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*

February 22, 2011

Ms. Crystal Thompson
Kentucky Division of Water
200 Fair Oaks Lane, 4th Floor
Frankfort, Kentucky 40601

**Re: MSD Metro Operations**
**Chenoweth Hills WQTC; KPDES No.: KY0029459**
**Discharge Monitoring Reports – January 2011**

Dear Ms. Thompson:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Chenoweth Hills WQTC, KPDES No.: KY0029459 for the month of January 2011.

There were no exceedences, bypasses or overflows.

If you have any questions concerning the attached DMRs, please contact me at (502) 239-7574.

Sincerely,

Duane V. Wright

Duane V. Wright
Process Supervisor Central Region

DVW/Chenoweth Hills 1.11

Enclosures

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

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME CHENOWETH HILLS WQTC MSD
ADDRESS C/O CEDAR CREEK WQTC
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY CHENOWETH HILLS WQTC MSD
LOCATION JEFFERSONTOWN KY 40299
ATTN: DENNIS THOMASSON, SR METRO OPS

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

KY0029459 — PERMIT NUMBER
001 1 — DISCHARGE NUMBER

MONITORING PERIOD

| | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 11 | 01 | 01 | TO | 11 | 01 | 30 |

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

Form Approved.
OMB No. 2040-0004

JEFFE

**NOTE: Read Instructions before completing this form.**

| PARAMETER | | QUANTITY OR LOADING AVERAGE | QUANTITY OR LOADING MAXIMUM | QUANTITY OR LOADING UNITS | QUALITY OR CONCENTRATION MINIMUM | QUALITY OR CONCENTRATION AVERAGE | QUALITY OR CONCENTRATION MAXIMUM | QUALITY OR CONCENTRATION UNITS | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OXYGEN, DISSOLVED (DO) | SAMPLE MEASUREMENT | ****** | ****** | | 7 | ****** | ****** | ( 17) | 0 | 01/07 | GR |
| 00300 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ****** | ****** | **** **** | 7 INST MIN | ****** | ****** | MG/L | | WEEKLY | GRAB |
| PH | SAMPLE MEASUREMENT | ****** | ****** | | 7.2 | ****** | 7.5 | ( 12) | 0 | 01/07 | GR |
| 00400 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ****** | ****** | **** **** | 6.0 MINIMUM | ****** | 9.0 MAXIMUM | SU | | WEEKLY | GRAB |
| SOLIDS, TOTAL SUSPENDED | SAMPLE MEASUREMENT | 17 | 34 | ( 26) | ****** | 15 | 23 | ( 17) | 0 | 01/07 | CP |
| 00530 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | 50 30DA AVG | 100 DAILY MX | LBS/DY | ****** | 30 30DA AVG | 60 DAILY MX | MG/L | | WEEKLY | COMPUS |
| NITROGEN, AMMONIA TOTAL (AS N) | SAMPLE MEASUREMENT | 0.3 | 0.4 | ( 26) | ****** | 0.3 | 0.4 | ( 17) | 0 | 01/07 | CP |
| 00610 1 2 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | 16.7 30DA AVG | 33.4 DAILY MX | LBS/DY | ****** | 10 30DA AVG | 20 DAILY MX | MG/L | | WEEKLY | COMPUS |
| PHOSPHORUS, TOTAL (AS P) | SAMPLE MEASUREMENT | ****** | ****** | | ****** | 3.0 | 3.8 | ( 17) | 0 | 01/07 | CP |
| 00665 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ****** | ****** | **** **** | ****** | REPORT MO AVG | REPORT DAILY MX | MG/L | | WEEKLY | COMPUS |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT | SAMPLE MEASUREMENT | 0.111 | 0.281 | ( 03) | ****** | ****** | ****** | | 0 | CN | CN |
| 50050 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | REPORT 30DA AVG | REPORT INST MAX | MGD | ****** | ****** | ****** | **** **** | | CONTINUOUS | CONTIN |
| CHLORINE, TOTAL RESIDUAL | SAMPLE MEASUREMENT | ****** | ****** | | ****** | <0.010 | <0.010 | ( 17) | 0 | 01/07 | GR |
| 50060 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ****** | ****** | **** **** | ****** | 0.011 30DA AVG | 0.017 DAILY MX | MG/L | | WEEKLY | GRAB |

**NAME/TITLE PRINCIPAL EXECUTIVE OFFICER**
H. J. SCHARDEIN, JR.
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.

Signature of Principal Executive Officer or Authorized Agent

**TELEPHONE** — AREA CODE 502 NUMBER 5416000

**DATE** — YEAR 11 MO 2 DAY 28

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

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME CHENOWETH HILLS WQTC MSD
ADDRESS C/O CEDAR CREEK WQTC
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
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LOCATION JEFFERSONTOWN KY 40299
ATTN: DENNIS THOMASSON, SR METRO OPS

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

KY0029459 — PERMIT NUMBER
001 1 — DISCHARGE NUMBER

MONITORING PERIOD

| | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 11 | 01 | 01 | TO | 11 | 01 | 31 |

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

Form Approved.
OMB No. 2040-0004

JEFFE

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|---|---|---|---|---|---|---|---|---|---|---|---|
| COLIFORM, FECAL GENERAL | SAMPLE MEASUREMENT | ****** | ****** | | ****** | 2 | 3 | ( 13) | 0 | 01/07 | GR |
| 74055 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ****** | ****** **** | **** | ****** | 200 30DA GEO | 400 #/ 7 DA GEO | 100ML | | WEEKLY | GRAB |
| BOD, CARBONACEOUS 05 DAY, 20C | SAMPLE MEASUREMENT | 7 | 8 | ( 26) | ****** | 7 | 9 | ( 19) | 0 | 01/07 | CP |
| 80082 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | 50 30DA AVG | 100 DAILY MX | LBS/DY | ****** | 30 30DA AVG | 60 DAILY MX | MG/L | | WEEKLY | COMPOS |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |

**NAME/TITLE PRINCIPAL EXECUTIVE OFFICER**
H.J. SCHARDEIN, JR.
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.

Dianne V. Wright
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

**TELEPHONE**
AREA CODE 502 NUMBER 540-6000

**DATE**
YEAR 11 MO 2 DAY 28

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

**Chenoweth Hills** Report for **Jan-11** Tot. Exc.= 0

| Tot. Flow= | 3.438 | Concentrations | | | | Pounds | | | |
|---|---|---|---|---|---|---|---|---|---|
| Date | Flow | TSS | BOD | NH3 | Fecal | TSS | BOD | NH3 | Tot. Phos. |
| 1/1/11 | 0.281 | | | | | | | | |
| 1/2/11 | 0.176 | 23 | 5 | 0.22 | 2 | 33.76032 | 7.3392 | 0.322925 | 2.23 |
| 1/3/11 | 0.13 | | | | | | | | |
| 1/4/11 | 0.119 | | | | | | | | |
| 1/5/11 | 0.093 | | | | | | | | |
| 1/6/11 | 0.097 | | | | | | | | |
| 1/7/11 | 0.082 | | | | | | | | |
| 1/8/11 | 0.102 | | | | | | | | |
| 1/9/11 | 0.112 | 4 | 6 | 0.39 | 2 | 3.73632 | 5.60448 | 0.364291 | 2.89 |
| 1/10/11 | 0.084 | | | | | | | | |
| 1/11/11 | 0.091 | | | | | | | | |
| 1/12/11 | 0.087 | | | | | | | | |
| 1/13/11 | 0.083 | | | | | | | | |
| 1/14/11 | 0.083 | | | | | | | | |
| 1/15/11 | 0.099 | | | | | | | | |
| 1/16/11 | 0.099 | | | | | | | | |
| 1/17/11 | 0.099 | 11 | 9 | 0.34 | 3 | 9.08226 | 7.43094 | 0.280724 | 3.82 |
| 1/18/11 | 0.122 | | | | | | | | |
| 1/19/11 | 0.115 | | | | | | | | |
| 1/20/11 | 0.104 | | | | | | | | |
| 1/21/11 | 0.107 | | | | | | | | |
| 1/22/11 | 0.112 | | | | | | | | |
| 1/23/11 | 0.117 | 23 | 8 | 0.39 | 1 | 22.44294 | 7.80624 | 0.380554 | 3.21 |
| 1/24/11 | 0.094 | | | | | | | | |
| 1/25/11 | 0.1 | | | | | | | | |
| 1/26/11 | 0.112 | | | | | | | | |
| 1/27/11 | 0.099 | | | | | | | | |
| 1/28/11 | 0.106 | | | | | | | | |
| 1/29/11 | 0.118 | | | | | | | | |
| 1/30/11 | 0.118 | | | | | | | | |
| 1/31/11 | 0.097 | | | | | | | | |
| Average | 0.111 | 15.25 | 7.00 | 0.34 | 1.86 | 17.26 | 7.05 | 0.34 | 3.04 |
| Maximum | 0.281 | 23.00 | 9.00 | 0.39 | 3.00 | 33.76 | 7.81 | 0.38 | 3.82 |