

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: Hite Creek Wastewater Treatment Plant, KPDES No: KY0022420
Discharge Monitoring Report for May 2007

Dear Ms. Thurman:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) report for the Hite Creek 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.

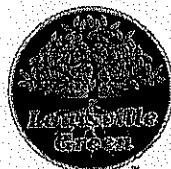
Sincerely,

John Kessel
Process Supervisor, East Region

JMK/ Hite Creek. 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)

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

MAJOR
(SUBR LV)
F - FINAL
MUNICIPAL WASTEWATER
EFFLUENT

NAME: 1007 WHITE CREEK STP
ADDRESS: 670 LOUISVILLE/JEFF CO MSD
45027 ALGONQUIN PARK
LOUISVILLE KY 40211-2497
FACILITY: 150 WHITE CREEK STP
LOCATION: LOUISVILLE KY 40201
ATTN: ALEX E NOVAK, OPER MGR

KY0022420
PERMIT NUMBER

001 2
DISCHARGE NUMBER

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

*** NO DISCHARGE ***

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			
DISSOLVED (DD)		*****	*****		7.7	*****	*****	(19)	0	3/7	Grab
EFFLUENT GROSS VALUE		*****	*****	***	INST MIN	*****	*****	MG/L			
		*****	*****		7.2	*****	8.0	(12)	0	3/7	Grab
EFFLUENT GROSS VALUE		*****	*****	***	MINIMUM	*****	MAXIMUM	EU			
SOLUBLE TOTAL SUSPENDED		7350	7906	(26)	*****	246.0	286.33	(17)	0	3/7	Comp
RAW SEW/INFLUENT		REPORT	REPORT		*****	REPORT	REPORT	MG/L			
SOLUBLE TOTAL SUSPENDED		204	313	(26)	*****	6.83	10.0	(17)	0	3/7	Comp
EFFLUENT GROSS VALUE		1100	1650		*****	NO AVG	MX WK AV	MG/L			
NITROGEN AMMONIA TOTAL (AS N)		582	598	(26)	*****	19.57	21.30	(17)	0	3/7	Comp
RAW SEW/INFLUENT		REPORT	REPORT		*****	REPORT	REPORT	MG/L			
NITROGEN AMMONIA TOTAL (AS N)		3	3	(26)	*****	0.10	0.10	(17)	0	3/7	Comp
EFFLUENT GROSS VALUE		147	220		*****	NO AVG	MX WK AV	MG/L			
FLOW IN CONDUIT OR THRU TREATMENT PLANT		3.423	4.120	(03)	*****	*****	*****		0	4/2	C/N
EFFLUENT GROSS VALUE		REPORT	REPORT		*****	*****	*****	***			
		NO AVG	DAILY MX	MGD	*****	*****	*****	****			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Exec. Director
H.J. Schudein
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: 502 241-9093
DATE: 07 06 25
AREA CODE: NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
USE NO AVG FOR BOD/SS REMV; REPT IN MINIMUM COLUMN.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
 NAME: 1150 WHITE CREEK BTP
 ADDRESS: 170 LOUISVILLE/JEFF CO MSD
 2522 FLOQUIN PKWY
 LOUISVILLE KY 40211-2497
 FACILITY: 1150 WHITE CREEK BTP
 LOCATION: LOUISVILLE KY 40201
 STAFF: ALEX E NOVAK, OPER MGR

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

KY0002420
 001 2
 PERMIT NUMBER DISCHARGE NUMBER

MAJOR
 (SUBR LV)
 F - FINAL
 MUNICIPAL WASTEWATER
 EFFLUENT

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

FROM

TO

*** NO DISCHARGE I [] ***

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
COLIFORM, FECAL GENERAL		*****	*****		*****	4	11	(13)	0	3/7	Grab
EFFLUENT GROSS VALUE		*****	*****	****	*****	200	400	100ML			
500, CARBONACEOUS 05 DAY, BOD		5703	7252	(26)	*****	191.33	237.33	(19)	0	3/7	Comp
RAW SEW/INFLUENT		REPORT	REPORT	LBS/DY	*****	REPORT	REPORT	MG/L			
500, CARBONACEOUS 05 DAY, BOD		94	132	(26)	*****	3.17	4.33	(19)	0	3/7	Comp
EFFLUENT GROSS VALUE		367	550	LBS/DY	*****	10	15	MG/L			
500, CARBONACEOUS 05 DAY, BOD		*****	*****		98.3%	*****	*****	(23)	0	1/31	Cal
PERCENT REMOVAL		*****	*****	****	BB	*****	*****	PERCENT			
500, SUSPENDED SOLIDS		*****	*****	****	97.2%	*****	*****	(23)	0	1/31	Cal
PERCENT REMOVAL		*****	*****	****	BB	*****	*****	PERCENT			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Exec Director
 H.J. Schadein
 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: 502 241-9093
 DATE: 07 06 25
 AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 USE MD-AVG FOR BOD/55 REMV REPT IN MINIMUM COLUMN.

NAME OF TREATMENT PLANT HITE CREEK WTP

COUNTY JEFFERSON

MONTH OF: May 2007

KPDES PERMIT NUMBER KY0022420

PLANT CAPACITY 4.4 MGD

RECEIVING STREAM HITE 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	30 MIN.	90 MIN.	GALLONS x 1000	RAW			HAULED			NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)	
																		GAL /DAY X 1000	MLSS x 1000								% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS x 1000				
1	3.51	36	36	7.6		14.0					262		4	213		3	2100	14.06	52.6	4.9	5.08		220										81.9	0.1	3
2	3.47			7.6	7.7	13.0		8.7			230		4	259		6	2120	15	65.7	3.8	5.59	3.645	250							1.47	73	63	0.1	3	
3	4.01			8.2	7.5	14.0		8.4			233		5	240		4	1800	15.36	62.5	3.5	5.185		230									88.2	0.1	3	
4	4.1	36	36	8.4	7.4	11.0		8.3									1720	16.6	78.8	3.7	5.7		260									94.5			
5	4.12			8.1		13.0											1670	15.23	59.2	7.7	6.255		320									81.9			
6	3.79			7.7		13.0											1560	14.84	59.2	7.2	6.515		380									25.2			
7	3.71			7.7		13.0											1730	15.46	65.7	4.5	4.725		250									50.4			
8	3.55	36	36	7.5		15.0					276		5	198		2	1780	7.32	42.7	5	4.095	3.045	200						1.64	65	63	0.1	3		
9	3.67			7.6	7.4	13.0		8.3			229		6	166		3	1760	13.82	52.6	4.4	4.995		270									69.3	0.1	3	
10	3.85			8.3	7.2	10.0		7.8			264		5	121		2	2540	11.88	65.7	4.4	4.445		250									69.3	0.1	3	
11	3.42	36	36	7.5	7.6	15.0		8.2									2730	9.08	65.7	4.1	3.905		200									94.5			
12	3.53			7.5		13.0											2600	8.73	55.9	4.5	3.36		160									106.5			
13	3.09			7.1		14.0											1760	7.14	59.2	5.1	3.84		180									50.4			
14	3.3	36	36	8.7		13.0											2590	9.82	65.7	4.8	3.605		180									31.5			
15	3.78			7.5		14.0					288		9	132		2	2670	8.46	59.2	4	3.27	2.41	150						1.14	66	77	0.1	20		
16	3.91			7.6	8.0	13.5		8.4			215		8	176		4	2270	7.48	65.7	4.7	3.36		150									87.3	0.1	10	
17	3.63			8.3	7.7	14.0		7.8			252		13	194		2	1790	10.4	85.4	4.7	3.66		200									73.8	0.1	6	
18	3.5	36	36	9.3	7.8	13.0		8.1									2170	7.9	85.4	3.7	3.255		150									93.6			
19	3.18			8.0		14.0											2090	7.88	59.2	5.3	3.28		150									93.6			
20	3.43			7.4		18.0											2160	7.84	59.2	6.6	3.335		150									55.8			
21	3.28			8.8		16.0											1790	9.14	85.4	5.1	3.36		150									81			
22	3.35	36	36	8.5		14.0					197		8	178		2	2080	8.95	85.4	3.5	3.82	2.635	180						0.71	64	99.9	0.1	3		
23	3.25			8.1	7.7	16.0		7.8			280		11	252		3	2010	10.41	95.3	3.4	3.475		150									87.3	0.1	3	
24	3.21			8.9	7.9	15.0		7.7			226		4	167		5	2070	9.27	85.4	3.7	3.465		150									75.6	0.1	3	
25	2.84	36	36	8.8	7.7	14.0		8.0									2050	6.06	65.7	3.7	3.075		150									107.1			
26	2.96			8.8		13.0											2010	6.75	59.2	4.2	3.56		150									100.8			
27	2.44			8.5		13.0											1960	6.29	52.6	4.9	3.545		170									50.4			
28	3.09			8.6		15.0											2140	4.7	59.2	4.8	3.53		170									107.1			
29	3.06	36	36	8.8		15.0											2000	9.73	78.8	4.3	3.75		200									88.2			
30	3.15			7.4		16.0											2020	10.57	85.4	3.9	3.805		200									94.5			
31	3.13			7.5		17.0											1820	8.38	88.7		3.9		200									113.4			
Tot.	106.1	324	324														63560															2456			
Avg.	3.423	36	36	8.1	7.6	14.0		8.1			246		7	191		3	2050	10.15	67.95	4.803	4.088	2.934	199						1.24	67	79.23	0.10	4		

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

32599

32129

33441

FLOW

CBOD

TSS

EARL DUNN

7626

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS

0

X

4

=

0

SEWERED POPULATION

502-241-9310