

MSD

Metropolitan Sewer District

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

April 24, 2011

Crystal Thompson
DMR Coordinator
200 Fair Oaks Lane
Frankfort, Kentucky 40601

**Re: MSD Metro Operations
Hunting Creek North; WQTC KPDES No.: KY0029106
Discharge Monitoring Reports for March, 2011**

Dear Ms. Thompson:

Attached are the Discharge Monitoring Reports (DMRs) and the Monthly Operator Report (MOR) for the Hunting Creek North WQTC, KPDES No.: KY0029106 for the month of March, 2011

There are no exceedences, overflow reports or bypass reports for this month.

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

Sincerely,



Richard Mills
Process Supervisor -- East Region

RM/HCN 3 11

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 HUNTING CREEK N WQTC MSD
 ADDRESS C/O CEDAR CREEK WQTC
 8405 CEDAR CREEK RD
 LOUISVILLE KY 40211
 FACILITY HUNTING CREEK N WQTC MSD
 LOCATION PROSPECT KY 40059
 ATTN: DENNIS THOMASSON, SR METRO OPS

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

KY0029106
 PERMIT NUMBER

001 1
 DISCHARGE NUMBER

MINOR
 (SUBR LV)
 F - FINAL
 MUNICIPAL DISCHARGE
 EFFLUENT
 *** NO DISCHARGE 1-1-81 ***

JEFFE

| MONITORING PERIOD | | | | | | |
|-------------------|----|-----|----|------|----|-----|
| YEAR | MO | DAY | TO | YEAR | MO | DAY |
| 11 | 03 | 01 | | 11 | 03 | 31 |

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 | 0+279 | 0+462 | (03) | ***** | ***** | ***** | | 0 | CN | CN | |
| 50050 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | REPORT 30DA AVG | REPORT DAILY MX MGD | | ***** | ***** | ***** | **** | | CONTINUOUS | |
| CHLORINE, TOTAL RESIDUAL | ***** | ***** | | ***** | 20.001 | 20.001 | (19) | 0 | 1/7 | GR | |
| 50060 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | 0.011 | 0.019 | MO AVG | DAILY MX | MG/L | |
| COLIFORM, FECAL GENERAL | ***** | ***** | | ***** | 4 | 18 | (13) | 0 | 1/7 | GR | |
| 74055 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | 200 | 400 | #/30DA GEG | 7 DA GEG | 100ML | |
| BOD, CARBONACEOUS 05 DAY, 20C | 387 | 893 | (26) | ***** | 163 | 350 | (19) | 0 | 1/7 | CP | |
| 80062 0 0 0 RAW SEW/INFLUENT | PERMIT REQUIREMENT | REPORT MO AVG | REPORT MX WK AV LBS/DY | | ***** | REPORT MO AVG | REPORT MX WK AV | MG/L | | WEEKLY COMPLIS | |
| BOD, CARBONACEOUS 05 DAY, 20C | 6 | 13 | (26) | ***** | 3 | 5 | (19) | 0 | 1/7 | CP | |
| 80062 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | 30 MO AVG | 45 MX WK AV LBS/DY | | ***** | 10 MO AVG | 15 MX WK AV | MG/L | | WEEKLY COMPLIS | |
| BOD, CARB-5 DAY, 20 DEG C, PERCENT REMOVAL | ***** | ***** | | 98 | ***** | ***** | (23) | 0 | 1/31 | CA | |
| 80091 K 0 0 PERCENT REMOVAL | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | ***** | PER-CENT | | ONCE/MONTH | CALCUL | |
| SOLIDS, SUSPENDED PERCENT REMOVAL | ***** | ***** | | 99 | ***** | ***** | (23) | 0 | 1/31 | CA | |
| 81011 K 0 0 PERCENT REMOVAL | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | ***** | PER-CENT | | ONCE/MONTH | CALCUL | |

| | | | | | | |
|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------|------|---|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER H.T. Schandev 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. | Richard Mills SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE | DATE | | |
| | | | 502 540-6000 AREA CODE NUMBER | 11 | 4 | 27 |

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

JEFFE

*** NO DISCHARGE [] ***

NOTE: Read instructions before completing this form.

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

NAME HUNTING CREEK N WQTC MSD
ADDRESS C/O CEDAR CREEK WQTC
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY HUNTING CREEK N WQTC MSD
LOCATION PROSPECT KY 40059
ATTN: DENNIS THOMASSON, SR METRO OPS

KY0029106
PERMIT NUMBER

001 1
DISCHARGE NUMBER

| MONITORING PERIOD | | | | | | |
|-------------------|----|-----|----|------|----|-----|
| YEAR | MO | DAY | TO | YEAR | MO | DAY |
| 11 | 03 | 01 | | 11 | 03 | 31 |

FROM

TO

| 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) | | ***** | ***** | | 7 | ***** | ***** | (19) | 0 | 1/7 | GR |
| 00300 1 0 0 | SAMPLE MEASUREMENT | | | | 7 | ***** | ***** | | | WEEKLY | GRAB |
| EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | **** | INST MIN | | | MG/L | | | |
| PH | | ***** | ***** | | 7.0 | ***** | 7.6 | (12) | 0 | 1/7 | GR |
| 00400 1 0 0 | SAMPLE MEASUREMENT | | | | 6.0 | ***** | 7.0 | | | WEEKLY | GRAB |
| EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | **** | MINIMUM | | MAXIMUM | 50 | | | |
| SOLIDS, TOTAL SUSPENDED | | 1104 | 3277 | (26) | ***** | 456 | 1284 | (19) | 0 | 1/7 | CP |
| 00530 8 0 0 | SAMPLE MEASUREMENT | | | | ***** | REPORT | REPORT | | | WEEKLY | COMPOS |
| RAW SEW/INFLUENT | PERMIT REQUIREMENT | REPORT | REPORT | LBS/DY | MO AVG | MX WK AV | MX WK AV | MG/L | | | |
| SOLIDS, TOTAL SUSPENDED | | 13 | 36 | (26) | ***** | 5 | 14 | (19) | 0 | 1/7 | CP |
| 00530 1 0 0 | SAMPLE MEASUREMENT | | | | ***** | 30 | 45 | | | WEEKLY | COMPOS |
| EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | 70 | 134 | LBS/DY | MO AVG | MX WK AV | MX WK AV | MG/L | | | |
| NITROGEN, AMMONIA TOTAL (AS N) | | 41 | 64 | (26) | ***** | 19 | 27 | (19) | 0 | 1/7 | CP |
| 00610 8 0 0 | SAMPLE MEASUREMENT | | | | ***** | REPORT | REPORT | | | WEEKLY | COMPOS |
| RAW SEW/INFLUENT | PERMIT REQUIREMENT | REPORT | REPORT | LBS/DY | MO AVG | MX WK AV | MX WK AV | MG/L | | | |
| NITROGEN, AMMONIA TOTAL (AS N) | | 0.6 | 1 | (26) | ***** | 0.3 | 0.5 | (19) | 0 | 1/7 | CP |
| 00610 1 2 0 | SAMPLE MEASUREMENT | | | | ***** | 5 | 7.5 | | | WEEKLY | COMPOS |
| EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | 15 | 22 | LBS/DY | MO AVG | MX WK AV | MX WK AV | MG/L | | | |
| PHOSPHORUS, TOTAL (AS P) | | ***** | ***** | | ***** | 0.26 | 0.32 | (19) | 0 | 5/31 | CP |
| 00665 1 0 0 | SAMPLE MEASUREMENT | | | | ***** | REPORT | REPORT | | | TWICE | COMPOS |
| EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | MO AVG | MX WK AV | MG/L | | MONTH | |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

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

TELEPHONE DATE

HJ Schardein Jr.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

502 540-6000

11 4 27

AREA CODE NUMBER YEAR MO DAY

TYPED OR PRINTED

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

Hunting Creek North

| Date | Flow | INFLUENT Concentration | | | Pounds | | |
|-----------|-------|------------------------|-----|-------|----------|---------|--------|
| | | TSS | BOD | NH3 | TSS | BOD | NH3 |
| 3/1/2011 | 0.353 | | | | | | |
| 3/2/2011 | 0.283 | 188 | 141 | 27 | 443.721 | 332.791 | 63.726 |
| 3/3/2011 | 0.263 | | | | | | |
| 3/4/2011 | 0.251 | | | | | | |
| 3/5/2011 | 0.439 | | | | | | |
| 3/6/2011 | 0.401 | | | | | | |
| 3/7/2011 | 0.309 | | | | | | |
| 3/8/2011 | 0.291 | | | | | | |
| 3/9/2011 | 0.462 | | | | | | |
| 3/10/2011 | 0.37 | | | | | | |
| 3/11/2011 | 0.227 | 118 | 30 | 11 | 223.395 | 56.795 | 20.825 |
| 3/12/2011 | 0.363 | | | | | | |
| 3/13/2011 | 0.297 | | | | | | |
| 3/14/2011 | 0.298 | | | | | | |
| 3/15/2011 | 0.333 | | | | | | |
| 3/16/2011 | 0.306 | 1284 | 350 | 16 | 3276.819 | 893.214 | 40.833 |
| 3/17/2011 | 0.285 | | | | | | |
| 3/18/2011 | 0.224 | | | | | | |
| 3/19/2011 | 0.224 | | | | | | |
| 3/20/2011 | 0.271 | | | | | | |
| 3/21/2011 | 0.251 | | | | | | |
| 3/22/2011 | 0.234 | | | | | | |
| 3/23/2011 | 0.241 | 234 | 132 | 20 | 470.326 | 265.312 | 40.199 |
| 3/24/2011 | 0.219 | | | | | | |
| 3/25/2011 | 0.21 | | | | | | |
| 3/26/2011 | 0.219 | | | | | | |
| 3/27/2011 | 0.225 | | | | | | |
| 3/28/2011 | 0.198 | | | | | | |
| 3/29/2011 | 0.206 | | | | | | |
| 3/30/2011 | 0.206 | | | | | | |
| 3/31/2011 | 0.199 | | | | | | |
| Average | 0.279 | 456 | 163 | 18.50 | 1103.565 | 387.028 | 41.396 |
| Maximum | 0.462 | 1284 | 350 | 27.00 | 3276.8 | 893.21 | 63.726 |

Hunting Creek North

| Hunting Cr. No. | | Report for | Mar-11 | | | | Tot. Exc.= 0 (Influent data below.) | | | | | |
|------------------|-------|----------------|--------|------|-------|--------|-------------------------------------|-------|---------|----------|----------|--|
| Tot. Flow= 8.658 | | Concentrations | | | | | | | Pounds | | | |
| Date | Flow | TSS | BOD | NH3 | Fecal | TSS | BOD | NH3 | T. Phos | TSS Rem | BOD Rem | |
| 3/1/11 | 0.353 | | | | | | | | | | | |
| 3/2/11 | 0.283 | 2 | 2 | 0.45 | 2 | 4.720 | 4.720 | 1.062 | 0.227 | 0.989362 | 0.985816 | |
| 3/3/11 | 0.263 | | | | | | | | | | | |
| 3/4/11 | 0.251 | | | | | | | | | | | |
| 3/5/11 | 0.439 | | | | | | | | | | | |
| 3/6/11 | 0.401 | | | | | | | | | | | |
| 3/7/11 | 0.309 | | | | | | | | | | | |
| 3/8/11 | 0.291 | | | | | | | | | | | |
| 3/9/11 | 0.462 | | | | | | | | | | | |
| 3/10/11 | 0.37 | | | | | | | | | | | |
| 3/11/11 | 0.227 | 3 | 2 | 0.28 | 5 | 5.680 | 3.786 | 0.530 | 0.243 | 0.974576 | 0.933333 | |
| 3/12/11 | 0.363 | | | | | | | | | | | |
| 3/13/11 | 0.297 | | | | | | | | | | | |
| 3/14/11 | 0.298 | | | | | | | | | | | |
| 3/15/11 | 0.333 | | | | | | | | | | | |
| 3/16/11 | 0.306 | 14 | 5 | 0.17 | 18 | 35.729 | 12.760 | 0.434 | 0.323 | 0.989097 | 0.985714 | |
| 3/17/11 | 0.285 | | | | | | | | | | | |
| 3/18/11 | 0.224 | | | | | | | | | | | |
| 3/19/11 | 0.224 | | | | | | | | | | | |
| 3/20/11 | 0.271 | | | | | | | | | | | |
| 3/21/11 | 0.251 | | | | | | | | | | | |
| 3/22/11 | 0.234 | | | | | | | | | | | |
| 3/23/11 | 0.241 | 2 | 2 | 0.22 | 1 | 4.020 | 4.020 | 0.442 | 0.259 | 0.991453 | 0.984848 | |
| 3/24/11 | 0.219 | | | | | | | | | | | |
| 3/25/11 | 0.21 | | | | | | | | | | | |
| 3/26/11 | 0.219 | | | | | | | | | | | |
| 3/27/11 | 0.225 | | | | | | | | | | | |
| 3/28/11 | 0.198 | | | | | | | | | | | |
| 3/29/11 | 0.206 | | | | | | | | | | | |
| 3/30/11 | 0.206 | | | | | | | | 0.272 | | | |
| 3/31/11 | 0.199 | | | | | | | | | | | |
| Average | 0.279 | 5.25 | 2.75 | 0.28 | 3.66 | 12.54 | 6.32 | 0.62 | 0.26 | 99% | 98% | |
| Maximum | 0.462 | 14.00 | 5.00 | 0.45 | 18.00 | 35.73 | 12.76 | 1.06 | 0.32 | | | |