



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

December 19, 2013

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

**Re: MSD Metro Operations
North Hunting Creek WQTC; KPDES No.: KY 0029106
Discharge Monitoring Reports for November 2013.**

Dear Ms. Edwards:

Attached is the Discharge Monitoring Reports (DMRs) and the Monthly Operator Report (MOR) for the North Hunting Creek WQTC; KPDES No.:KY0029106 for the month of November 2013.

There were no exceedences, overflows or bypasses to report for this month.

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

Sincerely,


Kevin Thompson
Process Supervisor, East Region

KT/North Hunting Creek 11/13.

Enclosures

cc: T. Singleton
R. Shaw



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

DMR Copy of Record

| | | | |
|---------------------------|-------------------------|---------------------------|--|
| Permit | | | |
| Permit #: | KY0029106 | Permittee: | HUNTING CREEK N WQTC MSD |
| Major: | No | Permittee Address: | 7300 SHADWELL LN PROSPECT, KY 40059 |
| Permitted Feature: | 001 External Outfall | Discharge: | 001-1 MUNICIPAL DISCHARGE |
| Facility: | | Facility Location: | HUNTING CREEK N WQTC MSD 7300 SHADWELL LN PROSPECT, KY 40059 |

| | | | |
|----------------------------------|----------------------------------|----------------------|-----------------|
| Report Dates & Status | | | |
| Monitoring Period: | From 11/01/13 to 11/30/13 | DMR Due Date: | 12/28/13 |
| Status: | NetDMR Validated | | |

Considerations for Form Completion
 TOTAL NITROGEN = TKN (AS N) AND NITRATE/NITRITE (AS N) - 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.

| | | | |
|------------------------------------|----------|-------------------|--------------------|
| Principal Executive Officer | | | |
| First Name: | Greg | Title: | Executive Director |
| 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 | | | | | = | 7 | | | | | 19 - mg/L | 0 | 01/01 - Daily | GR - GRAB | | | | |
| | | | | | Permit Req. | | | | | >= | 7 INST MIN | | | | 19 - mg/L | 01/07 - Weekly | | 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 | | 01/07 - Weekly | GR - GRAB | | | | | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 0 | -- | Sample | = | 20 | = | 28 | 26 - lb/d | | = | 11 | = | 16 | 19 - mg/L | 0 | 01/07 - Weekly | CP - COMPOS | | | | |
| | | | | | Permit Req. | <= | 90 30DA AVG | <= | 135 DAILY MX | 26 - lb/d | | <= | 30 30DA AVG | <= | 45 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 24 - COMP24 | | | | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | |
| 00600 | Nitrogen, total | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 20 | = | 24 | 19 - mg/L | 0 | 01/07 - Weekly | CP - COMPOS | | | | | |
| | | | | | Permit Req. | | | | | | | | | | Req Mon 30DA AVG | | Req Mon DAILY MX | 19 - mg/L | 01/07 - Weekly | CP - COMPOS | | | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | |
| 00610 | Nitrogen, ammonia total [as N] | 1 - Effluent Gross | 2 | -- | Sample | = | 0.9 | = | 2.2 | 26 - lb/d | | = | 0.4 | = | 0.9 | 19 - mg/L | 0 | 01/07 - Weekly | CP - COMPOS | | | | |
| | | | | | Permit Req. | <= | 15 30DA AVG | <= | 22.5 DAILY MX | 26 - lb/d | | <= | 5 30DA AVG | <= | 7.5 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 24 - COMP24 | | | | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | |
| 00665 | Phosphorus, total [as P] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 0.4 | = | 0.5 | 19 - mg/L | 0 | 01/07 - Weekly | CP - COMPOS | | | | | |
| | | | | | Permit Req. | | | | | | | | | | <= | | 1 30DA AVG | <= | 2 DAILY MX | 19 - mg/L | 01/07 - Weekly | CP - COMPOS | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | |
| 50050 | Flow, in conduit or thru treatment plant | 1 - Effluent Gross | 0 | -- | Sample | = | 0.242 | = | 0.601 | 03 - MGD | | | | | | 0 | 99/99 - Continuous | CN - CONTIN | | | | | |
| | | | | | Permit Req. | | | | | | | | | | | | | Req Mon 30DA AVG | Req Mon INST MAX | 03 - MGD | 01/07 - Weekly | IN - INSTAN | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | |
| 50060 | Chlorine, total residual | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | < | 0.01 | < | 0.01 | 19 - mg/L | 0 | 01/01 - Daily | GR - GRAB | | | | |
| | | | | | Permit Req. | | | | | | | | | | | <= | | .011 30DA AVG | <= | .019 DAILY MX | 19 - mg/L | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | |
| 51040 | E. coli | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | = | 3 | = | 9 | 13 - #/100mL | 0 | 01/07 - Weekly | GR - GRAB | | | | |
| | | | | | Permit Req. | | | | | | | | | | | <= | | 130 30DA GEO | <= | 240 7 DA GEO | 13 - #/100mL | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | |
| 80082 | BOD, carbonaceous, 05 day, 20 C | 1 - Effluent Gross | 0 | -- | Sample | = | 7 | = | 17 | 26 - lb/d | | = | 4 | = | 7 | 19 - mg/L | 0 | 01/07 - Weekly | CP - COMPOS | | | | |
| | | | | | Permit Req. | <= | 30 30DA AVG | <= | 45 DAILY MX | 26 - lb/d | | <= | 10 30DA AVG | <= | 15 DAILY MX | 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 |
| 201311NorthHuntingCreek_MOR.pdf | pdf | 9477 |
| 201311NorthHuntingCreek_coverletter.pdf | pdf | 16370 |

Report Last Saved By
 HUNTING CREEK N WQTC MSD

User: kevin.thompson@louisvillemsd.org

Date/Time:

2013-12-26 12:59 (Time Zone: -05:00)

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemsd.org

Hunting Creek North

| Hunting Cr. No. | | Report for | | Nov-13 | | Tot. Exc.= | | 0 | | (Influent data below.) | | | | |
|-------------------|-------|----------------|-----|--------|-------|------------|--------|-------|---------|------------------------|------|------|-----|------|
| Tot. Flow= 7.2679 | | Concentrations | | | | Pounds | | | | | | | | |
| Date | Flow | TSS | BOD | NH3 | Ecoli | TSS | BOD | NH3 | T. Phos | Tot. N | D.O. | p.H. | TRC | |
| 11/1/13 | 0.289 | | | | | | | | | | | 7.9 | 7.5 | 0.01 |
| 11/2/13 | 0.225 | | | | | | | | | | | 8.1 | 7.3 | 0.01 |
| 11/3/13 | 0.217 | | | | | | | | | | | 8 | 7.3 | 0.01 |
| 11/4/13 | 0.207 | 10 | 2 | 0.22 | 1 | 17.295 | 3.459 | 0.381 | 0.486 | 23.8 | | 8 | 7.3 | 0.01 |
| 11/5/13 | 0.208 | | | | | | | | | | | 8 | 7.3 | 0.01 |
| 11/6/13 | 0.221 | | | | | | | | | | | 8.1 | 7.4 | 0.01 |
| 11/7/13 | 0.220 | | | | | | | | | | | 8.1 | 7.4 | 0.01 |
| 11/8/13 | 0.204 | | | | | | | | | | | 8.1 | 7.4 | 0.01 |
| 11/9/13 | 0.209 | | | | | | | | | | | 8 | 7.3 | 0.01 |
| 11/10/13 | 0.212 | | | | | | | | | | | 8.1 | 7.4 | 0.01 |
| 11/11/13 | 0.199 | 6 | 2 | 0.22 | | 9.936 | 3.312 | 0.364 | 0.241 | 20.6 | | 8.1 | 7.4 | 0.01 |
| 11/12/13 | 0.194 | | | | 1 | | | | | | | 8.1 | 7.4 | 0.01 |
| 11/13/13 | 0.213 | | | | | | | | | | | 8.3 | 7.5 | 0.01 |
| 11/14/13 | 0.197 | | | | | | | | | | | 8.3 | 7.5 | 0.01 |
| 11/15/13 | 0.203 | | | | | | | | | | | 8.5 | 7.5 | 0.01 |
| 11/16/13 | 0.215 | | | | | | | | | | | 8.3 | 7.5 | 0.01 |
| 11/17/13 | 0.601 | | | | | | | | | | | 7 | 7.8 | 0.01 |
| 11/18/13 | 0.406 | | | | | | | | | | | 7 | 7.8 | 0.01 |
| 11/19/13 | 0.293 | 10 | 7 | 0.9 | | 24.434 | 17.104 | 2.199 | 0.379 | 13.3 | | 8.3 | 7.7 | 0.01 |
| 11/20/13 | 0.253 | | | | 9 | | | | | | | 7.9 | 7.6 | 0.01 |
| 11/21/13 | 0.244 | | | | | | | | | | | 7.9 | 7.6 | 0.01 |
| 11/22/13 | 0.240 | | | | | | | | | | | 7.9 | 7.6 | 0.01 |
| 11/23/13 | 0.224 | | | | | | | | | | | 8 | 7.5 | 0.01 |
| 11/24/13 | 0.226 | | | | | | | | | | | 7.9 | 7.4 | 0.01 |
| 11/25/13 | 0.211 | 16 | 3 | 0.28 | | 28.221 | 5.291 | 0.494 | 0.334 | 21.3 | | 7.9 | 7.4 | 0.01 |
| 11/26/13 | 0.213 | | | | 2 | | | | | | | 7.9 | 7.4 | 0.01 |
| 11/27/13 | 0.225 | | | | | | | | | | | 7.9 | 7.4 | 0.01 |
| 11/28/13 | 0.241 | | | | | | | | | | | 7.9 | 7.5 | 0.01 |
| 11/29/13 | 0.225 | | | | | | | | | | | 7.8 | 7.4 | 0.01 |
| 11/30/13 | 0.235 | | | | | | | | | | | 7.9 | 7.5 | 0.01 |
| 12/1/13 | | | | | | | | | | | | | | |
| Average | 0.242 | 11 | 4 | 0.4 | 2.06 | 20 | 7.292 | 0.86 | 0.4 | 19.75 | | 7.97 | 7 | 0.01 |
| Maximum | 0.601 | 16 | 7 | 0.9 | 9.00 | 28 | 17.104 | 2.2 | 0.5 | 23.8 | | 8.5 | 8 | 0.01 |
| Exceed. | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 |