



**Metropolitan Sewer District**

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

September 21, 2010

Ms. Carolena Bentley, DMR Coordinator  
Kentucky Division of Water  
200 Fair Oaks Lane, 4<sup>th</sup> Floor  
Frankfort, Kentucky 40601

**Re: MSD Metro Operations  
Lake Forest WQTC (aka Chenoweth Run WQTC)  
KPDES No.: KY0042226  
Discharge Monitoring Reports – August 2010**

Dear Ms. Bentley:

Attached is the Discharge Monitoring Reports (DMRs) and the Monthly Operating Report (MOR) for the Lake Forest WQTC (aka Chenoweth Run WQTC), KPDES No.: KY0042226 for the month of August 2010.

Also is attached a overflow report.

There were no exceedences or bypasses.

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

Sincerely,

Duane V. Wright  
Process Supervisor Central Region

DVW/ Lake Forest 08.10

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)

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

NAME CHENOWETH RUN WQTC  
ADDRESS C/O CEDAR CREEK WQTC  
8405 CEDAR CREEK RD  
LOUISVILLE KY 40211  
FACILITY CHENOWETH RUN WQTC  
LOCATION LOUISVILLE KY 40223  
ATTN: DENNIS THOMASSON, SR METRO OPS

KY0042226  
PERMIT NUMBER

001 2  
DISCHARGE NUMBER

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

| MONITORING PERIOD |      |    |     |    |      |    |     |
|-------------------|------|----|-----|----|------|----|-----|
| FROM              | YEAR | MO | DAY | TO | YEAR | MO | DAY |
|                   | 10   | 00 | 01  |    | 10   | 00 | 01  |

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  |        |                       |             |
| OXYGEN, DISSOLVED (DO)                   | *****              | *****               |         |        | 8                        | *****   | *****   | ( 17 ) | 0      | %07                   | GR          |
| 00300 1 0 0<br>EFFLUENT GROSS VALUE      | PERMIT REQUIREMENT | *****               | *****   | ****   | INST MIN                 | *****   | *****   | MG/L   |        | WEEKLY                | GRAB        |
| PH                                       | *****              | *****               |         |        | 6.8                      | *****   | 7.0     | ( 12 ) | 0      | %07                   | GR          |
| 00400 1 0 0<br>EFFLUENT GROSS VALUE      | PERMIT REQUIREMENT | *****               | *****   | ****   | MINIMUM                  | *****   | MAXIMUM | 5U     |        | WEEKLY                | GRAB        |
| SOLIDS, TOTAL SUSPENDED                  | *****              | *****               |         | ( 26 ) | *****                    | *****   | *****   | ( 17 ) | 0      | %07                   | CP          |
| 00500 1 0 0<br>EFFLUENT GROSS VALUE      | PERMIT REQUIREMENT | 118                 | 236     | LBS/DY | 30                       | 30      | 30      | MG/L   |        | WEEKLY                | COMPOS      |
| NITROGEN, AMMONIA TOTAL (AS N)           | *****              | *****               |         | ( 26 ) | *****                    | *****   | *****   | ( 17 ) | 0      | %07                   | CP          |
| 00610 1 1 0<br>EFFLUENT GROSS VALUE      | PERMIT REQUIREMENT | 7.84                | 15.7    | LBS/DY | 30                       | 30      | 30      | MG/L   |        | WEEKLY                | COMPOS      |
| PHOSPHORUS, TOTAL (AS P)                 | *****              | *****               |         |        | *****                    | *****   | *****   | ( 17 ) | 0      | %07                   | CP          |
| 00665 1 0 0<br>EFFLUENT GROSS VALUE      | PERMIT REQUIREMENT | *****               | *****   | ****   | REPORT                   | REPORT  | REPORT  | MG/L   |        | WEEKLY                | COMPOS      |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT | *****              | *****               |         | ( 03 ) | *****                    | *****   | *****   |        | 0      | CN                    | CN          |
| 00090 1 0 0<br>EFFLUENT GROSS VALUE      | PERMIT REQUIREMENT | REPORT              | REPORT  | MGD    | *****                    | *****   | *****   | ****   |        | CONTINUOUS            | AN          |
| CHLORINE, TOTAL RESIDUAL                 | *****              | *****               |         |        | *****                    | *****   | *****   | ( 17 ) | 0      | %07                   | GR          |
| 00060 1 0 0<br>EFFLUENT GROSS VALUE      | PERMIT REQUIREMENT | *****               | *****   | ****   | *****                    | *****   | *****   | 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.

*Dennis Thomason, Sr.*  
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

| TELEPHONE        | DATE        |
|------------------|-------------|
| 302 540 6000     | 10 9 23     |
| 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)

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

NAME CHENOWETH RUN WGTG  
ADDRESS C/O CEDAR CREEK WGTG  
8405 CEDAR CREEK RD  
LOUISVILLE KY 40211  
FACILITY CHENOWETH RUN WGTG  
LOCATION LOUISVILLE KY 40223  
ATTN: DENNIS THOMASSON, SR METRO OPS

RY0042222b  
PERMIT NUMBER

001 2  
DISCHARGE NUMBER

MINOR (SUBR LV)  
F - FINAL  
SANITARY WASTEWATER EFFLUENT  
\*\*\* NO DISCHARGE 1 1 \*\*\*  
JEFFE

| MONITORING PERIOD |    |     |    |      |    |     |
|-------------------|----|-----|----|------|----|-----|
| YEAR              | MO | DAY | TO | YEAR | MO | DAY |
| 10                | 02 | 01  |    | 10   | 02 | 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  |        |                       |             |
| COLIFORM, FECA<br>GENERAL<br>14055 1 0 0<br>EFFLUENT GROSS VALUE       |   | *****               | *****    |          | *****                    | 3        | 9        | ( 18 ) |        | 0 %                   | GR          |
|  |   | PERMIT REQUIREMENT  | *****    | ****     | *****                    | 200      | 400      | 100ML  |        | WEEKLY                | GRAB        |
| BOD, CARBONACEOUS<br>5 DAY, 20C<br>80082 1 0 0<br>EFFLUENT GROSS VALUE |   | 5.3                 | 5.6      | ( 26 )   | *****                    | 2        | 2        | ( 19 ) |        | 0 %                   | CP          |
|  |   | PERMIT REQUIREMENT  | 39.2     | 78.4     | *****                    | 10       | 20       |        |        | WEEKLY                | COMPOUND    |
|  |   |                     | GODA AVG | DAILY MX |                          | GODA AVG | DAILY MX | MG/L   |        |                       |             |
|  |   | SAMPLE MEASUREMENT  |          |          |                          |          |          |        |        |                       |             |
|  |   | PERMIT REQUIREMENT  |          |          |                          |          |          |        |        |                       |             |
|  |   | SAMPLE MEASUREMENT  |          |          |                          |          |          |        |        |                       |             |
|  |   | PERMIT REQUIREMENT  |          |          |                          |          |          |        |        |                       |             |
|  |   | SAMPLE MEASUREMENT  |          |          |                          |          |          |        |        |                       |             |
|  |   | PERMIT REQUIREMENT  |          |          |                          |          |          |        |        |                       |             |
|  |   | SAMPLE MEASUREMENT  |          |          |                          |          |          |        |        |                       |             |
|  |   | PERMIT REQUIREMENT  |          |          |                          |          |          |        |        |                       |             |
|  |   | SAMPLE MEASUREMENT  |          |          |                          |          |          |        |        |                       |             |
|  |   | PERMIT REQUIREMENT  |          |          |                          |          |          |        |        |                       |             |

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*H. J. Schardein Jr.*  
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 502 540 6000  
DATE 9 23  
AREA CODE NUMBER YEAR MO DAY

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

| <b>LAKE FOREST</b> |        | Report for | <b>Aug-10</b>  |      | Tot. Exc.= |       | 0      |       |        |  |
|--------------------|--------|------------|----------------|------|------------|-------|--------|-------|--------|--|
| Tot. Flow=         | 10.253 |            | Concentrations |      |            |       | Pounds |       | Conc.  |  |
| Date               | Flow   | TSS        | BOD            | NH3  | Fecal      | TSS   | BOD    | NH3   | T Phos |  |
| 8/1/10             | 0.346  |            |                |      |            |       |        |       |        |  |
| 8/2/10             | 0.342  |            |                |      |            |       |        |       |        |  |
| 8/3/10             | 0.324  | 2          | 2              | 0.17 | 2          | 5.404 | 5.404  | 0.459 | 4.11   |  |
| 8/4/10             | 0.273  |            |                |      |            |       |        |       |        |  |
| 8/5/10             | 0.317  |            |                |      |            |       |        |       |        |  |
| 8/6/10             | 0.298  |            |                |      |            |       |        |       |        |  |
| 8/7/10             | 0.31   |            |                |      |            |       |        |       |        |  |
| 8/8/10             | 0.32   |            |                |      |            |       |        |       |        |  |
| 8/9/10             | 0.286  |            |                |      |            |       |        |       |        |  |
| 8/10/10            | 0.298  | 2          | 2              | 0.34 | 2          | 4.971 | 4.971  | 0.845 | 4.44   |  |
| 8/11/10            | 0.312  |            |                |      |            |       |        |       |        |  |
| 8/12/10            | 0.312  |            |                |      |            |       |        |       |        |  |
| 8/13/10            | 0.337  |            |                |      |            |       |        |       |        |  |
| 8/14/10            | 0.454  |            |                |      |            |       |        |       |        |  |
| 8/15/10            | 0.393  |            |                |      |            |       |        |       |        |  |
| 8/16/10            | 0.37   |            |                |      |            |       |        |       |        |  |
| 8/17/10            | 0.338  | 2          | 2              | 0.28 | 9          | 5.638 | 5.638  | 0.789 | 4.18   |  |
| 8/18/10            | 0.329  |            |                |      |            |       |        |       |        |  |
| 8/19/10            | 0.324  |            |                |      |            |       |        |       |        |  |
| 8/20/10            | 0.3    |            |                |      |            |       |        |       |        |  |
| 8/21/10            | 0.414  |            |                |      |            |       |        |       |        |  |
| 8/22/10            | 0.377  |            |                |      |            |       |        |       |        |  |
| 8/23/10            | 0.345  |            |                |      |            |       |        |       |        |  |
| 8/24/10            | 0.309  | 2          | 2              | 0.39 | 2          | 5.154 | 5.154  | 1.005 | 3.91   |  |
| 8/25/10            | 0.315  |            |                |      |            |       |        |       |        |  |
| 8/26/10            | 0.316  |            |                |      |            |       |        |       |        |  |
| 8/27/10            | 0.296  |            |                |      |            |       |        |       |        |  |
| 8/28/10            | 0.335  |            |                |      |            |       |        |       |        |  |
| 8/29/10            | 0.341  |            |                |      |            |       |        |       |        |  |
| 8/30/10            | 0.325  |            |                |      |            |       |        |       |        |  |
| 8/31/10            | 0.297  |            |                |      |            |       |        |       |        |  |
| Average            | 0.331  | 2.00       | 2.00           | 0.30 | 2.91       | 5.29  | 5.29   | 0.77  | 4.16   |  |
| Maximum            | 0.454  | 2.00       | 2.00           | 0.39 | 9.00       | 5.64  | 5.64   | 1.01  | 4.44   |  |



Metropolitan Sewer District

Initiated Aug 01, 2010 12:00 AM thru Aug 31, 2010 11:59 PM

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

|                      |                        |   |   |                |
|----------------------|------------------------|---|---|----------------|
| KPDES #<br>KY0042226 | Facility ID<br>MSD0403 | Water Quality Treatment Center<br>CHENOWETH RUN | Receiving Stream of Treatment Center<br>CHENOWETH RUN | Region<br>CENT |
|----------------------|------------------------|---|---|----------------|

|                                 |                          |  |  |                                   |                             |
|---------------------------------|--------------------------|--|--|-----------------------------------|-----------------------------|
| Facility Type<br>SMN Sewer Main | Facility ID<br>80351C-AG | Facility Address<br>14307 WAKEFIELD PL | If Pump Station, Name of Pump Station: | Receiving Stream<br>CHENOWETH RUN | Discharge to<br>CATCH BASIN |
|---------------------------------|--------------------------|--|--|-----------------------------------|-----------------------------|

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status              | Event Date | Problem            | Result                          | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|---------------------------|------------|--------------------|---------------------------------|-------------------|-----------|
| DISDW: DRY WEATHER DISCHARGE | 1119740 | 08/11/10 09:18 AM | SINGLETON    | WRIGHT      | REPAIRED - ISSUE RESOLVED | 08/11/10   | STRUCTURAL FAILURE | UNAUTHORIZED DISCHARGE - WATERS | 08/11/10 02:00 PM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 1,410 GAL   |
| Cause:            | FORCE MAIN BREAK                                      |
| Clean Up:         | NO DEBRIS TO CLEAN UP                                 |
| Control Zone:     | TEMPORARY SIGNS PLACED AROUND THE AREA                |
| Impact:           | NO DEBRIS OBSERVED                                    |
| Repair:           | MSD HAULED STATION UNTIL CONTRACTOR COMPLETES REPAIRS |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 08/11/10 11:16 AM | DISPUB | TEMPORARY SIGNS PLACED AROUND THE AREA   |
| 08/11/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 08/11/10 01:00 AM | 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: 9  
Total Work Orders Printed: 10