MSD
Metropolitan Sewer District

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

August 25, 2010

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

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

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

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

Sincerely,

Richard Mills

Richard Mills
Process Supervisor, East Region

DJR/ Hite Creek.0710

Enclosures

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

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

NAME HITE CREEK WQTC MSD
ADDRESS C/O CEDAR CREEK WQTC
8405 CEDAR CREEK RD.
LOUISVILLE KY 40211
FACILITY HITE CREEK WQTC
LOCATION LOUISVILLE KY 40241
ATTN: DENNIS THOMASSON SR. METRO OPS

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDES)
DISCHARGE MONITORING REPORT (DMR)

KY0022420 — PERMIT NUMBER
001 2 — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	10	07	01	TO	10	07	31

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

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) 00300 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	*** ***	7	******	******	(19) MG/L	0	1/1	GR
	PERMIT MEASUREMENT	******	******	*** ***	7 INST MIN	******	******	(19) MG/L		THREE/ WEEK	GRAB
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	*** ***	7.0	******	7.9	(12) SU	0	1/1	GR
	PERMIT MEASUREMENT	******	******	*** ***	6.0 MINIMUM	******	9.0 MAXIMUM	(12) SU		THREE/ WEEK	GRAB
SOLIDS, TOTAL SUSPENDED 00530 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	5407	6674	(26) LBS/DY	******	206	237	(19) MG/L	0	3/7	CP
	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
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	60	97	(26) LBS/DY	******	2	3	(19) MG/L	0	3/7	CP
	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
NITROGEN, AMMONIA TOTAL (AS N) 00610 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	458	518	(26) LBS/DY	******	18	20	(19) MG/L	0	3/7	CP
	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
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	12	21	(26) LBS/DY	******	0.4	0.5	(19) MG/L	0	3/7	CP
	PERMIT MEASUREMENT	100 MO AVG	150 MX WK AV	(26) LBS/DY	******	2 MO AVG	3 MX WK AV	(19) MG/L		THREE/ WEEK	COMPOS
PHOSPHORUS, TOTAL (AS P) 00665 1 1 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	NO DATA	NO DATA	**** ****	******	0.1	0.3	(19) MG/L	0	3/7	CP
	PERMIT MEASUREMENT	******	******	**** ****	******	1.0 MO AVG	1.5 MX WK AV	(19) MG/L		THREE/ WEEK	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H J SCHARDEIN
EXECUTIVE DIRECTOR
TYPED OR PRINTED

I CERTIFY UNDER PENALTY FO LAW THAT I HAVE PERSONALLY EXAMINED AMD AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FRO 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.

Richard Mills
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 502 — NUMBER 540-6000

DATE: YEAR 10 — MO 08 — DAY 25

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

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

NAME HITE CREEK WQTC MSD
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8405 CEDAR CREEK RD.
LOUISVILLE KY 40211
FACILITY HITE CREEK WQTC

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

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDES)
DISCHARGE MONITORING REPORT (DMR)

KY0022420 — PERMIT NUMBER
001 2 — DISCHARGE NUMBER

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

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	10	07	01	TO	10	07	31

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FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	3.31	5.87	(03) MGD	******	******	******	*** ***	0	CN	CN
	PERMIT MEASUREMENT	REPORT MO AVG	REPORT DAILY MX	(03) MGD	******	******	******	*** ***		CONTIN UOUS	CONTIN
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	*** ***	******	4	4	(13) 100ML	0	3/7	GR
	PERMIT MEASUREMENT	******	******	*** ***	******	200 30DA GEO	400 7 DA GEO	(13) 100ML		THREE/ WEEK	GRAB
BOD, CARBONACEOUS 05 DAY, 20C 80082 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	4503	5280	(26) LBS/DY	******	172	211	(19) MG/L	0	3/7	CP
	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 80082 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	53	71	(26) LBS/DY	******	2	2	(19) MG/L	0	3/7	CP
	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
BOD, CARB 5-DAY, 20 DEG C, PERCENT REMVL 80091 K 0 0 PERCENTREMOVAL	SAMPLE MEASUREMENT	******	******	*** ***	99	******	******	(23) CENT	0	1/31	CA
	PERMIT MEASUREMENT	******	******	*** ***	85 MO AVG	******	******	(23) CENT		ONCE/ MONTH	CALCTD
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENTREMOVAL	SAMPLE MEASUREMENT	******	******	*** ***	99	******	******	(23) CENT	0	1/31	CA
	PERMIT MEASUREMENT	******	******	*** ***	85 MO MIN	******	******	(23) CENT		ONCE/ MONTH	CALCTD
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										

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EXECUTIVE DIRECTOR
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Richard Mills
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 502 — NUMBER 540-6000

DATE: YEAR 10 — MO 08 — DAY 25

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

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KY0022420 — PERMIT NUMBER
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MAJOR
(SUBR LV)
F - FINAL JEFFE
REASONABLE POTENTIAL
EFFLUENT
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MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
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CYANIDE, FREE (AMEN. TO CHLORINATION) 00722 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	***	******	<0.005	<0.005	(19) MG/L	0	1/31	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	******	******	***	******	208	208	(19) MG/L	0	1/31	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	******	******	***	******	<0.010	<0.010	(19) MG/L	0	1/31	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	******	******	***	******	<0.20	<0.20	(19) MG/L	0	1/31	CP
	PERMIT MEASUREMENT	******	******	***	******	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		ONCE/ MONTH	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										
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	PERMIT MEASUREMENT										

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DATE: YEAR 10 — MO 08 — DAY 25

COMMENT AND EXPLANTION OF ANY VIOLATIONS *(Reference all attachments here)*

NAME OF TREATMENT PLANT HITE CREEK WTP COUNTY JEFFERSON MONTH OF: July 2010

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 GAL/DAY X 1000	RETURN MLSS x1000	WASTED MLVSS X 1000	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME 30 MIN.	SETTLED SLUDGE VOLUME 60 MIN.	RAW GALLONS X1000	RAW % DRY SOLIDS	RAW % VOLATILE SOLIDS	HAULED % DRY SOLIDS	HAULED % VOLATILE SOLIDS	HAULED METHANAN GALLONS X1000	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)	Phosphorus mg/L	Cadmium, Total Recoverable	Hardness as CaCO3	Chromium, Hexavalent	Cyanide, Free (Amenable)	Mercury, Total Recoverable
1	2.87			7.0	7.7	10.0		0.0		8.0		216		2	167		2	2.14	9.32	98.6	4.5	3,395		200							75.6	0.055	4						
2	2.67	36	36	7.5	7.8	12.0		0.0		7.6								2.09	6.88	116.3	4	3.1	2.03	200							75.6			0.124					
3	2.73			7.0	7.9	10.0		0.0		7.8								2	5.68	78.8	4.9	3.65		200							74.5								
4	2.42			7.0	7.8	10.0		0.0		7.8		163		2	105		2	2	5.08	75.6	4.8	3.405		200								0.055	4						
5	2.62			7.3	7.7	10.0		0.0		7.9		145		2	153		2	2.05	7.11	78.8	3.9	3.895	2.68	160							68.3	0.055	4	0.16					
6	2.49	36	36	7.1	7.4	10.0		0.0		7.8								2.11	7.49	78.8	4.8	3.725	2.44	200							78.7			0.148					
7	2.29			7.3	7.6	14.0		0.0		8.0								1.79	7.97	98.6	4.4	3.825	2.51	230							75.6								
8	2.69			7.2	7.7	10.0		0.0		7.9		205		2	184		2	2.1	9.26	105.1	4	3.8	2.52	200							75.6	0.62	4						
9	3.16	36	36	7.4	7.6	4.0		0.0		7.8								2.06	8.36	118.3	3.9	3.43		200							84.2			0.105					
10	2.91			7.0	7.7	6.0		0.0		7.8								2.12	4.86	84.1	6.6	3.67	2.44	210							75.6								
11	2.55			7.0	7.9	14.0		0.0		7.6		264		2	257		2	2	7.66	84.1	6.1	3.56	2.41	200							75.6	0.055	4						
12	2.64			7.7	7.8	13.0		0.0		7.4		242		2	191		2	1.78	6.72	98.6	3.7	3.635	2.505	200							75.6	0.78	4	0.089	0.2	208	0.01	0.005	
13	4.51	36	36	6.8	7.6	7.0		0.0		7.4								2.08	15.09	105.1	4.7	2.985	2.085	190					0.77	60	73.2			0.079					
14	3.43			7.2	7.6	7.0		0.0		8.0								2.2	8.76	85.4	5.9	3.425		200							86.3								
15	3.43			7.1	7.7	8.0		0.0		7.7		202		2	187		2	2.18	6.77	105.1	5	3.19	2.18	190							87.6	0.055	4						
16	5.87	36	36	7.1	7.6	12.0		0.0		7.2								2.12	7.29	98.6	4.5	2.97	2.05	190							75.6			0.09					
17	2.61			6.9	7.8	11.0		0.0		7.7								2	4.66	78.8	6.2	2.98	2.06	180							75								
18	2.95			6.9	7.6	10.0		0.0		7.4		261		2	214		2	2.12	5.19	78.8	4.9	3.14	2.345	200							65.5	0.67	4						
19	3.27			7.1	7.6	10.0		0.0		7.2		202		2	159		2	2.17	9.45	98.6	2.8	3.375	2.43	210					0.62	60	70.8	0.84	4	0.067					
20	5.01	36	36	6.9	7.4	10.0		0.0		7.1								2.19	13.35	98.6	2.4	3.43	2.465	200							74.8			0.06					
21	4.36			6.9	7.4	7.0		0.0		7.3								1.78	8.22	78.8	2.5	2.835	2.43	200							75.6								
22	3.81			7.6	7.4	10.0		0.0		8.2		198		3	140		2	2.13	8.5	92	5.9	2.955	2.135	200							73.5	0.9	4						
23	3.34	36	36	7.4	7.4	8.0		0.0		7.2								2.17	6.1	98.6	3	2.83	2.06	200							85.9			0.167					
24	3.34			7.2	7.4	10.0		0.0		7.8								2.01	6.85	92	2.5	2.945		200							74.1								
25	5.75			7.7	7.2	10.0		0.0		7.9		186		3	154		2	2.18	6.59	98.6	0.7	2.945		170							74.4	0.67	4						
26	3.14			7.1	7.4	12.0		0.0		7.2		184		2	153		2	1.79	4.07	92	2.9	2.76	2.035	180					0.63	66	73.7	0.055	4	0.255					
27	3.13	36	36	8.2	7.2	10.0		0.0		7.2								1.88	7.13	98.6	2.6	2.94	2.15	170							75.6			0.391					
28	3.54			8.0	7.2	10.0		0.0		7.2								2.49	5.25	92	2.6	2.515	2.065	150							75								
29	3.46			7.0	7.0	10.0		0.0		7.9								2.05	7.92	92	4.3	2.955	2.01	150							73.7								
30	2.81	36	36	7.0	7.4	15.0		0.0		7.8								2.17	7.12	92	3.1	2.39	1.82	130							73.7								
31	2.87			6.9	7.6	11.0		0.0		8.2								2.01	6.98	92	2.3	2.51	1.86	150							72.8								
Tot.	102.67	324	324															63.93													2272								
Avg.	3.31	36	36	7.2	7.6	10.0				7.6		206		2	172		2	2.062	7.474	93.07	4.006	3.198	2.238	189					0.673	62	75.72	0.40	4	0.14	0.20	208	0.01	0.005	

RESIDENTIAL

COMMERCIAL

INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

31542	27947	27052
FLOW	CBOD	TSS

Earl Dunn
OPERATOR

7626
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-241-9310
PLANT TELEPHONE