



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

October 6, 2010

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

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

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

Also attached are the 3rd quarter Biomonitoring DMR's.

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.0910

Enclosures

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



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

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 | TO | YEAR | MO | DAY |
| 10 | 09 | 01 | | 10 | 09 | 30 |

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

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 50050 1 0 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | 2.43 | 2.76 | (03) MGD | ***** | ***** | ***** | *** | 0 | CN | CN |
| | PERMIT MEASUREMENT | REPORT MO AVG | REPORT DAILY MX | (03) MGD | ***** | ***** | ***** | *** | | CONTINUOUS | CONTIN |
| COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ***** | ***** | *** | ***** | 8 | 24 | (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 | 5098 | 6188 | (26) LBS/DY | ***** | 247 | 284 | (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 | 56 | 91 | (26) LBS/DY | ***** | 3 | 5 | (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 | 1/30 | 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 | 1/30 | CA |
| | PERMIT MEASUREMENT | ***** | ***** | *** | 85 MO MIN | ***** | ***** | (23) CENT | | ONCE/MONTH | CALCTD |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT MEASUREMENT | | | | | | | | | | |
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER H J SCHARDEIN 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 those statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years. | | | | | TELEPHONE 502 540-6000 | | DATE 10 10 25 | | | |
| TYPED OR PRINTED | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Richard Mills</i> | | | | | AREA CODE | NUMBER | YEAR | MO | DAY | |

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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Facility Name/Location if different)

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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

001 2
 DISCHARGE NUMBER

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

| MONITORING PERIOD | | | | | | |
|-------------------|----|-----|----|------|----|-----|
| YEAR | MO | DAY | TO | YEAR | MO | DAY |
| 10 | 09 | 01 | | 10 | 09 | 30 |

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

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 | | | | |
| 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 | ***** | ***** | *** | 7.1 | ***** | 7.8 | (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 | 5190 | 5901 | (26) LBS/DY | ***** | 251 | 282 | (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 | 65 | 75 | (26) LBS/DY | ***** | 3 | 4 | (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 | 443 | 452 | (26) LBS/DY | ***** | 21 | 22 | (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 | 10 | 19 | (26) LBS/DY | ***** | 0.5 | 0.9 | (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 | ***** | ***** | **** | ***** | 0.5 | 0.6 | (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 | 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 | 10 | 25 |
| TYPED OR PRINTED | | | | | | | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE | | | |

COMMENT AND EXPLANATION 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
 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

001 Y
 DISCHARGE NUMBER

MAJOR (SUBR LV)
 F - FINAL JEFFE
 METALS/BIOMONITORING/QUARTERLY
 EFFLUENT
 [] No Discharge

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

| MONITORING PERIOD | | | | | | |
|-------------------|----|-----|----|------|----|-----|
| YEAR | MO | DAY | TO | YEAR | MO | DAY |
| 10 | 07 | 01 | | 10 | 07 | 31 |

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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 | | | |
| ZINC TOTAL RECOVERABLE 01094 1 0 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ***** | ***** | *** | ***** | 0.038 | 0.038 | (19) MG/L | 0 | 1 | COMPOS |
| | PERMIT MEASUREMENT | ***** | ***** | *** | ***** | REPORT MO AVG | REPORT DAILY MX | (19) MG/L | | QTRLY | COMPOS |
| LEAD TOTAL RECOVERABLE 01114 1 0 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ***** | ***** | *** | ***** | < 0.004 | <0.004 | (19) MG/L | 0 | 1 | COMPOS |
| | PERMIT MEASUREMENT | ***** | ***** | *** | ***** | REPORT MO AVG | REPORT DAILY MX | (19) MG/L | | QTRLY | COMPOS |
| COPPER TOTAL RECOVERABLE 01119 1 0 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ***** | ***** | *** | ***** | < 0.002 | <0.002 | (19) MG/L | 0 | 1 | COMPOS |
| | PERMIT MEASUREMENT | ***** | ***** | *** | ***** | REPORT MO AVG | REPORT DAILY MX | (19) MG/L | | QTRLY | COMPOS |
| TOXICITY, FINAL CONC TOXICITY UNITS 61406 1 0 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ***** | ***** | *** | ***** | ***** | <1.00 | (2G) TOXCTY | 0 | 1 | COMPOS |
| | PERMIT MEASUREMENT | ***** | ***** | *** | ***** | ***** | 1.00 DAILY MX | (2G) TOXCTY | | QTRLY | COMPOS |
| MERCURY TOTAL RECOVERABLE 71901 1 0 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ***** | ***** | **** | ***** | < 0.000500 | <0.000500 | (19) MG/L | 0 | 1 | GRAB |
| | PERMIT MEASUREMENT | ***** | ***** | **** | ***** | REPORT MO AVG | REPORT DAILY MAX | (19) MG/L | | QTRLY | GRAB |
| | 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 | | | | | | | 502 540-6000 | | 10 | 10 | 25 |
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COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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 FACILITY HITE CREEK WQTC

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

KY0022420
 PERMIT NUMBER

001 R
 DISCHARGE NUMBER

MAJOR
 (SUBR LV)
 F - FINAL JEFFE
 REASONABLE POTENTIAL
 EFFLUENT
 [] No Discharge

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

| MONITORING PERIOD | | | | | | |
|-------------------|----|-----|----|------|----|-----|
| YEAR | MO | DAY | TO | YEAR | MO | DAY |
| 10 | 07 | 01 | | 10 | 07 | 31 |

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|--|---|---------------------|---------|-------|--------------------------|---------------|-----------------|--------------|--------|-----------------------|-------------|-----|
| | | 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 | ONCE/MONTH | COMPOS | |
| | 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 | ***** | ***** | *** | ***** | 174 | 174 | (19) MG/L | 0 | ONCE/MONTH | COMPOS | |
| | 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 | ONCE/MONTH | COMPOS | |
| | 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 | ***** | ***** | *** | ***** | <0.0001 | <0.0001 | (19) MG/L | 0 | ONCE/MONTH | COMPOS | |
| | 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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