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

MSD
Metropolitan Sewer District

January 13, 2013

Cheryl Edwards
DMR Coordinator
200 Fair Oaks Lane
Frankfort, Kentucky 40601

**Re: MSD Metro Operations**
**Timber Lake WQTC; KPDES No.: KY 0043087**
**Discharge Monitoring Report for December of 2012**

Dear Ms. Edwards:

Attached is the Discharge Monitoring Reports (DMRs) and the Monthly Operator Report (MOR) for the Timber Lake WQTC; KPDES No.: KY0043087 for the month of December .2012

There were no exceedences, bypasses or overflows to report.

If you have any questions concerning the attached DMRs, please contact me at (502) 587-5832.

Sincerely,

Richard Mills

Richard Mills
Process Supervisor of Metro Operations

RM/ Timber Lake 12/12

Enclosures

CC T. Singleton
R. Shaw

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

Form Approved
OMB No. 2040-0004

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

**NAME:** CEDAR CREEK WQTC
**ADDRESS:** 8405 CEDAR CREEK RD
LOUISVILLE, KY 40211
**FACILITY:** TIMBERLAKE WQTC MSD
**LOCATION:** TIMBER RIDGE DR HWY 42
PROSPECT, KY 40059

ATTN: DENNIS THOMASSON, SR METRO OPS

| KY0043087 | 001-2 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | |
|---|---|---|---|
| | MM/DD/YYYY | | MM/DD/YYYY |
| FROM | 12/01/2012 | TO | 12/31/2012 |

**DMR Mailing ZIP CODE:** 40211
MINOR
(SUBR LV) JEFFE
MUNICIPAL DISCHARGE
External Outfall

**No Discharge** ☐

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | VALUE | VALUE | UNITS | VALUE | VALUE | VALUE | UNITS | | | |
| Oxygen, dissolved (DO) | SAMPLE MEASUREMENT | ****** | ****** | ****** | 9 | ****** | ****** | | 0 | 1/1 | GR |
| 00300 1 0 Effluent Gross | PERMIT REQUIREMENT | ****** | ****** | ****** | 7 INST MIN | ****** | ****** | mg/L | | Weekly | GRAB |
| pH | SAMPLE MEASUREMENT | ****** | ****** | ****** | 7 | ****** | 9 | | 0 | 1/1 | GR |
| 00400 1 0 Effluent Gross | PERMIT REQUIREMENT | ****** | ****** | ****** | 6 MINIMUM | ****** | 9 MAXIMUM | SU | | Weekly | GRAB |
| Solids, total suspended | SAMPLE MEASUREMENT | 7 | 15 | | ****** | 8 | 18 | | 0 | 1/7 | CP |
| 00530 1 0 Effluent Gross | PERMIT REQUIREMENT | 50 30DA AVG | 75 DAILY MX | lb/d | ****** | 30 30DA AVG | 45 DAILY MX | mg/L | | Weekly | COMP24 |
| Nitrogen, total | SAMPLE MEASUREMENT | ****** | ****** | ****** | ****** | 24 | 32 | | 0 | 1/7 | CP |
| 00600 1 0 Effluent Gross | PERMIT REQUIREMENT | ****** | ****** | ****** | ****** | Req. Mon. 30DA AVG | Req. Mon. DAILY MX | mg/L | | Weekly | COMP24 |
| Nitrogen, ammonia total (as N) | SAMPLE MEASUREMENT | | | | ****** | | | | | | |
| 00610 1 1 Effluent Gross | PERMIT REQUIREMENT | 3.3 30DA AVG | 5 DAILY MX | lb/d | ****** | 2 30DA AVG | 3 DAILY MX | mg/L | | Weekly | COMP24 |
| Nitrogen, ammonia total (as N) | SAMPLE MEASUREMENT | 0.5 | 1.1 | | ****** | 0.5 | 0.8 | | 0 | 1/7 | CP |
| 00610 1 2 Effluent Gross | PERMIT REQUIREMENT | 8.3 30DA AVG | 12.5 DAILY MX | lb/d | ****** | 5 30DA AVG | 7.5 DAILY MX | mg/L | | Weekly | COMPOS |
| Phosphorus, total (as P) | SAMPLE MEASUREMENT | ****** | ****** | ****** | ****** | 0.5 | 0.9 | | 0 | 1/7 | CP |
| 00665 1 0 Effluent Gross | PERMIT REQUIREMENT | ****** | ****** | ****** | ****** | 1 30DA AVG | 2 DAILY MX | mg/L | | Weekly | COMPOS |

| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | | | TELEPHONE | | DATE |
|---|---|---|---|---|---|
| Greg Heitzman Executive Director | 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 | 502 540 6000 | | 01-13-2013 |
| TYPED OR PRINTED | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA Code | NUMBER | MM/DD/YYYY |

**COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)**
Parameter 00610 - Use Season 1 for summer months (May, June, July, August, September, and October) and Season 2 for winter months (November, December, January, February March, and April); enter NODI=9 for the Season not needed.

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

Form Approved
OMB No. 2040-0004

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

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ATTN: DENNIS THOMASSON, SR METRO OPS

| KY0043087 | 001-2 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | |
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| | MM/DD/YYYY | | MM/DD/YYYY |
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**DMR Mailing ZIP CODE:** 40211
MINOR
(SUBR LV) JEFFE
MUNICIPAL DISCHARGE
External Outfall

**No Discharge** ☐

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | VALUE | VALUE | UNITS | VALUE | VALUE | VALUE | UNITS | | | |
| Flow, in conduit or thru treatment plant | SAMPLE MEASUREMENT | 0.098 | 0.164 | | ****** | ****** | ****** | ****** | 0 | CN | CN |
| 50050 1 0 Effluent Gross | PERMIT REQUIREMENT | Req. Mon. 30DA AVG | Req. Mon. INST MAX | MGD | ****** | ****** | ****** | ****** | | Weekly | CONTIN |
| Chlorine, total residual | SAMPLE MEASUREMENT | ****** | ****** | ****** | ****** | <0.010 | <0.010 | | 0 | 1/1 | GR |
| 50060 1 0 Effluent Gross | PERMIT REQUIREMENT | ****** | ****** | ****** | ****** | .011 30DA AVG | .019 DAILY MX | mg/L | | Weekly | GRAB |
| E. coli | SAMPLE MEASUREMENT | ****** | ****** | ****** | ****** | 3 | 16 | | 0 | 1/7 | GR |
| 51040 1 0 Effluent Gross | PERMIT REQUIREMENT | ****** | ****** | ****** | ****** | 130 30DA GEO | 240 7 DA GEO | #/100mL | | Weekly | GRAB |
| BOD, carbonaceous, 05 day, 20 C | SAMPLE MEASUREMENT | 5.0 | 7 | | ****** | 7 | 11 | | 0 | 1/7 | CP |
| 80082 1 0 Effluent Gross | PERMIT REQUIREMENT | 16.7 30DA AVG | 25 DAILY MX | lb/d | ****** | 10 30DA AVG | 15 DAILY MX | mg/L | | Weekly | COMP24 |

| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | | | TELEPHONE | | DATE |
|---|---|---|---|---|---|
| Greg C. Heitzman Executive Director | 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 | 502 5406000 | | 01-13-2013 |
| TYPED OR PRINTED | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA Code | NUMBER | MM/DD/YYYY |

**COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)**
Parameter 00610 - Use Season 1 for summer months (May, June, July, August, September, and October) and Season 2 for winter months (November, December, January, February March, and April); enter NODI=9 for the Season not needed.

Timberlake

| | | Report for | Dec-12 | | Tot. Exc.= | 0 | #DIV/0! | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Tot. Flow= | 3.052 | | Concentrations | | | | | Pounds | | |
| Date | Flow | TSS | BOD | NH3 | ECOLI | TSS | BOD | NH3 | Tot. Phos. | Tot. N |
| 12/1/12 | 0.084 | | | | | | | | | |
| 12/2/12 | 0.106 | | | | | | | | | |
| 12/3/12 | 0.09 | | | | | | | | | |
| 12/4/12 | 0.086 | | | | | | | | | |
| 12/5/12 | 0.066 | 6 | 11 | 0.22 | | 3.299 | 6.048 | 0.121 | 0.265 | 23.620 |
| 12/6/12 | 0.083 | | | | 1 | | | | | |
| 12/7/12 | 0.109 | | | | | | | | | |
| 12/8/12 | 0.113 | | | | | | | | | |
| 12/9/12 | 0.124 | | | | | | | | | |
| 12/10/12 | 0.109 | | | | | | | | | |
| 12/11/12 | 0.09 | | | | | | | | | |
| 12/12/12 | 0.082 | 5 | 5 | 0.39 | | 3.423 | 3.423 | 0.267 | 0.544 | 21.610 |
| 12/13/12 | 0.073 | | | | 3 | | | | | |
| 12/14/12 | 0.076 | | | | | | | | | |
| 12/15/12 | 0.101 | | | | | | | | | |
| 12/16/12 | 0.101 | | | | | | | | | |
| 12/17/12 | 0.164 | 4 | 5 | 0.78 | | 5.480 | 6.850 | 1.069 | 0.194 | 32.020 |
| 12/18/12 | 0.094 | | | | 2 | | | | | |
| 12/19/12 | 0.09 | | | | | | | | | |
| 12/20/12 | 0.106 | | | | | | | | | |
| 12/21/12 | 0.102 | | | | | | | | | |
| 12/22/12 | 0.103 | | | | | | | | | |
| 12/23/12 | 0.098 | 18 | | 0.5 | | 14.659 | | 0.407 | 0.943 | |
| 12/24/12 | 0.103 | | | | | | | | | |
| 12/25/12 | 0.092 | | 5 | | | | 3.848 | | | 20.450 |
| 12/26/12 | 0.1 | | | | 16 | | | | | |
| 12/27/12 | 0.105 | | | | | | | | | |
| 12/28/12 | 0.095 | | | | | | | | | |
| 12/29/12 | 0.103 | | | | | | | | | |
| 12/30/12 | 0.096 | | | | | | | | | |
| 12/31/12 | 0.107 | | | | | | | | | |
| Average | 0.098 | 8.25 | 6.50 | 0.47 | 3.13 | 6.72 | 5.04 | 0.47 | 0.49 | 24.43 |
| Maximum | 0.164 | 18.00 | 11.00 | 0.78 | 16.00 | 14.66 | 6.85 | 1.07 | 0.94 | 32.02 |
| Exceed. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |