



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

December 16, 2010

Ms. Carolena Bentley
DMR Coordinator
200 Fair Oaks Lane
Frankfort, Kentucky 40601

RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for November 2010.

Dear Ms. Bentley

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Hite Creek WQTC, for the month of November 2010.

There were no exceedences, bypass reports or overflow report for this month.

If you have any questions concerning the attached DMR's, please contact me at (502)587-5856.

Sincerely,

A handwritten signature in cursive script that reads "Richard Mills".

Richard Mills
Process Supervisor, East Region

RWM/ Hite Creek.1110

Enclosures

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



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

DISCHARGE MONITORING REPORT (DMR)

NAME HITE CREEK WQTC MSD
ADDRESS C/O CEDAR CREEK WQTC
 8405 CEDAR CREEK RD.
 LOUISVILLE KY 40211
FACILITY HITE CREEK WQTC

KY0022420
 PERMIT NUMBER

0012
 DISCHARGE NUMBER

MAJOR (SUBR LV)
 F - FINAL JEFFE
 MUNICIPAL WASTEWATER
 EFFLUENT
 [] No Discharge

LOCATION LOUISVILLE KY 40241
ATTN: DENNIS THOMASSON SR. METRO OPS

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
10	11	01		10	11	30

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)	SAMPLE MEASUREMENT	*****	*****	***	8	*****	*****	(19) MG/L	0	1/1	GR	
00300 1 0 0	PERMIT MEASUREMENT	*****	*****	***	7	*****	*****	(19) MG/L		THREE/WEEK	GRAB	
EFFLUENT GROSS VALUE	MEASUREMENT	*****	*****	***	INST MIN	*****	*****	MG/L				
PH	SAMPLE MEASUREMENT	*****	*****	***	7.2	*****	7.7	(12) SU	0	1/1	GR	
00400 1 0 0	PERMIT MEASUREMENT	*****	*****	***	6.0	*****	9.0	(12) SU		THREE/WEEK	GRAB	
EFFLUENT GROSS VALUE	MEASUREMENT	*****	*****	***	MINIMUM	*****	MAXIMUM	SU				
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	5272	5838	(26) LBS/DY	*****	244	260	(19) MG/L	0	3/7	CP	
00530 G 0 0	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(26) LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
RAW SEW/INFLUENT	MEASUREMENT	71	88	(26) LBS/DY	*****	3	3	(19) MG/L	0	3/7	CP	
00530 1 0 0	PERMIT MEASUREMENT	1501 MO AVG	2252 MX WK AV	(26) LBS/DY	*****	30 MO AVG	45 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
EFFLUENT GROSS VALUE	MEASUREMENT	483	494	(26) LBS/DY	*****	22	24	(19) MG/L	0	3/7	CP	
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	483	494	(26) LBS/DY	*****	22	24	(19) MG/L		THREE/WEEK	COMPOS	
00610 G 0 0	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(26) LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
RAW SEW/INFLUENT	MEASUREMENT	15	21	(26) LBS/DY	*****	0.7	1.1	(19) MG/L	0	3/7	CP	
00610 1 2 0	PERMIT MEASUREMENT	250 MO AVG	375 MX WK AV	(26) LBS/DY	*****	5 MO AVG	7.5 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
EFFLUENT GROSS VALUE	MEASUREMENT	NO DATA	NO DATA	****	*****	0.8	1.0	(19) MG/L	0	THREE/	CP	
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	NO DATA	NO DATA	****	*****	0.8	1.0	(19) MG/L		THREE/	COMPOS	
00665 1 2 1	PERMIT MEASUREMENT	*****	*****	****	*****	2.0 MO AVG	3.0 MX WK AV	(19) MG/L		THREE/	COMPOS	
EFFLUENT GROSS VALUE	MEASUREMENT	*****	*****	****	*****	2.0 MO AVG	3.0 MX WK AV	(19) MG/L		THREE/	COMPOS	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT, SEE 18 U.S.C. 1001 AND 33 U.S.C. 1316. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.							TELEPHONE		DATE		
H J SCHARDEIN EXECUTIVE DIRECTOR	<i>Richard Miller</i>							502	540-6000	10	12	16
TYPED OR PRINTED								SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO

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

NAME HITE CREEK WQTC MSD
ADDRESS C/O CEDAR CREEK WQTC
8405 CEDAR CREEK RD.
LOUISVILLE KY 40211
FACILITY HITE CREEK WQTC

KY0022420
PERMIT NUMBER

001 2
DISCHARGE NUMBER

MAJOR (SUBR LV)
F - FINAL JEFFE
MUNICIPAL WASTEWATER
EFFLUENT
[] No Discharge

LOCATION LOUISVILLE KY 40241
ATTN: DENNIS THOMASSON SR. METRO OPS

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
10	11	01		10	11	30

NOTE: Read instructions before completing this form

PARAMETER	MEASUREMENT	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	3.02	7.22	(03) MGD	*****	*****	*****	***	0	CN	CN
50050 1 0 0	PERMIT MEASUREMENT	REPORT MO AVG	REPORT DAILY MX	(03) MGD	*****	*****	*****	***		CONTINUOUS	CONTINUOUS
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	6	13	(13) 100ML	0	3/7	GR
COLIFORM, FECAL GENERAL	PERMIT MEASUREMENT	*****	*****	***	*****	200 30DA GEO	400 7 DA GEO	(13) 100ML		THREE/WEEK	GRAB
74055 1 0 0	SAMPLE MEASUREMENT	3465	3774	(26) LBS/DY	*****	161	190	(19) MG/L	0	3/7	CP
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(26) LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	(19) MG/L		THREE/WEEK	COMPOS
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	49	69	(26) LBS/DY	*****	2	3	(19) MG/L	0	3/7	CP
80082 G 0 0	PERMIT MEASUREMENT	367 MO AVG	550 MX WK AV	(26) LBS/DY	*****	10 MO AVG	15 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS
RAW SEW/INFLUENT	SAMPLE MEASUREMENT	*****	*****	***	99	*****	*****	(23) CENT	0	1/30	CA
BOD, CARBONACEOUS 05 DAY, 20C	PERMIT MEASUREMENT	*****	*****	***	85 MO AVG	*****	*****	(23) CENT		ONCE/MONTH	CALCTD
80082 1 0 0	SAMPLE MEASUREMENT	*****	*****	***	99	*****	*****	(23) CENT	0	1/30	CA
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD
BOD, CARB 5-DAY, 20 DEG C, PERCENT REMVL	SAMPLE MEASUREMENT										
80091 K 0 0	PERMIT MEASUREMENT										
PERCENTREMOVAL	SAMPLE MEASUREMENT										
81011 K 0 0	PERMIT MEASUREMENT										
SOLIDS, SUSPENDED PERCENT REMOVAL	SAMPLE MEASUREMENT										
PERCENTREMOVAL	PERMIT MEASUREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. 1001 AND 33 U.S.C. 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.				TELEPHONE		DATE			
H J SCHARDEIN EXECUTIVE DIRECTOR						502 540-6000		10	12	16	
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE		NUMBER			
		Richard Mills									

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

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MAJOR (SUBR LV)
F - FINAL JEFFE
REASONABLE POTENTIAL
EFFLUENT
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10	11	01		10	11	30

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PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
CYANIDE, FREE (AMEN. TO CHLORINATION) 00722 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	0.005	0.005	(19) MG/L	0	2/30	CP	
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		ONCE/MONTH	COMPOS	
HARDNESS, TOTAL (AS CaCO3) 00900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	184	184	(19) MG/L	0	2/30	CP	
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		ONCE/MONTH	COMPOS	
CHROMIUM, HEXAVALENT (AS CR) 01032 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	<0.01	<0.01	(19) MG/L	0	3/30	CP	
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		ONCE/MONTH	COMPOS	
CADMIUM TOTAL RECOVERABLE 01113 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	<0.2	<0.2	(19) MG/L	0	1/30	CP	
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		ONCE/MONTH	COMPOS	
	SAMPLE MEASUREMENT											
	PERMIT MEASUREMENT											
	SAMPLE MEASUREMENT											
	PERMIT MEASUREMENT											
	SAMPLE MEASUREMENT											
	PERMIT MEASUREMENT											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. 1001 AND 33 U.S.C. 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.							TELEPHONE		DATE		
H J SCHARDEIN EXECUTIVE DIRECTOR	<i>Richard Mills</i>							502	540-6000	10	12	16
TYPED OR PRINTED								AREA CODE	NUMBER	YEAR	MO	DAY

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

NAME OF TREATMENT PLANT HITE CREEK WTP COUNTY JEFFERSON MONTH OF: November 2010
 KPDES PERMIT NUMBER KY0022420 PLANT CAPACITY 4.4 MGD RECEIVING STREAM HITE CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH		SETTLABLE 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			INSET	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME	60 MIN.		GALLONS X 1000		% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	NUTRIENTS GALLONS X 1000	NH3-N (mg/L)	FECAL COLIFORM (COFC-FE1000)	Phosphorus mg/L	Cadmium, Total Recoverable	Hardness as CaCO3	Chromium, Hexavalent	Cyanide, Free (Amenable)	Mercury, Total Recoverable
																		GAL/DAY X 1000	MLSS X 1000	MLVSS X 1000						90 MIN.	60 MIN.	RAW	HAULED												
1	2.34			7.2	7.4	13.0		0.0	8.8		259	3	186		2	1.79	9.14	59.2	5.3	4.645	3.235	210									47.2	0.055	4	1.03	0.2	186	0.01	0.005			
2	2.25	36	36	7.2	7.3	14.0		0.0	8.2		270	2	260		2	1.88	12.97	46	5.2	4.415	3.04	200						0.7	59	37.2	0.055	36	1.05								
3	2.5			8.0	7.3	14.0		0.0	8.0		212	2	145		2	1.68	12.12	52.6	5.6	4.6		230								35.7	0.055	14									
4	2.43			8.2	7.3	13.0		0.0	8.0							1.87	17.3	39.4	4.5	4.415	3.055	210								33											
5	2.24	36	36	7.2	7.4	15.0		0.0	9.1							1.82	7.86	78.8	5.6	4.175	2.915	230								58.2											
6	2.08			7.5	7.2	13.0		0.0	9.3							2.14	14.59	46	6	4.365	3.05	230								49.5											
7	2.11			7.9	7.4	10.0		0.0	9.1							2.04	9.05	65.7	4.3	4.4	3.11	240								50.4											
8	2.3			7.2	7.4	13.0		0.0	9.3		268	2	206		2	2.08	10.6	65.7	6	4.415	3.145	230						1.37	71	80.5	0.78	4	0.889		181	0.01	0.005				
9	2.29	36	36	7.2	7.3	15.0		0.0	8.1		259	2	174		2	2	14.44	52.8	5.2	4.395	3.13	280								75.3	0.95	4	0.94			0.01	0.005				
10	2.34			7.9	7.2	15.0		0.0	7.8		214	6	113		2	1.8	10.1	78.8	5.4	3.6	2.575	210							72.4	1.6	4										
11	2.62			7.1	7.2	13.0		0.0	7.9							2.08	11.59	85.4	5.4	4.53	3.22	250								68.7											
12	1.99	36	36	7.5	7.3	18.0		0.0	8.8							2.16	10.2	98.6	6.3	4.22	2.99	280								93.9											
13	2.22			7.2	7.7	16.0		0.0	9.1							2.13	9.28	65.7	6.7	3.92	2.77	350								63											
14	2.12			7.2	7.4	25.0		0.0	9.0							1.85	8.85	65.7	6.7	4.565	3.3	330								60.6											
15	2			7.2	7.7	25.0		0.0	8.7		405	2	218		2	1.8	10.45	78.8	5.3	4.215	2.91	270								60.6	0.055	3									
16	3.28	36	36	7.2	7.4	10.0		0.0	8.1		177	5	94		2	2.14	12.45	85.4	5.7	4.23	2.96	240								88.2	0.055	4	0.546								
17	3.82			7.8	7.2	10.0		0.0	8.2		197	3	114		2	2.13	12.76	85.4	6.5	3.91	2.785	240								88.2	1.7	12									
18	2.96			8.3	7.4	13.0		0.0	8.2							1.97	7.28	105.1	5.7	2.88	2.085	200					1.02	64	80.8												
19	2.69	36	36	7.4	7.6	11.0		0.0	9.2							2.23	8.68	105.1	6.1	3.085	2.235	200								87.6											
20	2.34			7.4	7.4	12.0		0.0	9.1							1.67	7.96	65.7	5.9	2.9	2.2	220								75.3											
21	2.37			7.2	7.4	11.0		0.0	9.0							1.81	7.52	65.7	5.4	3.41		200								61.4											
22	2.64			8.4	7.4	13.0		0.0	8.9		240	2	132		2	1.95	9.9	98.6	4.5	3.24	2.35	200								85	1.1	4									
23	3.15	36	36	8.3	7.4	13.0		0.0	8.9		240	4	180		4	2.08	9.68	105.1	5	3.025	2.185	180					0.98	85	75.6	1.1	10	0.581									
24	3.45			7.2	7.4	13.0		0.0	8.2		184	4	127		2	1.96	9.55	111.7	5	3.505	2.525	210								74	0.055	4									
25	6.25			7.1	7.3	5.0		0.0	8.0							1.82	9.48	111.7	4.6	3.445		200																			
26	6.17	36	36	7.1	7.5	7.0		0.0	9.6							2	13.08	7.8	8	2.555	1.92	180								74											
27	4.1			7.1	7.2	10.0		0.0	9.6							2.08	7.96	85.4	6.9	2.495		170								74											
28	3.28			7.6	7.4	12.0		0.0	10.6							2.07	8.51	78.8	7.4	2.155	1.685	150								75.6											
29	3.35			8.0	7.3	13.0		0.0	9.6							2.07	8.87	105.1	3.9	2.385	1.85	150								99.8											
30	7.22	36	36	7.7	7.2	13.0		0.0	10.0							1.79	10.78	46	4.7	2.305	1.775	150								100											
Tot	90.68	324	324													58.89														2026											
Avg.	3.02	36	36	7.5	7.4	13.3			8.8		244	3	161		2	1.963	10.36	74.72	5.627	3.68	2.654	219.3							1.013	64.75	69.84	0.63	6	0.84	0.20	184	0.01	0.01			

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
28762 FLOW
23816 CBOD
29235 TSS

Earl Dunn OPERATOR
7628 CERT. NO.

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

502-241-9310
PLANT TELEPHONE