



MSD

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

September 25, 2007

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

RE: Jeffersontown Treatment Plant, KPDES No: KY0025194
Discharge Monitoring Report
August 2007

Dear Ms. Thurman:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) report for the Jeffersontown Wastewater Treatment Plant, for the month of August 2007. There were two exceptions this month related to Total Phosphorus. This was caused by unusually high levels of influent Phosphorus. Increased chemical feed has corrected this problem. There were two exceptions for percent tss removal for the month. These excursions were a direct result of rain events on the 20th of .50 inches and of .80 inches on the 26th. If you have any questions concerning the attached DMR's, please contact me at (502) 239-7695.

Sincerely,

James E. Porter Jr.
Process Supervisor Central Region

JEP/Jeffersontown 0807.doc

Enclosures

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



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

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

NAME MSD JEFFERSONTOWN STP
ADDRESS 8405 CEDAR CREEK RD
LOUISVILLE KY 40291

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

KY0025194
PERMIT NUMBER

001 2
DISCHARGE NUMBER

MAJOR
(SUBR LV)
F - FINAL

JEFFE

FACILITY MSD JEFFERSONTOWN STP
LOCATION JEFFERSONTOWN KY 40299
ATTN: DEBBIE NEWTON

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	08	01		07	08	31

FLOW BOD TSS DO PH
EFFLUENT

*** NO DISCHARGE 1 [] ***

NOTE: Read Instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN, DISSOLVED (DO)		*****	*****		7.7	*****	*****	(19)		3/1	GRAB
00300 1 0 0 EFFLUENT GROSS VALUE		*****	*****	*****	7 INST MIN	*****	*****	MG/L		THREE/ WEEK	GRAB
PH		*****	*****		6.8	*****	7.6	(12)		3/1	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE		*****	*****	*****	6 MINIMUM	*****	9 MAXIMUM	SU		THREE/ WEEK	GRAB
SOLIDS, TOTAL SUSPENDED		*****	*****	(26)	*****	237	321	(19)		3/1	COMP
00530 8 0 0 RAW SEW/INFLUENT		*****	*****	*****	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		THREE/ WEEK	COMPOS
SOLIDS, TOTAL SUSPENDED		*****	*****	(26)	*****	13	18	(19)		3/1	COMP
00530 1 0 0 EFFLUENT GROSS VALUE		*****	*****	*****	*****	30 MO AVG	45 MX WK AV	MG/L		THREE/ WEEK	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)		*****	*****	(26)	*****	21.7	23.27	(19)		3/1	COMP
00610 8 0 0 RAW SEW/INFLUENT		*****	*****	*****	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		THREE/ WEEK	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)		*****	*****	(26)	*****	0.48	0.58	(19)		3/1	COMP
00610 1 1 0 EFFLUENT GROSS VALUE		*****	*****	*****	*****	4 MO AVG	5 MX WK AV	MG/L		THREE/ WEEK	COMPOS
PHOSPHORUS, TOTAL (AS P)		*****	*****	(26)	*****	1.33	1.57	(19)		3/1	COMP
00665 1 1 1 EFFLUENT GROSS VALUE		*****	*****	*****	*****	1.0 MO AVG	1.5 MX WK AV	MG/L	2	THREE/ WEEK	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
A.J. SCHROEDER JR
EXECUTIVE 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.

JAMES E. BOOTH JR.
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 502 546-6000
DATE 07 09 25
AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
USE MO AVG FOR BOD/TSS REMV; REPT IN MINIMUM COLUMN.

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

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

NAME MSD JEFFERSONTOWN STP
ADDRESS 6405 CEDAR CREEK RD
LOUISVILLE KY 40291

KY0025194
PERMIT NUMBER

001 2
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MAJOR (SUBR LV)
F - FINAL

JEFFE

FACILITY MSD JEFFERSONTOWN STP
LOCATION JEFFERSONTOWN KY 40299
ATTN: DEBBIE NEWTON

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	08	01		07	08	31

FLOW BOD TSS DO PH
EFFLUENT

*** NO DISCHARGE [] ***

NOTE: Read Instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	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 60050 1 0 0 EFFLUENT GROSS VALUE		2.94	8.33	(03)	*****	*****	*****			0	1/1	1/1
		REPORT	REPORT		*****	*****	*****	****			CONTINUOUS	CONTINUOUS
		MO AVG	MX WK AV	MGD				****				
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****	20	52.60	(13)		0	3/1	GRAB
		*****	*****	****	*****	200	400 #/				THREE/WEEK	GRAB
		*****	*****	****	*****	30DA GED	7 DA GED	100ML			WEEK	
BOD, CARBONACEOUS 5 DAY, 20C 80082 0 0 0 RAW SEW/INFLUENT		3781	3972	(26)	*****	162	191	(19)		0	3/1	COMB
		REPORT	REPORT		*****	REPORT	REPORT				THREE/WEEK	COMPOS
		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV	MG/L			WEEK	
BOD, CARBONACEOUS 5 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE		53	63	(26)	*****	2	3	(19)		0	3/1	COMB
		667	1001		*****	20	30				THREE/WEEK	COMPOS
		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV	MG/L			WEEK	
BOD, CARB-5 DAY, 20 DEG C, PERCENT REMOVL 80091 K 0 0 PERCENT REMOVAL		*****	*****		98.4	*****	*****	(25)		0	1/31	COMB
		*****	*****	****	85	*****	*****	PER-			ONCE/MONTH	CALCD
		*****	*****	****	MO AVG	*****	*****	CENT			MONTH	
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENT REMOVAL		*****	*****		79.4	*****	*****	(25)		2	1/31	COMB
		*****	*****	****	85	*****	*****	PER-			ONCE/MONTH	CALCD
		*****	*****	****	MO MIN	*****	*****	CENT			MONTH	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H. J. SCHANDORIN JR
EXECUTIVE 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.

Jama E. Port
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 502-546-6000
DATE 07 09 25
AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
USE MO AVG FOR BOD/TSS REMV: REPT IN MINIMUM COLUMN.

NAME OF TREATMENT PLANT JEFFERSONTOWN WTP
 KPDES PERMIT NUMBER KY0025194

COUNTY JEFFERSON
 PLANT CAPACITY 4.0 MGD

MONTH OF: August 2007
 RECEIVING STREAM CHENOWETH RUN

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	GAL/DAY X 1000	MLSS X 1000	MLVSS X 1000	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME		RAW		HAULED		TOTAL PHOS. (mg/L)	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)			
																							30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS				% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000	
1	2.62										334	5	152	2	1.54	3825	53	7.6	2.9	2	210	200									1.00	0.10	3	
2	2.99			7.2	7.4						175	4	236	2	1.61	5085	43	6.8	2.9	1.9	210	200									1.19	0.10	14	
3	2.40			7.1	7.3										1.44	4235	51	7.2	3	2	200	190												
4	2.86														1.57		52	7.1			200	200												
5	3.01										164	6	109	2	1.59		52	6.8			200	190									1.53	0.56	14	
6	2.56	3	3	7.1	7.3										1.31	5875	45	6.4	3	2.1	120	200												
7	2.81														1.77	2970	49	6.2	1.6	1.1	200	100												
8	2.66										468	5	240	2	1.76	3855	45	5.8	2.9	2	200	200									1.23	0.56	3	
9	2.23			7.1	7.4						208	5	203	2	1.55	4165	46	6.2	2.9	2	200	190									1.10	0.50	1	
10	2.50			7.3	7.5										1.45	3590	37	6.4	2.6	1.8	200	170												
11	2.48														1.64		38	7			210	190												
12	2.49										288	35	129	4	1.6		38				200	180									2.38	0.67	154	
13	2.20	3	3	7.0	7.2										1.5	3325	57	6.8	2.8	1.9	170	150												
14	2.45														1.43	4060	34	6.2	2.7	1.9	180	150												
15	2.56										462	13	216	2	1.15	3370	64	5.8	2.8	2	150	120									1.61	0.84	63	
16	3.35			7.0	7.2						98	19	132	2	1.08	3875	55	6.2	2.6	1.8	150	140									1.51	0.50	28	
17	2.91			7.0	7.2										1.07	3505	37	7	2.1	1.4	150	150												
18	2.70														1.05		37				170	170												
19	2.72										107	22	72	2	1.09		37				170	160									1.38	0.39	45	
20	2.89	3	3	6.8	7.1										1.07	4205	41	5.8	2.5	1.8	200	200												
21	8.33														2.29	4115	37	6.6	2.7	1.8	200	200												
22	3.54										193	14	160	2	1.29	3370	37	6.2	2.8	1.9	210	200									0.78	0.45	90	
23	2.76			6.8	6.8						161	19	186	3	1.44	3845	29	5.6	2.4	1.6	200	200									1.18	0.62	21	
24	2.67			6.7	7.4										1.38	3730	37	5.8	2.7	1.8	210	180												
25	3.51														1.38		37	5.6			215	180												
26	3.39										189	10	103	2	1.46		37				220	190									1.03	0.50	77	
27	2.74	3	3	6.8	7.6										1.64	4505	37	6.6	2	2	240	200												
28	2.78														1.46	3730	43	6.4	3.1	2	280	200												
29	3.07														1.47	3455	43	6.4	2.8	1.9	250	200												
30	2.72														1.53	4390	37	6.6	2.5	2.1	200	200												
31	2.52														1.42	4295	37	6.2	3.2	2.1	200	190												
Tot.	91.12	12	12												45.03																			
Avg.	2.94	3	3	7.0	7.3						8.0	237	13	162	2	1.453	3973	42.65	6.419	2.674	1.865	197.3	180.3								1.33	0.48	20	

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
27994 FLOW
23289 CBOD
27695 TSS

OPERATOR _____

CERT. NO. _____

TOTAL NUMBER OF SEWER CONNECTIONS 0
 SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

PLANT TELEPHONE _____