



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

May 21, 2012

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

**Re: MSD Metro Operations
Hunting Creek South WQTC; KPDES No.: KY 0029114
Discharge Monitoring Report for April 2012**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Reports (DMRs) and the Monthly Operator Report (MOR) for the Hunting Creek South WQTC; KPDES No.: KY0029114 for the month of April 2012.

There were no exceedences , bypasses or overflows to report this month..

If you have any questions concerning the attached DMRs, please contact me at (502) 587-5832

Sincerely,


Richard Mills
Process Supervisor of Metro Operations

RM/Hunting Creek South 04/12

Enclosures

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



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

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

ERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
 A/E HUNTING CREEK S WQTC MSD
 ADDRESS C/O CEDAR CREEK WQTC
 8405 CEDAR CREEK RD
 LOUISVILLE KY 40211
 FACILITY HUNTING CREEK S WQTC MSD
 LOCATION PROSPECT KY 40059
 ATTN: DENNIS THOMASSON, SR METRO OPS

KY0029114
 PERMIT NUMBER

001 1
 DISCHARGE NUMBER

MINOR
 (SUBR LV)
 F - FINAL
 MUNICIPAL DISCHARGE
 EFFLUENT

JEFFE

| MONITORING PERIOD | | | | | | |
|-------------------|----|-----|----|------|----|-----|
| YEAR | MO | DAY | TO | YEAR | MO | DAY |
| 12 | 04 | 01 | | 12 | 04 | 30 |

*** NO DISCHARGE 1 1 ***

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 | ***** | ***** | | 7 | ***** | ***** | (19 | 0 | 1/1 | GR |
| 00300 1 0 0 | PERMIT REQUIREMENT | ***** | ***** | **** | 7 | ***** | ***** | | | WEEKLY | GRAB |
| EFFLUENT GROSS VALUE PH | SAMPLE MEASUREMENT | ***** | ***** | | 6-9 | ***** | 7.9 | (12 | 0 | 1/1 | GR |
| 00400 1 0 0 | PERMIT REQUIREMENT | ***** | ***** | **** | 6.0 | ***** | 9.0 | | | WEEKLY | GRAB |
| EFFLUENT GROSS VALUE SOLIDS, TOTAL SUSPENDED | SAMPLE MEASUREMENT | 266 | 583 | (25) | ***** | 186 | 410 | (19 | 0 | 1/7 | CP |
| 00530 0 0 0 | PERMIT REQUIREMENT | REPORT MD AVG | REPORT MX WK AV | LBS/DY | ***** | REPORT MD AVG | REPORT MX WK AV | MG/L | | WEEKLY | COMPOS |
| RAW SEW/INFLUENT SOLIDS, TOTAL SUSPENDED | SAMPLE MEASUREMENT | 4 | 5 | (25) | ***** | 2 | 3 | (19 | 0 | 1/7 | CP |
| 00630 1 0 0 | PERMIT REQUIREMENT | 63 MD AVG | 94 MX WK AV | LBS/DY | ***** | 30 MD AVG | 45 MX WK AV | MG/L | | WEEKLY | COMPOS |
| EFFLUENT GROSS VALUE NITROGEN, AMMONIA TOTAL (AS N) | SAMPLE MEASUREMENT | 29 | 33 | (25) | ***** | 19 | 25 | (19 | 0 | 1/7 | CP |
| 00610 0 0 0 | PERMIT REQUIREMENT | REPORT MD AVG | REPORT MX WK AV | LBS/DY | ***** | REPORT MD AVG | REPORT MX WK AV | MG/L | | WEEKLY | COMPOS |
| RAW SEW/INFLUENT NITROGEN, AMMONIA TOTAL (AS N) | SAMPLE MEASUREMENT | 0.5 | 1 | (25) | ***** | 0.3 | 0-4 | (19 | 0 | 1/7 | CP |
| 00610 1 2 0 | PERMIT REQUIREMENT | 11 MD AVG | 16 MX WK AV | LBS/DY | ***** | 5 MD AVG | 7.5 MX WK AV | MG/L | | WEEKLY | COMPOS |
| EFFLUENT GROSS VALUE PHOSPHORUS, TOTAL (AS P) | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 0.42 | 1.1 | (19 | 0 | 1/7 | CP |
| 00665 1 0 0 | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | REPORT MD AVG | REPORT MX WK AV | MG/L | | TWICE MONTH | COMPOS |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Greg C. Heitzman
 Interim Executive Director
 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.

Richard Mills
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

| TELEPHONE | DATE | | |
|------------------|------|----|-----|
| 502 540-6000 | 12 | 5 | 21 |
| AREA CODE NUMBER | YEAR | MO | DAY |

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

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

MINOR
(SUBR LV)
F - FINAL
MUNICIPAL DISCHARGE
EFFLUENT
*** NO DISCHARGE [] ***

JEFF

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME HUNTING CREEK S WQTC MSD
ADDRESS C/O CEDAR CREEK WQTC
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY HUNTING CREEK S WQTC MSD
LOCATION PROSPECT KY 40069
ATTN: DENNIS THOMASSON, SR METRO OPS

KY0029114
PERMIT NUMBER

001 1
DISCHARGE NUMBER

| MONITORING PERIOD | | | | | | | |
|-------------------|------|----|-----|----|------|----|-----|
| FROM | YEAR | MO | DAY | TO | YEAR | MO | DAY |
| | 12 | 01 | 01 | | | | |

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 | | | |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | 0.192 | 0.544 | (CG) | ***** | ***** | ***** | | 0 | CN | CN |
| | PERMIT REQUIREMENT | REPORT 30DA AVG | REPORT DAILY MX | MGD | ***** | ***** | ***** | **** | | CONTIN | CONTIN |
| CHLORINE, TOTAL RESIDUAL 50060 1 0 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 20-010 | <0-010 | (19) | 0 | 1/1 | GR |
| | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | 0.011 MD AVG | 0.017 MX WK AV | MG/L | | WEEKL | GRAB |
| COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 3 | 5 | (13) | 0 | 1/7 | GR |
| | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | 200 30DA GEO | 400 #/ 7 DA GEO | 100ML | | WEEKL | GRAB |
| BOD, CARBONACEOUS 5 DAY, 20C 80082 0 0 0 RAW SEW/INFLUENT | SAMPLE MEASUREMENT | 236 | 504 | (MG) | ***** | 163 | 354 | (19) | 0 | 1/7 | CP |
| | PERMIT REQUIREMENT | REPORT MD AVG | REPORT MX WK AV | LBS/DY | ***** | REPORT MD AVG | REPORT MX WK AV | MG/L | | WEEKL | COMPLS |
| BOD, CARBONACEOUS 5 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | 6 | 7 | (25) | ***** | 4 | 6 | (19) | 0 | 1/7 | CP |
| | PERMIT REQUIREMENT | 21 MD AVG | 31 MX WK AV | LBS/DY | ***** | 10 MD AVG | 15 MX WK AV | MG/L | | WEEKL | COMPLS |
| BOD, CARB-5 DAY, 20 DEG C, PERCENT REMOVAL 80091 K 0 0 PERCENT REMOVAL | SAMPLE MEASUREMENT | ***** | ***** | | 98 | ***** | ***** | (23) | 0 | 1/30 | CA |
| | PERMIT REQUIREMENT | ***** | ***** | **** | 55 MD MIN | ***** | ***** | PER-CENT | | ONCE / MONTH | CALC'D |
| SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENT REMOVAL | SAMPLE MEASUREMENT | ***** | ***** | | 99 | ***** | ***** | (23) | 0 | 1/30 | CA |
| | PERMIT REQUIREMENT | ***** | ***** | **** | 55 MD MIN | ***** | ***** | PER-CENT | | ONCE / MONTH | CALC'D |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Greg C. Heitzman
Interior Executive Director

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Richard Mills

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| TELEPHONE | DATE | | |
|--------------|--------|------|--------|
| 502-540-6000 | 12 | 5 | 21 |
| AREA CODE | NUMBER | YEAR | MO DAY |

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

Hunting Creek South

| Date | Flow | INFLUENT Concentration | | | Pounds | | |
|-----------|-------|------------------------|-----|-------|---------|---------|--------|
| | | TSS | BOD | NH3 | TSS | BOD | NH3 |
| 4/1/2012 | 0.372 | | | | | | |
| 4/2/2012 | 0.317 | 29 | 41 | 11 | 76.554 | 108.231 | 29.038 |
| 4/3/2012 | 0.245 | | | | | | |
| 4/4/2012 | 0.265 | | | | | | |
| 4/5/2012 | 0.233 | | | | | | |
| 4/6/2012 | 0.198 | | | | | | |
| 4/7/2012 | 0.187 | | | | | | |
| 4/8/2012 | 0.18 | | | | | | |
| 4/9/2012 | 0.166 | 230 | 151 | 17 | 318.038 | 208.799 | 23.507 |
| 4/10/2012 | 0.145 | | | | | | |
| 4/11/2012 | 0.134 | | | | | | |
| 4/12/2012 | 0.132 | | | | | | |
| 4/13/2012 | 0.132 | | | | | | |
| 4/14/2012 | 0.184 | | | | | | |
| 4/15/2012 | 0.181 | | | | | | |
| 4/16/2012 | 0.171 | 410 | 354 | 23 | 583.384 | 503.702 | 32.726 |
| 4/17/2012 | 0.152 | | | | | | |
| 4/18/2012 | 0.139 | | | | | | |
| 4/19/2012 | 0.142 | | | | | | |
| 4/20/2012 | 0.544 | | | | | | |
| 4/21/2012 | 0.163 | | | | | | |
| 4/22/2012 | 0.157 | | | | | | |
| 4/23/2012 | 0.138 | 76 | 107 | 25 | 87.781 | 123.586 | 28.875 |
| 4/24/2012 | 0.14 | | | | | | |
| 4/25/2012 | 0.138 | | | | | | |
| 4/26/2012 | 0.149 | | | | | | |
| 4/27/2012 | 0.122 | | | | | | |
| 4/28/2012 | 0.138 | | | | | | |
| 4/29/2012 | 0.198 | | | | | | |
| 4/30/2012 | 0.188 | | | | | | |
| Average | 0.192 | 186 | 163 | 19.00 | 266.439 | 236.079 | 28.537 |
| Maximum | 0.544 | 410 | 354 | 25.00 | 583.4 | 503.70 | 32.726 |

