



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

January 19, 2014

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 2013**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Reports (DMRs) and the Monthly Operator Report (MOR) for the Timber Lake WQTC; KPDES No.: KY0043087 for the month of December 2013.

There were no exceedences, bypasses or overflows to report.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Kevin Thompson", is written over a light-colored background.

Kevin Thompson
Process Supervisor of Metro Operations

RM/ Timber Lake 12/13

Enclosures

CC T. Singleton
R. Shaw



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

DMR Copy of Record

| | | | | | |
|--------------------|-------------------------|--------------------|--|--------------------|--|
| Permit | | | | | |
| Permit #: | KY0043087 | Permittee: | TIMBERLAKE WQTC MSD | Facility: | TIMBERLAKE WQTC MSD |
| Major: | No | Permittee Address: | 5504 TIMBER RIDGE RD PROSPECT, KY 40059 | Facility Location: | 5504 TIMBER RIDGE RD PROSPECT, KY 40059 |
| Permitted Feature: | 001 External Outfall | Discharge: | 001-2 MUNICIPAL DISCHARGE | | |

| | | | | | |
|----------------------------------|---------------------------|---------------|----------|---------|------------------|
| Report Dates & Status | | | | | |
| Monitoring Period: | From 12/01/13 to 12/31/13 | DMR Due Date: | 01/28/14 | Status: | NetDMR Validated |

| | | | | | |
|---|--|--|--|--|--|
| Considerations for Form Completion | | | | | |
|---|--|--|--|--|--|

| | | | | | |
|------------------------------------|----------|--------|--------------------|------------|--------------|
| Principal Executive Officer | | | | | |
| First Name: | Greg | Title: | Executive Director | Telephone: | 502-540-6000 |
| Last Name: | Heitzman | | | | |

| | | | | | |
|---------------------------------|----|--|--|--|--|
| No Data Indicator (NODI) | | | | | |
| Form NODI: | -- | | | | |

| Code | Parameter Name | Monitoring Location | Season # | Param. NODI | Quantity or Loading | | | | | Quality or Concentration | | | | | # of Ex. | Frequency of Analysis | Sample Type | | | | | | | | |
|-------|--|---------------------|----------|-------------|---------------------|---------|---|---------|---|--------------------------|------------|-------------|---------|---|-------------|---|-------------|---------------|--------------|----------------|--------------------|----------------|----------------|----------------|-------------|
| | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | | | | Value 3 | Units | | | | | | |
| 00300 | Oxygen, dissolved [DO] | 1 - Effluent Gross0 | | -- | Sample | | | | | = | 8 | | | | | | 19 - mg/L | 01/01 - Daily | GR - GRAB | | | | | | |
| | | | | | Permit Req. | | | | | >= | 7 INST MIN | | | | | | | | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB | | | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | | | |
| 00400 | pH | 1 - Effluent Gross0 | | -- | Sample | | | | | = | 7 | | | | = | 9 | | | 12 - SU | 01/01 - Daily | GR - GRAB | | | | |
| | | | | | Permit Req. | | | | | >= | 6 MINIMUM | | | | | <= | 9 MAXIMUM | | | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB | | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | | | |
| 00530 | Solids, total suspended | 1 - Effluent Gross0 | | -- | Sample | = | 14 | | = | 27 | | 26 - lb/d | | = | 20 | | = | 37 | | 19 - mg/L | 01/07 - Weekly | CP - COMPOS | | | |
| | | | | | Permit Req. | <= | 50 30DA AVG | | <= | 75 DAILY MX | | 26 - lb/d | | <= | 30 30DA AVG | | <= | 45 DAILY MX | | | 19 - mg/L | 0 | 01/07 - Weekly | 24 - COMP24 | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | | | |
| 00600 | Nitrogen, total [as N] | 1 - Effluent Gross0 | | -- | Sample | | | | | | | | = | 21 | | = | 25 | | 19 - mg/L | 01/07 - Weekly | CP - COMPOS | | | | |
| | | | | | Permit Req. | | | | | | | | | | | | | | | | 19 - mg/L | 0 | 01/07 - Weekly | 24 - COMP24 | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | | | |
| 00610 | Nitrogen, ammonia total [as N] | 1 - Effluent Gross1 | | -- | Sample | | | | | | | | = | 21 | | = | 25 | | 19 - mg/L | 01/07 - Weekly | CP - COMPOS | | | | |
| | | | | | Permit Req. | <= | 3.3 30DA AVG | | <= | 5 DAILY MX | | 26 - lb/d | | <= | 2 30DA AVG | | <= | 3 DAILY MX | | | 19 - mg/L | 0 | 01/07 - Weekly | 24 - COMP24 | |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | |
| 00610 | Nitrogen, ammonia total [as N] | 1 - Effluent Gross2 | | -- | Sample | = | 0.3 | | = | 0.4 | | 26 - lb/d | | = | 0.4 | | = | 0.5 | | 19 - mg/L | 01/07 - Weekly | CP - COMPOS | | | |
| | | | | | Permit Req. | <= | 8.3 30DA AVG | | <= | 12.5 DAILY MX | | 26 - lb/d | | <= | 5 30DA AVG | | <= | 7.5 DAILY MX | | | 19 - mg/L | 0 | 01/07 - Weekly | CP - COMPOS | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | | | |
| 00665 | Phosphorus, total [as P] | 1 - Effluent Gross0 | | -- | Sample | | | | | | | | = | 0.8 | | = | 1.3 | | 19 - mg/L | 01/07 - Weekly | CP - COMPOS | | | | |
| | | | | | Permit Req. | | | | | | | | | | | | | | | | 19 - mg/L | 0 | 01/07 - Weekly | CP - COMPOS | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | | | |
| 50050 | Flow, in conduit or thru treatment plant | 1 - Effluent Gross0 | | -- | Sample | = | 0.1 | | = | 0.193 | | 03 - MGD | | | | | | | | | 99/99 - Continuous | CN - CONTIN | | | |
| | | | | | Permit Req. | | Req Mon 30DA AVG | | Req Mon INST MAX | | 03 - MGD | | | | | | | | | | | | 0 | 01/07 - Weekly | CN - CONTIN |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | | | |
| 50060 | Chlorine, total residual | 1 - Effluent Gross0 | | -- | Sample | | | | | | | | < | 0.01 | | < | 0.01 | | 19 - mg/L | 01/01 - Daily | GR - GRAB | | | | |
| | | | | | Permit Req. | | | | | | | | | | | | | | | | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | = | 4 | | = | 7 | | 13 - #/100mL | 01/07 - Weekly | GR - GRAB | | | | |
| | | | | | Permit | | | | | | | | | | | | | | | | 13 - | | | | |

| | | | | | | | | | | | | | | | | | | | | | | |
|-------|---------------------------------|---------------------|----|-------------|----|---------------|----|-------------|-----------|----|-------------|----|-------------|-----------|----|--------------|----|--------------|---------|---|----------------|-------------|
| 51040 | E. coli | 1 - Effluent Gross0 | -- | Req. | | | | | | | | | | | <= | 130 30DA GEO | <= | 240 7 DA GEO | #/100mL | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | Value NODI | | | | | | | | | | | | | | | | | | |
| 80082 | BOD, carbonaceous, 05 day, 20 C | 1 - Effluent Gross0 | -- | Sample | = | 5.2 | = | 7 | 26 - lb/d | = | 7 | = | 10 | 19 - mg/L | | | | | | 0 | 01/07 - Weekly | CP - COMPOS |
| | | | | Permit Req. | <= | 16.7 30DA AVG | <= | 25 DAILY MX | 26 - lb/d | <= | 10 30DA AVG | <= | 15 DAILY MX | 19 - mg/L | 0 | | | | | 0 | 01/07 - Weekly | 24 - COMP24 |
| | | | | Value NODI | | | | | | | | | | | | | | | | | | |

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

| Name | Type | Size |
|-----------------------------------|------|-------|
| 201312_TimberLake_MOR.pdf | pdf | 8974 |
| 201312_TimberLake_coverletter.pdf | pdf | 16233 |

Report Last Saved By

TIMBERLAKE WQTC MSD

| | | | |
|---------|----------------------------------|------------|--------------------------------------|
| User: | kevin.thompson@louisvillemtd.org | Date/Time: | 2014-12-15 12:03 (Time Zone: -05:00) |
| Name: | Kevin Thompson | | |
| E-Mail: | kevin.thompson@louisvillemtd.org | | |

Timberlake

| Timberlake | Report for | Dec-13 | | | Tot. Exc.= | 0 (Influent data below.) | | | | | | | |
|------------|------------|----------------|-----|------|------------|--------------------------|-------|-------|------------|--------|------|------|------|
| Tot. Flow= | 3.095727 | Concentrations | | | | Pounds | | | | | | | |
| Date | Flow | TSS | BOD | NH3 | ECOLI | TSS | BOD | NH3 | Tot. Phos. | Tot. N | D.O. | p.H. | TRC |
| 12/1/13 | 0.098 | | | | | | | | | | 9.1 | 7.5 | 0.01 |
| 12/2/13 | 0.086 | 15 | 6 | 0.22 | | 10.801 | 4.320 | 0.158 | 1.250 | 22.100 | 9.1 | 7.5 | 0.01 |
| 12/3/13 | 0.085 | | | | 7 | | | | | | 9 | 7.5 | 0.01 |
| 12/4/13 | 0.079 | | | | | | | | | | 9.3 | 7.6 | 0.01 |
| 12/5/13 | 0.083 | | | | | | | | | | 9 | 7.8 | 0.01 |
| 12/6/13 | 0.098 | | | | | | | | | | 9 | 7.8 | 0.01 |
| 12/7/13 | 0.091 | | | | | | | | | | 8.8 | 7.7 | 0.01 |
| 12/8/13 | 0.096 | | | | | | | | | | 8 | 7.5 | 0.01 |
| 12/9/13 | 0.088 | 37 | 6 | 0.39 | | 27.248 | 4.419 | 0.287 | 1.010 | 24.700 | 9.1 | 7.9 | 0.01 |
| 12/10/13 | 0.089 | | | | 1 | | | | | | 8.7 | 7.7 | 0.01 |
| 12/11/13 | 0.089 | | | | | | | | | | 9 | 7.5 | 0.01 |
| 12/12/13 | 0.080 | | | | | | | | | | 9.1 | 8.5 | 0.01 |
| 12/13/13 | 0.096 | | | | | | | | | | 8.9 | 8 | 0.01 |
| 12/14/13 | 0.119 | | | | | | | | | | 8.6 | 7.8 | 0.01 |
| 12/15/13 | 0.113 | | | | | | | | | | 8.5 | 7.7 | 0.01 |
| 12/16/13 | 0.081 | | | | | | | | | | 9 | 7.9 | 0.01 |
| 12/17/13 | 0.098 | | | | | | | | | | 9.5 | 7.3 | 0.01 |
| 12/18/13 | 0.094 | 10 | 6 | 0.45 | | 7.841 | 4.705 | 0.353 | 0.481 | 15.100 | 8.8 | 7.4 | 0.01 |
| 12/19/13 | 0.093 | | | | 1 | | | | | | 9 | 7.8 | 0.01 |
| 12/20/13 | 0.113 | | | | | | | | | | 9.3 | 8.3 | 0.01 |
| 12/21/13 | 0.178 | | | | | | | | | | 9 | 8 | 0.01 |
| 12/22/13 | 0.193 | | | | | | | | | | 8.9 | 7.8 | 0.01 |
| 12/23/13 | 0.124 | | | | | | | | | | 8.9 | 7.8 | 0.01 |
| 12/24/13 | 0.094 | | | | | | | | | | 9 | 7.6 | 0.01 |
| 12/25/13 | 0.089 | 16 | 10 | 0.34 | | 11.855 | 7.409 | 0.252 | 0.389 | 20.200 | 9.1 | 7.7 | 0.01 |
| 12/26/13 | 0.091 | | | | 5 | | | | | | 9.1 | 7.7 | 0.01 |
| 12/27/13 | 0.089 | | | | | | | | | | 9.1 | 7.7 | 0.01 |
| 12/28/13 | 0.096 | | | | | | | | | | 8.9 | 7.6 | 0.01 |
| 12/29/13 | 0.099 | | | | | | | | | | 8.9 | 7.6 | 0.01 |
| 12/30/13 | 0.087 | | | | | | | | | | 9 | 7.7 | 0.01 |
| 12/31/13 | 0.085 | | | | | | | | | | 9 | 7.7 | 0.01 |
| Average | 0.100 | 20 | 7 | 0.4 | 2.43 | 14 | 5.213 | 0.26 | 0.8 | 20.53 | 8.96 | 8 | 0.01 |
| Maximum | 0.193 | 37 | 10 | 0.5 | 7.00 | 27 | 7.409 | 0.4 | 1.3 | 24.70 | 9.50 | 9 | 0.01 |
| Exceed. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |