DENNIS THOMASSON, SR METRO OPS

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

KY0102734 — PERMIT NUMBER
001 1 — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	09	01	TO	05	09	30

MAJOR
(SUBR LV:
F - FINAL
MUNICIPAL DISCHARGE
EFFLUENT
*** NO DISCHARGE | | | ***

JEFFE

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
OXYGEN, DISSOLVED (DO)	SAMPLE MEASUREMENT	*******	*******		7.0	*******	*******	(19)	0	3/7	Grab
00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	*******	****	7 INST MIN	*******	*******	MG/L		THREE/ WEEK	GRAB
PH	SAMPLE MEASUREMENT	*******	*******		7.9	*******	8.4	(12)	0	3/7	Grab
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	*******	**** ****	6.0 MINIMUM	*******	9.0 MAXIMUM	SU		THREE/ WEEK	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	5977	6471	(26)	*******	438.0	483.0	(19)	0	3/7	Comp
00530 6 0 0 RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	*******	REPORT MO AVG	REPORT MX WK AV	MG/L		THREE/ WEEK	COMPOS
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	27	28	(26)	*******	2.0	2.0	(19)	0	3/7	Grab
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	813 MO AVG	1220 MX WK AV	LBS/DY	*******	30 MO AVG	45 MX WK AV	MG/L		THREE/ WEEK	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	360	435	(26)	*******	26.0	31.0	(19)	0	3/7	Comp
00610 6 0 0 RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	*******	REPORT MO AVG	REPORT MX WK AV	MG/L		THREE/ WEEK	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	6.0	10.0	(26)	*******	0.47	0.67	(19)	0	3/7	Comp
00610 1 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	54 MO AVG	81 MX WK AV	LBS/DY	*******	2 MO AVG	3 MX WK AV	MG/L		THREE/ WEEK	COMPOS
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	*******	*******		*******	0.47	0.67	(19)	0	3/7	Comp
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	*******	**** ****	*******	1.0 MO AVG	1.5 MX WK AV	MG/L		THREE/ WEEK	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Exec Dir
H.J. Schaden Jr
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 AREA CODE	TELEPHONE NUMBER	DATE YEAR	DATE MO	DATE DAY
502	540-6333	08	10	24

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

Form Approved.
OMB No. 2040-0004

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

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

NAME MSD FLOYDS FORK STP
ADDRESS C/O CEDAR CREEK STP
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY LOCATION MSD FLOYDS FORK STP
LOUISVILLE KY 40245
ATTN: DENNIS THOMASSON, SR METRO OPS

PERMIT NUMBER	DISCHARGE NUMBER
KY0102784	001 1

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	08	09	01	TO	08	09	30

MAJOR
(SUBR LV)
F - FINAL
MUNICIPAL DISCHARGE
EFFLUENT
*** NO DISCHARGE [ ] ***
JEFFT

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PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	1.57	1.66	(03)	******	******	******		0	C/C	C/C
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	**** ****		CONTINUOUS	CONTIN
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	******	******		******	3.0	3.0	(13)	0	3/7	Grab
74055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	200 30DA GEO	400 7 DA GEO	#/ 100ML		THREE/ WEEK	GRAB
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	2959	3615	(26)	******	218	258	(19)	0	3/7	Comp
80082 G 0 0 RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	******	REPORT MO AVG	REPORT MX WK AV	MG/L		THREE/ WEEK	COMPOS
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	41	42	(26)	******	3.0	3.0	(19)	0	3/7	Comp
80082 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	271 MO AVG	407 MX WK AV	LBS/DY	******	10 MO AVG	15 MX WK AV	MG/L		THREE/ WEEK	COMPOS
BOD, CARB-5 DAY, 20 DEG C, PERCENT REMVL	SAMPLE MEASUREMENT	******	******		99.0%	******	******	(23)	0	1/30	Cal
80091 K 0 0 PERCENT REMOVAL	PERMIT REQUIREMENT	******	******	**** ****	85 MO MIN	******	******	PER- CENT		ONCE/ MONTH	CALCTD
SOLIDS, SUSPENDED PERCENT REMOVAL	SAMPLE MEASUREMENT	******	******		99.0%	******	******	(23)	0	1/30	Cal
81011 K 0 0 PERCENT REMOVAL	PERMIT REQUIREMENT	******	******	**** ****	85 MO MIN	******	******	PER- CENT		ONCE/ MONTH	CALCTD
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Exec Dir
H. J. Schardein Jr

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[signature]

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
502	540-6000	08	10	21

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

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved.
OMB No. 2040-0004

KY0102784	GU1 Y
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD: FROM YEAR 08 MO 07 DAY 01 TO YEAR 08 MO 07 DAY 30

MAJOR
(SUBR LV)
F - FINAL
QUARTERLY METALS/BIOMONITORING
EFFLUENT
*** NO DISCHARGE [ ] ***

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PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
HARDNESS, TOTAL (AS CACO3) 00900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	*******		*******	327	327	(19)	0	1/92	Comp
	PERMIT REQUIREMENT	*******	*******	**** ****	*******	REPORT MO AVG	REPORT DAILY MX	MG/L		ONCE/ MONTH	COMPOS
ZINC TOTAL RECOVERABLE 01094 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	*******		*******	0.0290	0.0290	(19)	0	1/92	Comp
	PERMIT REQUIREMENT	*******	*******	**** ****	*******	REPORT MO AVG	REPORT DAILY MX	MG/L		QTRLY	COMPOS
CADMIUM TOTAL RECOVERABLE 01113 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	*******		*******	<0.001	<0.001	(19)	0	1/92	Comp
	PERMIT REQUIREMENT	*******	*******	**** ****	*******	REPORT MO AVG	REPORT DAILY MX	MG/L		QTRLY	COMPOS
LEAD TOTAL RECOVERABLE 01114 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	*******		*******	<0.005	<0.005	(19)	0	1/92	Comp
	PERMIT REQUIREMENT	*******	*******	**** ****	*******	REPORT MO AVG	REPORT DAILY MX	MG/L		ONCE/ MONTH	COMPOS
COPPER TOTAL RECOVERABLE 01119 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	*******		*******	0.010	0.010	(19)	0	1/92	Comp
	PERMIT REQUIREMENT	*******	*******	**** ****	*******	REPORT MO AVG	REPORT DAILY MX	MG/L		QTRLY	COMPOS
TOXICITY, FINAL CONC TOXICITY UNITS 61406 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	*******		*******	*******	<1.0	(20)	0	1/92	Comp
	PERMIT REQUIREMENT	*******	*******	**** ****	*******	*******	1.00 DAILY MX	CHRONC TOXICTY		QTRLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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H.J. Schaudies Jr

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
502	510-6000	08	10	21

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

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: September 2008

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 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	1.736											398		2	399		3	1.646														441	0.83	0.06	3
2	1.571			7.5	8.3					7.1		472		2	267		3	1.62	7170	44	3.6	3640	2510	410								50.4	0.86	0.06	3
3	1.614			7.5	8.4					7.0		363		2	218		3	1.81	8120		3.6	3770	2630	420								50.4	0.79	0.50	3
4	1.568			7.5	8.3					7.1								1.77	6250	40	3.5	4010	2770	360					0.751			50.4	0.60		
5	1.103			7.5														1.85	5620	40	3.6	3540	2610	380								50.4			
6	1.251																	1.88																	
7	1.810											532		2	149		3	1.97															0.26	0.06	3
8	1.575			7.4	8.4					7.0		674		2	155		3	1.83	5490	41	4.6	3570	2520	400								31.5	0.33	0.50	3
9	1.806			7.4	8.4					7.0		544		2	195		3	1.88	6210	42	4.8	3580	2470	400								50.4	0.25	0.39	3
10	1.729			7.3	8.3					7.4								1.72	8490	44	5.2	3710	2540	400								44.1			
11	1.576			7.2														1.9	5200	49	5.6	3650	2550	400					1.05			44.1			
12	1.619			7.3														1.74	5770		5.4	3570	2520	400								93.7			
13	1.720			7.4														2.12																	
14	1.610											89		2	66		3	1.61															0.41	0.06	3
15	1.575			7.4	7.9					7.3		514		2	255		3	1.53	4620	40	4.7	4150	2900	350								6.3	0.37	0.06	3
16	1.490			7.4	8.4					8.0		519		2	250		3	1.61	6100	41	5.6	3680	2480	380								50.4	0.38	0.06	3
17	1.546			7.4	8.3					7.5								1.5	7330	44	5.2	3060	2130	380								69.3			
18	1.519			7.6														1.53	7580	37	3.6	3560	2410	370					1.04			56.7			
19	1.520			7.6														2.04	4830	42	4.6	3160	2140	370								25.2			
20	1.747																	1.76																	
21	1.786											417		2	175		3	1.9															0.35	1.90	3
22	1.517			7.9	8.3					7.1		432		2	277		3	1.7	6280	31	2.6	3470	2440	400								12.6	0.39	2.00	3
23	1.470			7.6	8.3					7.6		304		2	214		3	1.99	4760	32	1.9	3690	2540	430								31.5	0.32	0.06	3
24	1.456			7.4	8.3					7.2								1.78	7680	41	4.6	3440	2350	440								44.1			
25	1.471			7.4														1.89	6800	37	4.9	3750	2540	440					1.02			56.7			
26	1.422			7.4														1.62	7170	37	5.6	3610	2450	420								107.1			
27	1.567																	2.22														88.2			
28	1.600																	1.53																	
29	1.381			7.4														1.7	6850	48	5.7	3760	2550	460								44.1			
30	1.691			7.4														1.73	6090	44	5.8	3700	2480	440								37.8			
31																																			
Tot.	47.05																	53.38														1536			
Avg.	1.568			7.5	8.3					7.3		438		2	218		3	1.779	6400	40.74	4.51	3622	2501	402.4					0.965			66.8	0.47	0.47	3

RESIDENTIAL

COMMERCIAL

INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

14935	16797	27289		
FLOW	CBOD	TSS	OPERATOR	CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

PLANT TELEPHONE