



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

April 16, 2012

Cheryl Edwards
DMR Coordinator
200 Fair Oaks Lane
Frankfort, Kentucky 40601

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for March 2012.**


Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Hite Creek WQTC, for the month of March 2012.

There were no overflows, exceedances or bypasses to report this month. The BOD samples on March 4, 2012 were analyzed. However, due to laboratory personnel not following proper protocol, the sample data was lost. Because of this incident, MSD laboratory personnel were reminded of the proper protocol. If protocol is followed, measures are in place that will prevent a recurrence of lost data.

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

Sincerely,


Kevin Thompson
Process Supervisor, East Region

KT/ Hite Creek. 03/12.

Enclosures

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



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

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

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

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
FROM 12 03 01 TO 12 03 31

NOTE: Read instructions before completing this form

Main data table with columns: PARAMETER, QUANTITY OR LOADING (AVERAGE, MAXIMUM, UNITS), QUALITY OR CONCENTRATION (MINIMUM, AVERAGE, MAXIMUM, UNITS), NO EX, FREQUENCY OF ANALYSIS, SAMPLE TYPE. Includes rows for OXYGEN, DOSSIFIED (DO), EFFLUENT GROSS VALUE, PH, SOLIDS, TOTAL SUSPENDED, RAW SEW/INFLUENT, NITROGEN, AMMONIA TOTAL (AS N), PHOSPHORUS, TOTAL (AS P).

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
GREG HEITZMAN
EXECUTIVE DIRECTOR

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. 1310. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
TELEPHONE 502 540-6000
DATE 12 04 16

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

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

DISCHARGE MONITORING REPORT (DMR)

KY0022420
 PERMIT NUMBER


001 2
 DISCHARGE NUMBER

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

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

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
FROM 12	03	01	TO 12	03	31

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	3.93	5.82	(03) MGD	*****	*****	*****	***	0	CN	CN	
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	REPORT MO AVG	REPORT DAILY MX	(03) MGD	*****	*****	*****	***		CONTINUOUS	CONTINUOUS	
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	*****	*****	***	*****	12	89	(13) 100ML	0	3/7	GR	
74055 1 0 0 EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	*****	200 30 DA GEO	400 7 DA GEO	(13) 100ML		THREE/WEEK	GRAB	
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	3870	4709	(26) LBS/DY	*****	114	122	(19) MG/L	0	11/31	CP	
80082 G 0 0 RAW SEW/INFLUENT	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	120	181	(26) LBS/DY	*****	3	5	(19) MG/L	0	11/31	CP	
80082 1 0 0 EFFLUENT GROSS VALUE	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 REMOVAL	SAMPLE MEASUREMENT	*****	*****	***	97	*****	*****	(23) CENT	0	1/31	CA	
80091 K 0 0 PERCENT REMOVAL	PERMIT MEASUREMENT	*****	*****	***	85 MO AVG	*****	*****	(23) CENT		ONCE/MONTH	CALC'D	
SOLIDS, SUSPENDED PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****	***	97	*****	*****	(23) CENT	0	1/31	CA	
81011 K 0 0 PERCENT REMOVAL	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALC'D	
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 those statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.							TELEPHONE		DATE		
GREG HEITZMAN EXECUTIVE DIRECTOR								502	540-6000	12	04	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)
 Please see cover letter for explanation of NODI code # 8".

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 R
 DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 12	03	01	TO	12	03	31

MAJOR (SUBR LV)
 F - FINAL JEFFE
 REASONABLE POTENTIAL
 EFFLUENT
 [] 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				
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	*****	*****	***	*****	203	203	(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	*****	*****	***	*****	0.01	0.01	(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	*****	*****	***	*****	0.2	0.2	(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											
	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		
GREG HEITZMAN EXECUTIVE DIRECTOR								502 540-6000		12	04	16
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							AREA CODE	NUMBER	YEAR	MO	DAY

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

NAME OF TREATMENT PLANT HITE CREEK WTP
 KPDES PERMIT NUMBER KY0022420

COUNTY JEFFERSON
 PLANT CAPACITY 4.4 MGD

MONTH OF: March 2012
 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	GAUDAY X 1000	MLSS X 1000	MLVSS X 1000	RETURN	WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) X 1000	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	HAULING GALLONS X 1000	NH3-N (mg/L)	FECAL COLOUR (COLONES/100ML)	Phosphorus mg/L	Cadmium, Total Recoverable	Hardness as CaCO3	Chromium, Hexavalent	Cyanide, Free (Amenable)	Mercury, Total Recoverable					
1	3,405				7.3	15.0		0.0		10.0			174			4	108		3	3.11	9.9	49.3	7.1	3.27	2.81	300									63	0.34	600	0.388								
2	3,887	36	36		7.8	15.0		0.0		10.0									4	3.04	7.92	72.4	8.1	3.68	2.81	350									63											
3	3,628				7.6	14.0		0.0		10.0										2.84	10.28	39.4	8.7	3.38	2.63	300									63											
4	3,072				7.7	18.0		0.0		10.0			168		4	Scratched	Scratched			2.83	9.24	65.7	7.1	4.89	3.78	400								63	1.1	7										
5	3,595				8.0	15.0		0.0		11.0			184		7	126			4	3.43	10.18	65.7	7.5	4.29	3.34	440							75.8	1.6	170		0.2	203	0.01							
6	3,728	36	36		7.3	12.0		0.0		10.0										2.37	10.46	52.6	6.1	3.38	2.59	280								63								0.005				
7	3.8				7.4	20.0		0.0		10.0										2.44	11.14	55.9	7.5	4.23	3.33	330								63												
8	4,892				7.4	15.0		0.0		12.0			155		8	85			4	2.4	10.94	65.7	7.4	4.67	3.55	390							63	1.1	4	0.871										
9	5,037	36	36		7.2	10.0		0.0		10.0										2.3	12.38	39.4	7.5	3.58	2.84	280								63												
10	4,145				7.0	15.0		0.0		12.0										2.3	10.8	52.6	9.6	4.3	3.33	400								60.25												
11	3,747				7.3	18.0		0.0		10.0			258		5	137			4	2.42	11.88	42.7	6.2	3.88	3.04	340								63	0.84	4										
12	4,344				7.4	10.0		0.0		10.0			226		8	126			7	2.42	11.58	42.7	6.9	3.78	2.98	300								63												
13	4,035	36	36		7.4	15.0		0.0		10.0										2.83	12.08	48	7.4	4.18	3.28	340								37.8	1.4	12										
14	3,54				7.4	15.0		0.0		10.0										2.71	10.02	59.2	6.2	4.18	3.28	300								37.8												
15	3,687				7.4	15.0		0.0		9.2			228		5	127			2	2.48	9.7	59.2	6	3.65	2.87	290									81.9	1	20	0.408								
16	4,582	36	36		7.3	12.0		0.0		9.2										2.85	10.8	39.4	6.2	2.74	2.19	200								63												
17	4,211				7.3	15.0		0.0		9.4										2.83	9.94	49.3	4.3	3.45	2.76	250								44.1												
18	5,815				7.4	15.0		0.0		9.6			192		6	84			3	2.93	11.54	36.2	3.4	2.98	2.37	200								44.1	0.67	12										
19	4,743				7.3	15.0		0.0		9.6			168		5	156			3	2.92	10.48	46	5.5	3.53	2.78	250								50.4	0.5	4										
20	4.28	36	36		7.4	10.0		0.0		9.3										2.88	8.7	46	3.7	2.88	2.25	200									69.3											
21	3,739				7.1	10.0		0.0		9.3										2.87	9.31	59.2	5	3.8	2.96	200									75.8											
22	3,584				7.2	11.0		0.0		9.4			178		6	83			3	2.75	7.09	82.5	4.7	3.14	2.4	200								132.3	0.62	4	1									
23	4,302	36	36		7.6	14.0		0.0		9.3										2.85	8.38	46	4	2.59	2.06	200								126												
24	4,684				7.4	15.0		0.0		9.5										2.78	7.68	49.3	5.4	3.43	2.6	250								80.25												
25	3,888				7.4	10.0		0.0		9.4			160		5	105			3	2.81	8.72	49.3	6.7	3.57	2.7	250								50.4	0.62	4										
26	3,473				7.5	14.0		0.0		9.6			214		5	120			2	2.84	9.58	49.3	4.1	3.37	2.63	240								37.8	0.34	4										
27	3,488	36	36		7.3	13.0		0.0		9.9										2.85	7.78	62.5	4.8	3.24	2.48	240									37.8											
28	3,445				7.3	18.0		0.0		9.4										2.71	8.73	69	5.4	3.36	2.37	250								50.1												
29	3,096				7.1	18.0		0.0		9.5										2.71	7	62.5	4.5	3.16	2.5	230								58.7												
30	3,214	36	36		7.1	17.0		0.0		9.3										2.67	10.48	46.91	3.3	3.14	2.53	210								50.4												
31	2,784				7.1	18.0		0.0		9.3										2.68	6.9	65.7	3.5	3.16	2.63	230								50.4												
Tot	121.8	324	324																	84.15													1921													
Avg.	3.929	38	38		7.4	14.4				9.8			190		6	114			3	2.715	9.655	53.15	5.794	3.574	2.789	278.1							1921	0.84	12	0.62	0.20	203.00	0.01	0.005						

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
 37415 FLOW
 21989 CBOD
 29831 TSS

Earl Dumm OPERATOR
 7828 CERT. NO.

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

502-241-9310
 PLANT TELEPHONE