



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

August 15, 2014

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 – July 2014.**

Dear Ms. Cheryl 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 July 2014.

There were no exceedences, bypasses or overflow reports for the month of July.

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 "John Kessel", is written over a horizontal line.

John Kessel
Process Supervisor, West region

JMK/McNeely Lake 0714

Enclosures

cc: T. Singleton
R. Shaw
C. Roth



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

DMR Copy of Record

Permit

| | | | | | |
|---------------------------|-------------------------|---------------------------|---|---------------------------|---|
| Permit #: | KY0029416 | Permittee: | MCNEELY LAKE WQTC MSD | Facility: | MCNEELY LAKE WQTC MSD |
| Major: | No | Permittee Address: | 10300 ROD N REEL RD LOUISVILLE, KY 40229 | Facility Location: | 10300 ROD N REEL RD LOUISVILLE, KY 40229 |
| Permitted Feature: | 001 External Outfall | Discharge: | 001-1 SANITARY WASTEWATER | | |

Report Dates & Status

| | | | | | |
|---------------------------|----------------------------------|----------------------|-----------------|----------------|-------------------------|
| Monitoring Period: | From 07/01/14 to 07/31/14 | DMR Due Date: | 08/28/14 | Status: | NetDMR Validated |
|---------------------------|----------------------------------|----------------------|-----------------|----------------|-------------------------|

Considerations for Form Completion

Principal Executive Officer

| | | | | | |
|--------------------|----------|---------------|---------------|-------------------|--------------|
| First Name: | Greg | Title: | Exec Director | Telephone: | 502-540-6000 |
| Last Name: | Hetizman | | | | |

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 | = | 7 | | | | | | | | | 19 - mg/L | 01/01 - Daily | GR - GRAB | |
| | | | | | Permit Req. | >= | 7 MINIMUM | | | | | | | | | 19 - mg/L | 01/07 - Weekly | GR - GRAB | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 00400 | pH | 1 - Effluent Gross | 0 | -- | Sample | = | 6 | | | | = | 7 | | | | 12 - SU | 01/01 - Daily | GR - GRAB | |
| | | | | | Permit Req. | >= | 6 MINIMUM | | | | <= | 9 MAXIMUM | | | | 12 - SU | 01/07 - Weekly | GR - GRAB | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 0 | -- | Sample | = | 10.2 | = | 15.6 | 26 - lb/d | = | 17 | = | 25 | | 19 - mg/L | 01/07 - Weekly | CP - COMPOS | |
| | | | | | Permit Req. | <= | 51.3 MO AVG | <= | 76.9 WKLY AVG | 26 - lb/d | <= | 30 MO AVG | <= | 45 WKLY AVG | | 19 - mg/L | 01/07 - Weekly | 24 - COMP24 | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 00600 | Nitrogen, total | 1 - Effluent Gross | 0 | -- | Sample | = | | | | | = | 32 | = | 36 | | 19 - mg/L | 01/07 - Weekly | CP - COMPOS | |
| | | | | | Permit Req. | | | | | | | Req Mon MO AVG | | Req Mon WKLY AVG | | 19 - mg/L | 01/07 - Weekly | 24 - COMP24 | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 00610 | Nitrogen, ammonia total [as N] | 1 - Effluent Gross | 1 | -- | Sample | = | 0.17 | = | 0.2 | 26 - lb/d | = | 0.3 | = | 0.4 | | 19 - mg/L | 01/07 - Weekly | CP - COMPOS | |
| | | | | | Permit Req. | <= | 6.84 MO AVG | <= | 10.3 WKLY AVG | 26 - lb/d | <= | 4 MO AVG | <= | 6 WKLY AVG | | 19 - mg/L | 01/07 - Weekly | 24 - COMP24 | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 00665 | Phosphorus, total [as P] | 1 - Effluent Gross | 0 | -- | Sample | = | | | | | = | 3.5 | = | 3.8 | | 19 - mg/L | 01/07 - Weekly | CP - COMPOS | |
| | | | | | Permit Req. | | | | | | | Req Mon MO AVG | | Req Mon WKLY AVG | | 19 - mg/L | 01/07 - Weekly | 24 - COMP24 | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 50050 | Flow, in conduit or thru treatment plant | 1 - Effluent Gross | 0 | -- | Sample | = | 0.077 | = | 0.091 | 03 - MGD | | | | | | | 99/99 - Continuous | CN - CONTIN | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon WKLY AVG | 03 - MGD | | | | | | | | 99/99 - Continuous | RC - Recorder (auto) |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 50060 | Chlorine, total residual | 1 - Effluent Gross | 0 | -- | Sample | | | | | | < | 0.01 | < | 0.01 | | 19 - mg/L | 99/99 - Continuous | GR - GRAB | |
| | | | | | Permit Req. | | | | | | <= | .011 MO AVG | <= | .019 WKLY AVG | | 19 - mg/L | 01/07 - Weekly | GR - GRAB | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 51040 | E. coli | 1 - Effluent Gross | 0 | -- | Sample | | | | | | < | 7 | <= | 25 | | 3Z - CFU/100mL | 01/07 - Weekly | GR - GRAB | |
| | | | | | Permit Req. | | | | | | <= | 130 30DA GEO | <= | 240 7 DA GEO | | 3Z - CFU/100mL | 01/07 - Weekly | GR - GRAB | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 80082 | BOD, carbonaceous, 05 day, 20 C | 1 - Effluent Gross | 0 | -- | Sample | = | 2.7 | = | 3.5 | 26 - lb/d | = | 5 | = | 6 | | 19 - mg/L | 01/07 - Weekly | CP - COMPOS | |
| | | | | | Permit Req. | <= | 25.6 MO AVG | <= | 38.5 WKLY AVG | 26 - lb/d | <= | 15 MO AVG | <= | 22.5 WKLY AVG | | 19 - mg/L | 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 |
|--------------------------|------|-------|
| Mcneely_Cover_072014.pdf | pdf | 16906 |
| Mcneely_MOR_072014.pdf | pdf | 8771 |

Report Last Saved By

MCNEELY LAKE WQTC MSD

User: kevin.ries@louisvillemsd.org

Date/Time:

2014-08-25 10:20 (Time Zone: -04:00)

Name: Kevin Ries

E-Mail: kevin.ries@louisvillemsd.org

| McNeely Lake | | Report for | | Jul-14 | | Tot. Exc.= | | 0 | | | | | | |
|--------------------|-------|------------|-----|----------------|-------|------------|-------|--------|------------|------|------|------|-------|--|
| Tot. Flow= 2.38877 | | | | Concentrations | | | | Pounds | | | | | | |
| Date | Flow | TSS | BOD | NH3 | Ecoli | TSS | BOD | NH3 | Tot. Phos. | D.O. | p.H. | TRC | Tot.N | |
| 7/1/14 | 0.069 | 24 | 6 | 0.28 | | 13.833 | 3.458 | 0.161 | 3.64 | 8 | 6 | 0.01 | 29.31 | |
| 7/2/14 | 0.068 | | | | 1 | | | | | 7 | 6 | 0.01 | | |
| 7/3/14 | 0.067 | | | | | | | | | 8 | 6 | 0.01 | | |
| 7/4/14 | 0.071 | | | | | | | | | 7 | 6 | 0.01 | | |
| 7/5/14 | 0.071 | | | | | | | | | 8 | 6 | 0.01 | | |
| 7/6/14 | 0.074 | | | | | | | | | 8 | 6 | 0.01 | | |
| 7/7/14 | 0.071 | | | | | | | | | 8 | 6 | 0.01 | | |
| 7/8/14 | 0.071 | 3 | 3 | 0.22 | | 1.764 | 1.764 | 0.129 | 3.32 | 8 | 7 | 0.01 | | |
| 7/9/14 | 0.061 | | | | 6 | | | | | 7 | 6 | 0.01 | | |
| 7/10/14 | 0.066 | | | | | | | | | 8 | 7 | 0.01 | | |
| 7/11/14 | 0.067 | | | | | | | | | 7 | 6 | 0.01 | | |
| 7/12/14 | 0.076 | | | | | | | | | 8 | 6 | 0.01 | 36.11 | |
| 7/13/14 | 0.078 | | | | | | | | | 8 | 6 | 0.01 | | |
| 7/14/14 | 0.101 | | | | | | | | | 7 | 6 | 0.01 | | |
| 7/15/14 | 0.075 | 25 | 5 | 0.39 | | 15.598 | 3.120 | 0.243 | 3.09 | 7 | 7 | 0.01 | 28.71 | |
| 7/16/14 | 0.069 | | | | 25 | | | | | 8 | 7 | 0.01 | | |
| 7/17/14 | 0.065 | | | | | | | | | 8 | 6 | 0.01 | | |
| 7/18/14 | 0.065 | | | | | | | | | 7 | | 0.01 | | |
| 7/19/14 | 0.073 | | | | | | | | | 8 | 6 | 0.01 | | |
| 7/20/14 | 0.082 | | | | | | | | | 7 | | 0.01 | | |
| 7/21/14 | 0.066 | | | | | | | | | 7 | 6 | 0.01 | | |
| 7/22/14 | 0.068 | 17 | 4 | 0.28 | | 9.631 | 2.266 | 0.159 | 3.8 | 8 | 7 | 0.01 | 33.61 | |
| 7/23/14 | 0.072 | | | | 16 | | | | | 8 | 6 | 0.01 | | |
| 7/24/14 | 0.070 | | | | | | | | | 8 | 6 | 0.01 | | |
| 7/25/14 | 0.070 | | | | | | | | | 7 | 6 | 0.01 | | |
| 7/26/14 | 0.081 | | | | | | | | | 8 | 6 | 0.01 | | |
| 7/27/14 | 0.167 | | | | | | | | | 7 | 6 | 0.01 | | |
| 7/28/14 | 0.108 | | | | | | | | | 7 | 7 | 0.01 | | |
| 7/29/14 | 0.089 | | | | | | | | | 8 | 7 | 0.01 | | |
| 7/30/14 | 0.085 | | | | | | | | | 8 | 7 | 0.01 | | |
| 7/31/14 | 0.074 | | | | | | | | | 8 | 7 | 0.01 | | |
| Average | 0.077 | 17 | 5 | 0.3 | 7.00 | 10 | 2.652 | 0.17 | 3.5 | 7.61 | 6 | 0.01 | 31.94 | |
| Maximum | 0.167 | 25 | 6 | 0.4 | 25.00 | 16 | 3.458 | 0.2 | 3.8 | 8.00 | 7 | 0.01 | 36.11 | |