



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

February 14, 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 January 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 January 2012.

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

Also attached is a overflow report.

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 01/12

Enclosures

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



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

NAME HUNTING CREEK S WQTC MSD
 ADDRESS C/O CEDAR CREEK WQTC
 8405 CEDAR CREEK RD
 LOUISVILLE KY 40211

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

KY0029114
 PERMIT NUMBER
 001 1
 DISCHARGE NUMBER

MINOR
 (SUBR LV)
 F - FINAL
 MUNICIPAL DISCHARGE
 EFFLUENT

JEFFE

FACILITY HUNTING CREEK S WQTC MSD
 LOCATION PROSPECT KY 40059
 ATTN: DENNIS THOMASSON, SR METRO OPS

| MONITORING PERIOD | | | | | | |
|-------------------|----|-----|----|------|----|-----|
| YEAR | MO | DAY | TO | YEAR | MO | DAY |
| 12 | 01 | 01 | | 12 | 01 | 31 |

*** NO DISCHARGE 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) 00300 1 0 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ***** | ***** | | 8 | ***** | ***** | (19) | 0 | 1/1 | Gr |
| | PERMIT REQUIREMENT | ***** | ***** | **** | 7 | ***** | ***** | | | WEEKLY | GRAB |
| PH | SAMPLE MEASUREMENT | ***** | ***** | | 6.4 | ***** | 7.8 | (12) | 0 | 1/1 | Gr |
| 00400 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | **** | 6.0 | ***** | 9.0 | | | WEEKLY | GRAB |
| SOLIDS, TOTAL SUSPENDED 00530 0 0 0 RAW SEW/INFLUENT | SAMPLE MEASUREMENT | 468 | 867 | (25) | ***** | 230 | 374 | (19) | 0 | 1/7 | CP |
| | PERMIT REQUIREMENT | REPORT MO AVG | REPORT MX WK AV | LBS/DY | ***** | REPORT MO AVG | REPORT MX WK AV | MG/L | | WEEKLY | COMPOS |
| SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | 7 | 10 | (25) | ***** | 4 | 8 | (19) | 0 | 1/7 | CP |
| | PERMIT REQUIREMENT | 63 | 94 | | ***** | 30 | 45 | | | WEEKLY | COMPOS |
| | | MO AVG | MX WK AV | LBS/DY | | MO AVG | MX WK AV | MG/L | | | |
| NITROGEN, AMMONIA TOTAL (AS N) 00610 0 0 0 RAW SEW/INFLUENT | SAMPLE MEASUREMENT | 36 | 46 | (25) | ***** | 19 | 25 | (19) | 0 | 1/7 | CP |
| | PERMIT REQUIREMENT | REPORT MO AVG | REPORT MX WK AV | LBS/DY | ***** | REPORT MO AVG | REPORT MX WK AV | MG/L | | WEEKLY | COMPOS |
| NITROGEN, AMMONIA TOTAL (AS N) 00610 1 2 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | 0.6 | 0.8 | (25) | ***** | 0.3 | 0.4 | (19) | 0 | 1/7 | CP |
| | PERMIT REQUIREMENT | 11 | 16 | | ***** | 5 | 7.5 | | | WEEKLY | COMPOS |
| | | MO AVG | MX WK AV | LBS/DY | | MO AVG | MX WK AV | MG/L | | | |
| PHOSPHORUS, TOTAL (AS P) 00865 1 0 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 0.4 | 0.6 | (19) | 0 | 1/7 | CP |
| | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | REPORT MO AVG | REPORT MX WK AV | MG/L | | TWICE/MONTH | COMPOS |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Greg 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 502 540-6000
 DATE 12 2 20
 AREA CODE NUMBER YEAR MO DAY

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

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 40059
 ATTN: DENNIS THOMASSON, SR METRO OPS

KY0029114
 PERMIT NUMBER

001 1
 DISCHARGE NUMBER

MINOR
 (SUBR LV)
 F - FINAL
 MUNICIPAL DISCHARGE
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JEFFE

| MONITORING PERIOD | | | | | | |
|-------------------|----|-----|----|------|----|-----|
| YEAR | MO | DAY | TO | YEAR | MO | DAY |
| 12 | 01 | 01 | | 12 | 01 | 31 |

*** NO DISCHARGE [] ***

NOTE: Read Instructions before completing this form.

| PARAMETER | SAMPLE 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 | 0.257 | 0.570 | (03) | ***** | ***** | ***** | ***** | 0 | CN | CN | |
| PERMIT REQUIREMENT | REPORT | REPORT | | ***** | ***** | ***** | ***** | | CONTINUOUS | CONTINUOUS | |
| CHLORINE, TOTAL RESIDUAL 50060 1 0 0 EFFLUENT GROSS VALUE | ***** | ***** | (19) | ***** | <0.010 | <0.010 | (19) | 0 | 1/1 | Gr | |
| PERMIT REQUIREMENT | ***** | ***** | ***** | ***** | 0.011 | 0.019 | MG/L | | WEEKLY | GRAB | |
| COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE | ***** | ***** | (13) | ***** | 5 | 26 | (13) | 0 | 1/1 | Gr | |
| PERMIT REQUIREMENT | ***** | ***** | ***** | ***** | 200 | 400 | #/100ML | | WEEKLY | GRAB | |
| BOD, CARBONACEOUS 5 DAY, 20C 80082 0 0 0 RAW SEW/INFLUENT | 290 | 464 | (26) | ***** | 151 | 200 | (19) | 0 | 1/1 | CP | |
| PERMIT REQUIREMENT | REPORT | REPORT | | ***** | REPORT | REPORT | MG/L | | WEEKLY | COMPOS | |
| BOD, CARBONACEOUS 5 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE | 5 | 8 | (26) | ***** | 3 | 6 | (19) | 0 | 1/1 | CP | |
| PERMIT REQUIREMENT | 21 | 31 | | ***** | 10 | 15 | MG/L | | WEEKLY | COMPOS | |
| BOD, CARB-5 DAY, 20 DEG C, PERCENT REMOVAL 80091 K 0 0 PERCENT REMOVAL | ***** | ***** | (23) | 98 | ***** | ***** | (23) | 0 | CA | CA | |
| PERMIT REQUIREMENT | ***** | ***** | ***** | 85 | ***** | ***** | PER-CENT | | ONCE/ | CALCULATED | |
| SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENT REMOVAL | ***** | ***** | (23) | 98 | ***** | ***** | (23) | 0 | CA | CA | |
| PERMIT REQUIREMENT | ***** | ***** | ***** | 85 | ***** | ***** | PER-CENT | | ONCE/ | CALCULATED | |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Greg 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 | 2 | 20 |
| AREA CODE | NUMBER | YEAR | MO DAY |

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

Hunting Creek South

INFLUENT

| Date | Flow | Concentration | | | Pounds | | |
|-----------|---------|---------------|-----|-------|---------|---------|--------|
| | | TSS | BOD | NH3 | TSS | BOD | NH3 |
| 1/1/2012 | 0.22757 | | | | | | |
| 1/2/2012 | 0.21551 | | | | | | |
| 1/3/2012 | 0.18305 | 282 | 193 | 25 | 430.512 | 294.641 | 38.166 |
| 1/4/2012 | 0.18228 | | | | | | |
| 1/5/2012 | 0.18228 | | | | | | |
| 1/6/2012 | 0.17094 | | | | | | |
| 1/7/2012 | 0.17602 | | | | | | |
| 1/8/2012 | 0.17399 | | | | | | |
| 1/9/2012 | 0.16158 | | | | | | |
| 1/10/2012 | 0.15685 | 134 | 139 | 22 | 175.289 | 181.830 | 28.779 |
| 1/11/2012 | 0.29913 | | | | | | |
| 1/12/2012 | 0.30472 | | | | | | |
| 1/13/2012 | 0.24224 | | | | | | |
| 1/14/2012 | 0.21559 | | | | | | |
| 1/15/2012 | 0.20174 | | | | | | |
| 1/16/2012 | 0.22542 | | | | | | |
| 1/17/2012 | 0.27801 | 374 | 200 | 14 | 867.158 | 463.721 | 32.460 |
| 1/18/2012 | 0.23474 | | | | | | |
| 1/19/2012 | 0.23304 | | | | | | |
| 1/20/2012 | 0.21355 | | | | | | |
| 1/21/2012 | 0.21558 | | | | | | |
| 1/22/2012 | 0.22151 | | | | | | |
| 1/23/2012 | 0.36906 | 130 | 72 | 15 | 400.135 | 221.613 | 46.169 |
| 1/24/2012 | 0.2771 | | | | | | |
| 1/25/2012 | 0.27791 | | | | | | |
| 1/26/2012 | 0.51575 | | | | | | |
| 1/27/2012 | 0.5695 | | | | | | |
| 1/28/2012 | 0.39235 | | | | | | |
| 1/29/2012 | 0.32672 | | | | | | |
| 1/30/2012 | 0.26909 | | | | | | |
| 1/31/2012 | 0.2535 | | | | | | |
| Average | 0.257 | 230 | 151 | 19.00 | 468.273 | 290.451 | 36.394 |
| Maximum | 0.570 | 374 | 200 | 25.00 | 867.2 | 463.72 | 46.169 |



Report Selections: Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

| | | | | |
|-----------------------------|-------------------------------|--|--|-----------------------|
| KPDES # KY0029114 | Facility ID MSD0292 | Water Quality Treatment Center HUNTING CREEK SOUTH | Receiving Stream of Treatment Center HARRODS CREEK | Region EAST |
|-----------------------------|-------------------------------|--|--|-----------------------|

| Facility Type | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|------------------------|-------------|--------------------|--|------------------|--------------|
| SLS Sewer Lift Station | MSD1063-PS | 6210 DEEP CREEK CT | DEEP CREEK | HARRODS CREEK | DITCH |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u> | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u> | <u>Completed</u> | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|--------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE | 1415875 | 01/26/12 09:35 PM | GREEN | OPS CSHIFT | DOCUMENTED | 12/16/00 | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE-WATER S | 01/27/12 09:50 AM | |

Spot Inspections:

| | |
|------------------|--|
| Discharge Amount | 36,375 GAL |
| Cause: | LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT |
| Clean Up: | MSD CLEANED & SANITIZED |
| Control Zone: | TEMPORARY SIGNS POSTED |
| Impact: | SEWAGE OBSERVED |
| Repair: | SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR |

Notifications:

| | | |
|-------------------|--------|--|
| | DISPUB | MSD WARNED PUBLIC WITH TEMP SIGNS |
| 01/26/12 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 01/26/12 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

Total Facilities Printed: 58
Total Work Orders Printed: 59