



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

May 26, 2009

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

**Re: MSD Metro Operations
Hunting Creek South; KPDES No.: KY0029114
Discharge Monitoring Reports – April 2009.**

Dear Ms. Bentley

Attached is the Discharge Monitoring Reports (DMRs) and the Monthly operator report (MOR) for the Hunting Creek South WTP, KPDES No.: KY0029114 for the month of April 2009

If you have any questions concerning the attached DMRs, please contact me at (502)241-9093.

Sincerely,

A handwritten signature in black ink, appearing to read "D.J. Rheinlaender", is written over a light blue circular stamp.

D.J. Rheinlaender
Process Supervisor, East Region

DJR/HCS 0409

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 HSD HUNTING CREEK SOUTH STP
ADDRESS C/O CEDAR CREEK STP
3456 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY HSD HUNTING CREEK SOUTH STP
LOCATION PROSPECT KY 40059
ATTN: DUNNIS THOMASSON, SR METRO OPS

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

XY0027119
PERMIT NUMBER
001
DISCHARGE NUMBER

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

JEFFE

| MONITORING PERIOD | | | | | | |
|-------------------|----|-----|----|------|----|-----|
| YEAR | MO | DAY | TO | YEAR | MO | DAY |
| 07 | 04 | 01 | | | | |

NOTE: Read Instructions before completing this form.

| PARAMETER | SAMPLE MEASUREMENT / PERMIT REQUIREMENT | 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 | ***** | ***** | | 8 | ***** | ***** | MG/L | 0 | 1/7 | GR |
| EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | **** | INST MIN | ***** | ***** | MG/L | | WEEKLY | COMPL |
| PH | SAMPLE MEASUREMENT | ***** | ***** | | 6.4 | ***** | ***** | MG/L | 0 | 1/7 | GR |
| EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | **** | MINIMUM | ***** | ***** | MG/L | | WEEKLY | COMPL |
| SOLIDS TOTAL SUSPENDED | SAMPLE MEASUREMENT | 219 | 337 | (LB/DY) | ***** | 139 | 200 | MG/L | 0 | 1/7 | CP |
| RAW SEW/INFLUENT | PERMIT REQUIREMENT | REPORT | REPORT | LB/DY | ***** | REPORT | REPORT | MG/L | | WEEKLY | COMPL |
| EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | MO AVG | MX WK AV | LB/DY | ***** | MO AVG | MX WK AV | MG/L | | WEEKLY | COMPL |
| SOLIDS TOTAL SUSPENDED | SAMPLE MEASUREMENT | 18 | 26 | (LB/DY) | ***** | 12 | 16 | MG/L | 0 | 1/7 | CP |
| EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | MO AVG | MX WK AV | LB/DY | ***** | MO AVG | MX WK AV | MG/L | | WEEKLY | COMPL |
| NITROGEN, AMMONIA TOTAL (AS N) | SAMPLE MEASUREMENT | 30 | 42 | (LB/DY) | ***** | 20 | 23 | MG/L | 0 | 1/7 | CP |
| RAW SEW/INFLUENT | PERMIT REQUIREMENT | REPORT | REPORT | LB/DY | ***** | REPORT | REPORT | MG/L | | WEEKLY | COMPL |
| EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | MO AVG | MX WK AV | LB/DY | ***** | MO AVG | MX WK AV | MG/L | | WEEKLY | COMPL |
| NITROGEN, AMMONIA TOTAL (AS N) | SAMPLE MEASUREMENT | 1 | 4 | (LB/DY) | ***** | 0.7 | 2.4 | MG/L | 0 | 1/7 | CP |
| EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | MO AVG | MX WK AV | LB/DY | ***** | MO AVG | MX WK AV | MG/L | | WEEKLY | COMPL |
| PHOSPHORUS, TOTAL (AS P) | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 0.4 | 0.5 | MG/L | 0 | 3/7 | CP |
| EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | *** | ***** | REPORT | REPORT | MG/L | | WEEKLY | COMPL |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Exec. Dir
H. J. Schardin Jr
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.

[Signature]
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
404 544 1000
DATE
09 15 21
AREA CODE NUMBER YEAR MO DAY

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

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

NAME MSD HUNTING CREEK SOUTH STP
 ADDRESS C/O CEDAR CREEK STP
 7408 CEDAR CREEK RD
 LOUISVILLE KY 40211
 FACILITY MSD HUNTING CREEK SOUTH STP
 LOCATION PROSPECT KY 40057
 ATTN: CLAUDE THOMASSON, SR. METRO OPE

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

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

Form Approved.
 OMB No. 2040-0004

XY0057114
 PERMIT NUMBER

0011
 DISCHARGE NUMBER

MONITORING PERIOD

FROM YEAR MO DAY TO YEAR MO DAY

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 | | | |
| PHOSPHORUS THROUGH TREATMENT PLANT | 0.206 | 0.375 | MGD | ***** | ***** | ***** | ***** | 0 | C/N | C/N | |
| EFFLUENT GROSS VALUE | REPORT | REPORT | MGD | ***** | ***** | ***** | ***** | 0 | CONTINUOUS | CONTINUOUS | |
| PERMIT REQUIREMENT | 30DA AVG | DAILY MX | MGD | ***** | ***** | ***** | ***** | 0 | UDUS | UDUS | |
| CHLORINE TOTAL RESIDUAL | ***** | ***** | ***** | ***** | 40.010 | 40.010 | MG/L | 0 | 1/7 | GR | |
| EFFLUENT GROSS VALUE | ***** | ***** | ***** | ***** | 0.011 | 0.017 | MG/L | 0 | WEEKLY | WEEKLY | |
| PERMIT REQUIREMENT | ***** | ***** | ***** | ***** | MO AVG | MX WK AV | MG/L | 0 | WEEKLY | WEEKLY | |
| COLIFORM BODAL GENERAL | ***** | ***** | ***** | ***** | 1 | 2 | CFU/100ML | 0 | 1/7 | GR | |
| EFFLUENT GROSS VALUE | ***** | ***** | ***** | ***** | 200 | 400 | CFU/100ML | 0 | WEEKLY | WEEKLY | |
| PERMIT REQUIREMENT | ***** | ***** | ***** | ***** | 30DA GED | 7 DA GED | 100ML | 0 | WEEKLY | WEEKLY | |
| BOD5 CARBONaceous 5 DAY 20C | 294 | 477 | LBS/DY | ***** | 214 | 424 | MG/L | 0 | 1/7 | CP | |
| EFFLUENT GROSS VALUE | REPORT | REPORT | LBS/DY | ***** | REPORT | REPORT | MG/L | 0 | WEEKLY | WEEKLY | |
| PERMIT REQUIREMENT | MO AVG | MX WK AV | LBS/DY | ***** | MO AVG | MX WK AV | MG/L | 0 | WEEKLY | WEEKLY | |
| BOD5 NONCARBONaceous 5 DAY 20C | 10 | 15 | LBS/DY | ***** | 6 | 10 | MG/L | 0 | 1/7 | CP | |
| EFFLUENT GROSS VALUE | 21 | 31 | LBS/DY | ***** | 10 | 15 | MG/L | 0 | WEEKLY | WEEKLY | |
| PERMIT REQUIREMENT | MO AVG | MX WK AV | LBS/DY | ***** | MO AVG | MX WK AV | MG/L | 0 | WEEKLY | WEEKLY | |
| BOD5 CARBONaceous 5 DAY 20C | ***** | ***** | ***** | 97 | ***** | ***** | PERCENT | 0 | 1/30 | CA | |
| PERCENT REMOVAL | ***** | ***** | ***** | ***** | ***** | ***** | PERCENT | 0 | MONTH | MONTH | |
| PERMIT REQUIREMENT | ***** | ***** | ***** | ***** | MO MIN | ***** | PERCENT | 0 | MONTH | MONTH | |
| RELATIVE SUSPENDED SOLIDS | ***** | ***** | ***** | 92 | ***** | ***** | PERCENT | 0 | 1/30 | CA | |
| PERCENT REMOVAL | ***** | ***** | ***** | ***** | ***** | ***** | PERCENT | 0 | MONTH | MONTH | |
| PERMIT REQUIREMENT | ***** | ***** | ***** | ***** | MO MIN | ***** | PERCENT | 0 | MONTH | MONTH | |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 EXHIB. N-1
 H. J. Schardin Jr.
 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.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 502 596 6000
 DATE: 09 05 21

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

Hunting Creek South

INFLUENT

| Date | Flow | Concentration | | | Pounds | | |
|-----------|-------|---------------|-----|-------|---------|---------|--------|
| | | TSS | BOD | NH3 | TSS | BOD | NH3 |
| 4/1/2009 | 0.135 | 72 | 424 | 19 | 81.065 | 477.382 | 21.392 |
| 4/2/2009 | 0.157 | | | | | | |
| 4/3/2009 | 0.375 | | | | | | |
| 4/4/2009 | 0.218 | | | | | | |
| 4/5/2009 | 0.226 | | | | | | |
| 4/6/2009 | 0.226 | | | | | | |
| 4/7/2009 | 0.194 | | | | | | |
| 4/8/2009 | 0.177 | 168 | 176 | 21 | 247.998 | 259.808 | 31.000 |
| 4/9/2009 | 0.163 | | | | | | |
| 4/10/2009 | 0.19 | | | | | | |
| 4/11/2009 | 0.214 | | | | | | |
| 4/12/2009 | 0.185 | | | | | | |
| 4/13/2009 | 0.223 | | | | | | |
| 4/14/2009 | 0.272 | | | | | | |
| 4/15/2009 | 0.22 | 114 | 73 | 23 | 209.167 | 133.940 | 42.200 |
| 4/16/2009 | 0.198 | | | | | | |
| 4/17/2009 | 0.166 | | | | | | |
| 4/18/2009 | 0.173 | | | | | | |
| 4/19/2009 | 0.313 | | | | | | |
| 4/20/2009 | 0.313 | | | | | | |
| 4/21/2009 | 0.241 | | | | | | |
| 4/22/2009 | 0.202 | 200 | 182 | 16 | 336.936 | 306.612 | 26.955 |
| 4/23/2009 | 0.184 | | | | | | |
| 4/24/2009 | 0.172 | | | | | | |
| 4/25/2009 | 0.174 | | | | | | |
| 4/26/2009 | 0.165 | | | | | | |
| 4/27/2009 | 0.155 | | | | | | |
| 4/28/2009 | 0.279 | | | | | | |
| 4/29/2009 | 0.113 | | | | | | |
| 4/30/2009 | 0.157 | | | | | | |
| 5/1/2009 | | | | | | | |
| Average | 0.206 | 139 | 214 | 19.75 | 218.792 | 294.435 | 30.387 |
| Maximum | 0.375 | 200 | 424 | 23.00 | 336.9 | 477.38 | 42.200 |

Hunting Creek South

| Hunting Cr. So. | Report for | Apr-09 | | Tot. Exc.= | | 0 (Influent data below.) | | | | | |
|-----------------|------------|----------------|-------|------------|-------|--------------------------|--------|-------|------------|----------|----------|
| Tot. Flow= | 6.18 | Concentrations | | | | Pounds | | | | | |
| Date | Flow | TSS | BOD | NH3 | Fecal | TSS | BOD | NH3 | Tot. Phos. | TSS Rem | BOD Rem |
| 4/1/09 | 0.135 | 9 | 5 | 0.055 | 1 | 10.133 | 5.630 | 0.062 | | 0.875 | 0.988208 |
| 4/2/09 | 0.157 | | | | | | | | 0.466 | | |
| 4/3/09 | 0.375 | | | | | | | | | | |
| 4/4/09 | 0.218 | | | | | | | | | | |
| 4/5/09 | 0.226 | | | | | | | | | | |
| 4/6/09 | 0.226 | | | | | | | | | | |
| 4/7/09 | 0.194 | | | | | | | | 0.432 | | |
| 4/8/09 | 0.177 | 16 | 10 | 0.055 | 2 | 23.619 | 14.762 | 0.081 | 0.381 | 0.904762 | 0.943182 |
| 4/9/09 | 0.163 | | | | | | | | 0.436 | | |
| 4/10/09 | 0.19 | | | | | | | | | | |
| 4/11/09 | 0.214 | | | | | | | | | | |
| 4/12/09 | 0.185 | | | | | | | | | | |
| 4/13/09 | 0.223 | | | | | | | | | | |
| 4/14/09 | 0.272 | | | | | | | | 0.215 | | |
| 4/15/09 | 0.22 | 14 | 7 | 2.4 | 1 | 25.687 | 12.844 | 4.404 | 0.481 | 0.877193 | 0.90411 |
| 4/16/09 | 0.198 | | | | | | | | 0.470 | | |
| 4/17/09 | 0.166 | | | | | | | | | | |
| 4/18/09 | 0.173 | | | | | | | | | | |
| 4/19/09 | 0.313 | | | | | | | | | | |
| 4/20/09 | 0.313 | | | | | | | | | | |
| 4/21/09 | 0.241 | | | | | | | | 0.436 | | |
| 4/22/09 | 0.202 | 8 | 3 | 0.45 | 1 | 13.477 | 5.054 | 0.758 | 0.414 | 0.96 | 0.983516 |
| 4/23/09 | 0.184 | | | | | | | | 0.523 | | |
| 4/24/09 | 0.172 | | | | | | | | | | |
| 4/25/09 | 0.174 | | | | | | | | | | |
| 4/26/09 | 0.165 | | | | | | | | | | |
| 4/27/09 | 0.155 | | | | | | | | | | |
| 4/28/09 | 0.279 | | | | | | | | | | |
| 4/29/09 | 0.113 | | | | | | | | | | |
| 4/30/09 | 0.157 | | | | | | | | | | |
| 5/1/09 | | | | | | | | | | | |
| Average | 0.206 | 11.75 | 6.25 | 0.74 | 1.19 | 18.23 | 9.57 | 1.33 | 0.43 | 92% | 97% |
| Maximum | 0.375 | 16.00 | 10.00 | 2.40 | 2.00 | 25.69 | 14.76 | 4.40 | 0.52 | | |