



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

January 20, 2012

Ms. Cheryl Edwards  
Kentucky Division of Water  
200 Fair Oaks Lane  
Frankfort, Kentucky 40601

**Re: MSD Metro Operations**  
**McNeely Lake WQTC; KPDES No.: KY0029416**  
**Discharge Monitoring Reports – December 2011.**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Reports (DMRs) and the Monthly Operating Report (MOR) for the McNeely Lake WQTC, KPDES No.: KY0029416 for the month of December 2011.

There were no exceedences, bypasses or overflow reports during the month of December for the McNeely Lake WQTC.

If you have any questions concerning the attached DMRs, please contact me at (502) 540-6031.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Kessel", written over a series of horizontal lines.

John Kessel  
Process Supervisor, West region

JMK/McNeely Lake 1211

Enclosures

cc: T. Singleton  
R. Shaw  
C. Roth



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

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

NAME MCNEELY LAKE WQTC MSD

ADDRESS C/O CEDAR CREEK WQTC

8405 CEDAR CREEK RD

LOUISVILLE

KY 40211

FACILITY MCNEELY LAKE WQTC MSD

LOCATION LOUISVILLE

KY 00000

ATTN: DENNIS THOMASSON, SR METRO OPS

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

KY0029416

PERMIT NUMBER

001 1

DISCHARGE NUMBER

MINOR

(SUBR LV)

F - FINAL

SANITARY WASTEWATER

EFFLUENT

\*\*\* NO DISCHARGE \*\*\*

NOTE: Read Instructions before completing this form.

Form Approved:  
OMB No. 2040-0004

JEFF

| MONITORING PERIOD |       |       |       |    |       |       |       |
|-------------------|-------|-------|-------|----|-------|-------|-------|
| FROM              | YEAR  | MO    | DAY   | TO | YEAR  | MO    | DAY   |
|                   | 11 11 | 11 11 | 11 11 |    | 11 11 | 11 11 | 11 11 |

| PARAMETER                                                                   |                    | 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 | *****                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | *****    |        | 7                        | *****                                                        | *****       | 1.17   | 0      | 01/02                 | GR          |
| 00300 1 0 0                                                                 | PERMIT REQUIREMENT | *****                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | *****    | ****   | INST MIN                 | *****                                                        | *****       | MG/L   |        |                       |             |
| EFFLUENT GROSS VALUE                                                        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |        |                          |                                                              |             |        |        |                       |             |
| PH                                                                          | SAMPLE MEASUREMENT | *****                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | *****    |        | 6.6                      | *****                                                        | 9           | 1.17   | 0      | 01/02                 | GR          |
| 00400 1 0 0                                                                 | PERMIT REQUIREMENT | *****                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | *****    | ****   | D.O. MINIMUM             | *****                                                        | 7.0 MAXIMUM | SV     |        |                       |             |
| EFFLUENT GROSS VALUE                                                        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |        |                          |                                                              |             |        |        |                       |             |
| SOLIDS, TOTAL SUSPENDED                                                     | SAMPLE MEASUREMENT | 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 26       | 1.25   | *****                    | 12                                                           | 19          | 1.17   | 0      | 01/02                 | CP          |
| 00530 1 0 0                                                                 | PERMIT REQUIREMENT | 51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 100      |        | *****                    | SV                                                           | SV          |        |        |                       |             |
| EFFLUENT GROSS VALUE                                                        |                    | 30DA AVG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DAILY MX | LBS/DY |                          | 30DA AVG                                                     | DAILY MX    | MG/L   |        |                       |             |
| NITROGEN, AMMONIA TOTAL (AS N)                                              | SAMPLE MEASUREMENT | 0.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.6      | 1.25   | *****                    | 0.3                                                          | 0.5         | 1.17   | 0      | 01/02                 | CP          |
| 00610 1 2 0                                                                 | PERMIT REQUIREMENT | 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 34       |        | *****                    | 10                                                           | 20          |        |        |                       |             |
| EFFLUENT GROSS VALUE                                                        |                    | 30DA AVG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DAILY MX | LBS/DY |                          | 30DA AVG                                                     | DAILY MX    | MG/L   |        |                       |             |
| PHOSPHORUS, TOTAL (AS P)                                                    | SAMPLE MEASUREMENT | *****                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | *****    |        | *****                    | 2.2                                                          | 3.4         | 1.17   | 0      | 01/02                 | CP          |
| 00665 1 0 0                                                                 | PERMIT REQUIREMENT | *****                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | *****    | ****   | *****                    | REPORT                                                       | REPORT      |        |        |                       |             |
| EFFLUENT GROSS VALUE                                                        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |        |                          | 30DA AVG                                                     | DAILY MX    | MG/L   |        |                       |             |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT                                    | SAMPLE MEASUREMENT | 0.157                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.542    | 1.93   | *****                    | *****                                                        | *****       |        | 0      | 01/02                 | CP          |
| 00950 1 0 0                                                                 | PERMIT REQUIREMENT | REPORT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | REPORT   |        | *****                    | *****                                                        | *****       | ***    |        |                       |             |
| EFFLUENT GROSS VALUE                                                        |                    | 30DA AVG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | INST MAX | MGD    |                          |                                                              |             | ***    |        |                       |             |
| CHLORINE, TOTAL RESIDUAL                                                    | SAMPLE MEASUREMENT | *****                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | *****    |        | *****                    | <0.010                                                       | <0.010      | 1.17   | 0      | 01/02                 | GR          |
| 00960 1 0 0                                                                 | PERMIT REQUIREMENT | *****                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | *****    | ****   | *****                    | 0.011                                                        | 0.017       |        |        |                       |             |
| EFFLUENT GROSS VALUE                                                        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |        |                          | 30DA AVG                                                     | DAILY MX    | MG/L   |        |                       |             |
| 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. |          |        |                          | TELEPHONE                                                    |             | DATE   |        |                       |             |
| TYPED OR PRINTED                                                            |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |        |                          |                                                              |             |        |        |                       |             |
| COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |        |                          | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT |             |        |        |                       |             |
|                                                                             |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |        |                          | AREA CODE                                                    |             | NUMBER |        |                       |             |
|                                                                             |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |        |                          |                                                              |             |        |        |                       |             |

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LOUISVILLE

KY 40211

FACILITY MCNEELY LAKE WQTC MSD

LOCATION LOUISVILLE

KY 40000

ATTN: DENNIS THOMASSON, SR METRO OPS

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

AY0027418

PERMIT NUMBER

001 1

DISCHARGE NUMBER

MINOR

(SUBR LV)

F - FINAL

SANITARY WASTEWATER

EFFLUENT

\*\*\* NO DISCHARGE \*\*\*

Form Approved.  
OMB No. 2040-0004

JEFF

MONITORING PERIOD

FROM

| YEAR | MO | DAY |
|------|----|-----|
| 11   | 11 | 01  |

TO

| YEAR | MO | DAY |
|------|----|-----|
| 11   | 11 | 01  |

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| PARAMETER            |                    | QUANTITY OR LOADING |          |       | QUALITY OR CONCENTRATION |          |          |       | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|----------------------|--------------------|---------------------|----------|-------|--------------------------|----------|----------|-------|--------|-----------------------|-------------|
|                      |                    | AVERAGE             | MAXIMUM  | UNITS | MINIMUM                  | AVERAGE  | MAXIMUM  | UNITS |        |                       |             |
| COLIFORM, FECAL      | SAMPLE MEASUREMENT | *****               | *****    |       | *****                    | 7        | 26       |       | 0      | 0/07                  | GR          |
| GENERAL              | PERMIT REQUIREMENT | *****               | *****    | ***   | *****                    | 30DA GED | 7 DA GED | 100ML |        |                       |             |
| 74055 1 0 0          |                    |                     |          |       |                          |          |          |       |        |                       |             |
| EFFLUENT GROSS VALUE |                    |                     |          | ***   |                          |          |          |       |        |                       |             |
| BOD, CARBONACEOUS    | SAMPLE MEASUREMENT | 7                   | 12       | 20    | *****                    | 6        | 7        |       | 0      | 0/07                  | CP          |
| 05 DAY, 20C          | PERMIT REQUIREMENT | 30DA AVG            | DAILY MX | SS/DY | *****                    | 30DA AVG | DAILY MX | MG/L  |        |                       |             |
| 30082 1 0 0          |                    |                     |          |       |                          |          |          |       |        |                       |             |
| EFFLUENT GROSS VALUE |                    |                     |          |       |                          |          |          |       |        |                       |             |
|                      | 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

Greg C. Helton, PE  
Industrial Eng Dir

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

DATE

502 580-6000

12 01 18

AREA CODE NUMBER YEAR MO DAY

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

|              |         |            |                |       |            |        |        |       |            |
|--------------|---------|------------|----------------|-------|------------|--------|--------|-------|------------|
| McNeely Lake |         | Report for | Dec-11         |       | Tot. Exc.= | 0      |        |       |            |
| Tot. Flow=   | 4.85623 |            | Concentrations |       |            |        | Pounds |       |            |
| Date         | Flow    | TSS        | BOD            | NH3   | Fecal      | TSS    | BOD    | NH3   | Tot. Phos. |
| 12/1/11      | 0.169   | 16         | 5              | 0.22  |            | 22.598 | 7.062  | 0.311 | 1.08       |
| 12/2/11      | 0.137   |            |                |       | 26         |        |        |       |            |
| 12/3/11      | 0.127   |            |                |       |            |        |        |       |            |
| 12/4/11      | 0.142   |            |                |       |            |        |        |       |            |
| 12/5/11      | 0.542   |            |                |       |            |        |        |       |            |
| 12/6/11      | 0.364   |            |                |       |            |        |        |       |            |
| 12/7/11      | 0.224   |            |                |       |            |        |        |       |            |
| 12/8/11      | 0.163   | 19         | 9              | 0.056 |            | 25.892 | 12.265 | 0.076 | 0.835      |
| 12/9/11      | 0.131   |            |                |       | 4          |        |        |       |            |
| 12/10/11     | 0.123   |            |                |       |            |        |        |       |            |
| 12/11/11     | 0.128   |            |                |       |            |        |        |       |            |
| 12/12/11     | 0.118   |            |                |       |            |        |        |       |            |
| 12/13/11     | 0.117   |            |                |       |            |        |        |       |            |
| 12/14/11     | 0.108   |            |                |       |            |        |        |       |            |
| 12/15/11     | 0.119   | 7          | 5              | 0.45  |            | 6.926  | 4.947  | 0.445 | 3.3        |
| 12/16/11     | 0.103   |            |                |       | 25         |        |        |       |            |
| 12/17/11     | 0.115   |            |                |       |            |        |        |       |            |
| 12/18/11     | 0.114   |            |                |       |            |        |        |       |            |
| 12/19/11     | 0.101   |            |                |       |            |        |        |       |            |
| 12/20/11     | 0.101   |            |                |       |            |        |        |       |            |
| 12/21/11     | 0.116   |            |                |       |            |        |        |       |            |
| 12/22/11     | 0.150   | 5          | 3              | 0.45  |            | 6.238  | 3.743  | 0.561 | 3.43       |
| 12/23/11     | 0.170   |            |                |       | 1          |        |        |       |            |
| 12/24/11     | 0.148   |            |                |       |            |        |        |       |            |
| 12/25/11     | 0.122   |            |                |       |            |        |        |       |            |
| 12/26/11     | 0.125   |            |                |       |            |        |        |       |            |
| 12/27/11     | 0.200   |            |                |       |            |        |        |       |            |
| 12/28/11     | 0.171   |            |                |       |            |        |        |       |            |
| 12/29/11     | 0.149   |            |                |       |            |        |        |       |            |
| 12/30/11     | 0.131   |            |                |       |            |        |        |       |            |
| 12/31/11     | 0.127   |            |                |       |            |        |        |       |            |
| Average      | 0.157   | 11.75      | 5.50           | 0.29  | 7.14       | 15.41  | 7.00   | 0.35  | 2.16       |
| Maximum      | 0.542   | 19.00      | 9.00           | 0.45  | 26.00      | 25.89  | 12.26  | 0.56  | 3.43       |
| Exceed.      | 3       | 0          | 0              | 0     | 0          | 0      | 0      | 0     |            |