



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

April 10, 2013

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

**Re: MSD Metro Operations
Lake of the Woods WQTC; KPDES No.: KY0044342
Discharge Monitoring Reports – March 2013**

Dear Ms. Edwards:

Attached is the Discharge Monitoring Reports (DMRs) and the Monthly Operating Report (MOR) for the Lake of the Woods WQTC; KPDES No.: KY0044342 for the month of March 2013.

There were no exceedences, bypass or overflow reports.

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

Sincerely,

A handwritten signature in black ink that reads "Duane V. Wright". The signature is written in a cursive style.

Duane V. Wright
Process Supervisor Central Region

DVW/Lake of the Woods 3.13

Enclosures

cc: R. Shaw
T. Singleton



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

DMR Copy of Record

| | | | |
|--------------------|-------------------------|--------------------|--|
| Permit | | | |
| Permit #: | KY0044342 | Permittee: | LAKE OF THE WOODS WQTC MSD |
| Major: | No | Permittee Address: | 11006 WALBRIDGE CT LOUISVILLE, KY 40299 |
| Permitted Feature: | 001 External Outfall | Discharge: | 001-2 SANITARY WASTEWATER |
| Facility: | | Facility Location: | LAKE OF THE WOODS WQTC MSD 11006 WALBRIDGE CT LOUISVILLE, KY 40299 |

| | | | |
|----------------------------------|---------------------------|---------------|----------|
| Report Dates & Status | | | |
| Monitoring Period: | From 03/01/13 to 03/31/13 | DMR Due Date: | 04/28/13 |
| Status: | NetDMR Validated | | |

Considerations for Form Completion

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

| | | | |
|---------------------------------|----|--|--|
| 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 Gross | 0 | -- | Sample | = | 9 | | | | = | 9 | | | | 19 - mg/L | 0 | 01/01 - Daily | GR - GRAB |
| | | | | | Permit Req. | >= | 7 INST MIN | | | | | | | | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 00400 | pH | 1 - Effluent Gross | 0 | -- | Sample | = | 7 | | | | = | 8 | | | 12 - SU | 0 | 01/01 - Daily | GR - GRAB | |
| | | | | | Permit Req. | >= | 6 MINIMUM | | | | <= | 9 MAXIMUM | | 12 - SU | 0 | 01/30 - Monthly | GR - GRAB | | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 0 | -- | Sample | = | 3 | = | 3 | 26 - lb/d | = | 7 | = | 7 | 19 - mg/L | 0 | 01/30 - Monthly | CP - COMPOS | |
| | | | | | Permit Req. | <= | 11 30DA AVG | <= | 22 DAILY MX | 26 - lb/d | <= | 30 30DA AVG | <= | 60 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | CP - COMPOS | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 00610 | Nitrogen, ammonia total (as N) | 1 - Effluent Gross | 2 | -- | Sample | = | 1.08 | = | 1.08 | 26 - lb/d | = | 3 | = | 3 | 19 - mg/L | 0 | 01/30 - Monthly | CP - COMPOS | |
| | | | | | Permit Req. | <= | 3.67 30DA AVG | <= | 7.34 DAILY MX | 26 - lb/d | <= | 10 30DA AVG | <= | 20 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | CP - COMPOS | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 00665 | Phosphorus, total (as P) | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 2.5 | = | 2.5 | 19 - mg/L | 0 | 01/30 - Monthly | CP - COMPOS | |
| | | | | | Permit Req. | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | CP - COMPOS | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 50050 | Flow, in conduit or thru treatment plant | 1 - Effluent Gross | 0 | -- | Sample | = | 0.043 | = | 0.089 | 03 - MGD | | | | | | 0 | 99/99 - Continuous | IN - INSTAN | |
| | | | | | Permit Req. | | Req Mon 30DA AVG | | Req Mon INST MAX | 03 - MGD | | | | | | 0 | 05/07 - Weekdays | IN - INSTAN | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 50060 | Chlorine, total residual | 1 - Effluent Gross | 0 | -- | Sample | | | | | | < | 0.01 | < | 0.01 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB | |
| | | | | | Permit Req. | | | | | | <= | .011 30DA AVG | <= | .019 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 74055 | Coliform, fecal general | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 2 | = | 2 | 13 - #/100mL | 0 | 01/30 - Monthly | GR - GRAB | |
| | | | | | Permit Req. | | | | | | <= | 200 30DA GEO | <= | 400 7 DA GEO | 13 - #/100mL | 0 | 01/30 - Monthly | GR - GRAB | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 80082 | BOD, carbonaceous, 05 day, 20 C | 1 - Effluent Gross | 0 | -- | Sample | = | 2 | = | 2 | 26 - lb/d | = | 5 | = | 5 | 19 - mg/L | 0 | 01/30 - Monthly | CP - COMPOS | |
| | | | | | Permit Req. | <= | 11 30DA AVG | <= | 22 DAILY MX | 26 - lb/d | <= | 30 30DA AVG | <= | 60 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | CP - COMPOS | |
| | | | | | 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 |
| 201303LOWWQTC_COVER.pdf | pdf | 17200 |
| 201303LOWWQTC_MOR.pdf | pdf | 22023 |

Report Last Saved By
LAKE OF THE WOODS WQTC MSD

| | | | |
|---------|--------------------------------|------------|--------------------------------------|
| User: | wrightd | Date/Time: | 2013-04-24 13:06 (Time Zone: -04:00) |
| Name: | Duane Wright | | |
| E-Mail: | duane.wright@louisvillemsd.org | | |



| Lake of the Woods | | Report for Mar-13 | | | Tot. Exc.= 0 | | | | | | | |
|--------------------------|-------|--------------------------|-----|-----|--------------|------|------|------|------------|------|------|--------|
| Tot. Flow= | 1.342 | Concentrations | | | Pounds | | | | | | | |
| Date | Flow | TSS | BOD | NH3 | Fecal | TSS | BOD | NH3 | Tot. Phos. | D.O. | p.H. | TRC |
| 3/1/13 | 0.050 | | | | | | | | | 11 | 7.1 | <0.010 |
| 3/2/13 | 0.036 | | | | | | | | | 11 | 7.3 | <0.010 |
| 3/3/13 | 0.041 | | | | | | | | | 12 | 7.7 | <0.010 |
| 3/4/13 | 0.035 | | | | | | | | | 10 | 7.2 | <0.010 |
| 3/5/13 | 0.029 | | | | | | | | | 12 | 7.5 | <0.010 |
| 3/6/13 | 0.056 | | | | | | | | | 10 | 7.3 | <0.010 |
| 3/7/13 | 0.051 | | | | | | | | | 12 | 7.7 | <0.010 |
| 3/8/13 | 0.036 | | | | | | | | | 11 | 7.4 | <0.010 |
| 3/9/13 | 0.034 | | | | | | | | | 11 | 7.3 | <0.010 |
| 3/10/13 | 0.031 | | | | | | | | | 10 | 7.2 | <0.010 |
| 3/11/13 | 0.063 | | | | | | | | | 9.5 | 7.3 | <0.010 |
| 3/12/13 | 0.058 | | | | | | | | | 9.8 | 7.1 | <0.010 |
| 3/13/13 | 0.043 | 7 | 5 | 3 | | 2.53 | 1.81 | 1.08 | 2.54 | 8.5 | 7.2 | <0.010 |
| 3/14/13 | 0.051 | | | | 2 | | | | | 11 | 7.1 | <0.010 |
| 3/15/13 | 0.049 | | | | | | | | | 10 | 7.3 | <0.010 |
| 3/16/13 | 0.037 | | | | | | | | | 9.9 | 7.2 | <0.010 |
| 3/17/13 | 0.043 | | | | | | | | | 9.7 | 7.2 | <0.010 |
| 3/18/13 | 0.089 | | | | | | | | | 10 | 7.3 | <0.010 |
| 3/19/13 | 0.078 | | | | | | | | | 9.7 | 7.1 | <0.010 |
| 3/20/13 | 0.057 | | | | | | | | | 10 | 7.3 | <0.010 |
| 3/21/13 | 0.042 | | | | | | | | | 10 | 7.2 | <0.010 |
| 3/22/13 | 0.034 | | | | | | | | | 10 | 7.2 | <0.010 |
| 3/23/13 | 0.028 | | | | | | | | | 9.9 | 7.1 | <0.010 |
| 3/24/13 | 0.032 | | | | | | | | | 9.6 | 7.2 | <0.010 |
| 3/25/13 | 0.042 | | | | | | | | | 9.5 | 7.1 | <0.010 |
| 3/26/13 | 0.040 | | | | | | | | | 9.8 | 7.2 | <0.010 |
| 3/27/13 | 0.037 | | | | | | | | | 9.6 | 7.1 | <0.010 |
| 3/28/13 | 0.031 | | | | | | | | | 10 | 7.3 | <0.010 |
| 3/29/13 | 0.031 | | | | | | | | | 9.5 | 7.1 | <0.010 |
| 3/30/13 | 0.029 | | | | | | | | | 9 | 7.2 | <0.010 |
| 3/31/13 | 0.030 | | | | | | | | | 9.5 | 6.9 | <0.010 |
| Average | 0.043 | 7 | 5 | 3 | 2 | 3 | 1.81 | 1.08 | 2.5 | 10.1 | 7 | 0.00 |
| Maximum | 0.089 | 7 | 5 | 3.0 | 2 | 3 | 1.81 | 1.1 | 2.5 | 12.0 | 8 | 0.00 |