



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

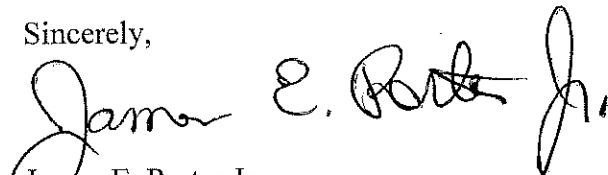
Ms. Kathy Thurman
Kentucky Division of Water
14 Reilly Road
Frankfort, Kentucky 40601

RE: Cedar Creek Treatment Plant, KPDES No: KY0098540
Discharge Monitoring Report
August 2007

Dear Ms. Thurman:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) report for the Cedar Creek Wastewater Treatment Plant, for the month of August 2007. There was one exception this month for Total Phosphorus. This was a result of high influent Phosphorus levels entering the plant. Chemical addition and reduced levels of influent Total Phosphorus have corrected the problem. 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/Cedar Creek 0807.doc

Enclosures

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



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

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

NAME MSD CEDAR CREEK STP
ADDRESS B405 CEDAR CREEK RD
LOUISVILLE KY 40291

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

KY0098540
PERMIT NUMBER

001 2
DISCHARGE NUMBER

MAJOR
(SUBR LV)
F - FINAL

JEFFE

FACILITY MSD CEDAR CREEK STP
LOCATION LOUISVILLE KY
ATTN: DEBBIE NEWTON

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

NEW EXPANSION
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			
OXYGEN, DISSOLVED (DO) 00300 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		8.0	*****	*****	(19)	0	3/7	GRAB
	PERMIT REQUIREMENT	*****	*****	****	7.0	*****	*****				
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		7.0	*****	7.5	(12)	0	3/7	GRAB
	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0				
SOLIDS, TOTAL SUSPENDED 00530 6 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	3870.29	6478.54	(25)	*****	159	171	(19)	0	3/7	COMB
	PERMIT REQUIREMENT	REPORT	REPORT		*****	REPORT	REPORT				
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	24.37	39.92	(25)	*****	1	1	(19)	0	3/7	COMB
	PERMIT REQUIREMENT	1876	2815		*****	30	45				
NITROGEN, AMMONIA TOTAL (AS N) 00610 6 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	576.05	931.63	(25)	*****	24.1	27.3	(19)	0	3/7	COMB
	PERMIT REQUIREMENT	REPORT	REPORT		*****	REPORT	REPORT				
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	3.76	5.44	(25)	*****	0.17	0.29	(19)	0	3/7	COMB
	PERMIT REQUIREMENT	250	375		*****	4	8				
PHOSPHORUS, TOTAL (AS P) 00665 1 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	25.53	44.9	(25)	*****	0.94	2.01	(19)	1	3/7	COMB
	PERMIT REQUIREMENT	63	94		*****	1.0	1.5				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H. 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. Burk Jr.
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 502-540-6000
DATE 07 9 24
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)

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

KY0098540
PERMIT NUMBER

001 2
DISCHARGE NUMBER

MAJOR (SUBR LV)
F - FINAL

JEFFE

FACILITY MSD CEDAR CREEK STP
LOCATION LOUISVILLE KY
ATTN: DEBBIE NEWTON

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	05	01		07	05	31

NEW EXPANSION
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 80050 1 0 0 EFFLUENT GROSS VALUE		2.52	7.19	(G3)	*****	*****	*****				e/w e/w
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE		*****	*****	*****	*****	5	8	(13)			3/1 comp
BOD, CARBONACEOUS 5 DAY, 20C 80082 0 0 0 RAW SEW/INFLUENT		2522.74	4357.71	(26)	*****	102	113	(19)			3/1 comp
BOD, CARBONACEOUS 5 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE		48.13	79.84	(26)	*****	2	2	(19)			3/1 comp
BOD, CARB-5 DAY, 20 DEG C, PERCENT REMVL 80091 K 0 0 PERCENT REMOVAL		*****	*****	*****	*****	97.4	85	(23)			1/2 comp
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENT REMOVAL		*****	*****	*****	*****	99.2	85	(23)			1/2 comp
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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H.J. SCHROEDER JR
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James E. Porter
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 502-540-6000
DATE 07 09 24
AREA CODE NUMBER YEAR MO DAY

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

NAME OF TREATMENT PLANT CEDAR CREEK WTP

COUNTY JEFFERSON

MONTH OF: August 2007

KPDES PERMIT NUMBER KY0098540

PLANT CAPACITY 7.5 MGD

RECEIVING STREAM CEDAR CREEK

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		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	3.18										166	1	116			2	1998	4960	500	2.6	2510	2090	410	300							0.10	3	
2	3.10			7.4	7.2			8.2			121	1	77			2	1954	3830	460	2.4	2580	2070	400	300							0.28	5	
3	2.13			7.3	7.3			8.4									2114	4160	460	2.2	2500	2040	400	310									
4	2.21																1948		500				390	300									
5	1.54	3	3								164	1	88			2	2154		480				390	300							0.50	3	
6	1.30			7.4	7.2			8.8									2091	4990	500	2.6	2885	2450	390	300									
7	1.06																2000	4760	555	2.2	2735	2365	390	3140									
8	1.64										172	1	136			2	2093	3700	500	2	2400	2040	350	300							0.17	7	
9	1.10			7.4	7.0			8.0			150	1	80			2	2078		490	2.4	2550	2110	370	310							0.10	1	
10	0.08			7.3	7.3			8.2									2137	3330	490	2.6	2720	2195	440	310									
11	2.74																2091		450				420	310							0.10	21	
12	2.37										192	1	123			2	2020		450				420	300									
13	1.20	3	3	7.3	7.4			8.2									1748	3890	500	2.4	2820	2335	460	310									
14	3.08																1912	4210	520	2.8	2700	2285	450	310									
15	4.54										159	1	118			2	2082	3960	430	3	2850	2360	410	310							0.10	3	
16	7.19			7.3	7.4			8.0			163	1	104			2	2045	4160	550	3.2	2690	2260	410	300							0.10	10	
17	2.17			7.3	7.5			8.2									2112	4340	470	2.8	2705	2260	390	300									
18	2.55																2073		470				390	310									
19	2.63										166	1	108			2	1990		610				380	310							0.10	20	
20	3.45	3	3	7.4	7.4			8.2									1969	4020	500	300	3165	2525	450	320									
21	4.08																1821	3860	500	2.8	2890	2390	430	320									
22	2.37										137	1	91			2	1889		500	2.6	2880	2310	440	320							0.10	3	
23	2.56			7.2	7.4			8.0			148	1	77			2	2034	4060	500	2.8	2805	2170	400	300							0.34	1	
24	2.48			7.4	7.3			8.4									1830	3990	500	3.2	2750	2140	400	300									
25	2.57																1976		500				390	300									
26	2.84										168	1	107			2	1966		500				380	300							0.10	10	
27	2.46	3	3	7.3	7.4			8.4									2001	4690	440	3.2	2775	2190	320	300									
28	2.06																2002	4840	460	3.4	2660	2110	320	300									
29	2.11																2087	4150	461	3.4	2960	2390	310	290									
30	2.50																2091	4960	580	3	2890	2340	320	280									
31	2.15																1589	4360	475	3.2	2415	2005	330	290									
Tot.	77.44	12	12														61895															0.17	5
Avg.	2.50	3	3	7.3	7.3			8.3			159	1	102			2	1997	4249	493.6	15.69	2732	2236	391.9	395.2									

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
23790 FLOW
12510 CBOD
15757 TSS

OPERATOR

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

PLANT TELEPHONE