



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

October 10, 2015

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

**Re: MSD Metro Operations**  
**Starview WQTC; KPDES No.: KY0031712**  
**Discharge Monitoring Report – September 2015.**

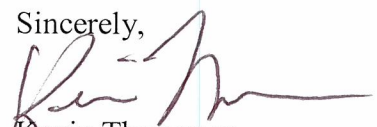
Dear Ms. Edwards:

Attached are the Discharge Monitoring Reports (DMRs) and the Monthly Operating Report (MOR) for the Starview WQTC, KPDES No.: KY0031712 for the month of September 2015.

There were no exceedences, bypasses or overflows to report.

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

Sincerely,

  
Kevin Thompson  
Process Supervisor Central Region

KLT/Starview 09.15

Enclosures

cc: R. Shaw  
T. Singleton



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

DMR Copy of Record

Permit

Permit #:  
Major:

KY0031712  
No

Permittee:  
Permittee Address:

STARVIEW WQTC MSD  
423 BERMUDA WAY  
LOUISVILLE, KY 40243

Facility:  
Facility Location:

STARVIEW WQTC MSD  
423 BERMUDA WAY  
LOUISVILLE, KY 40243

Permitted Feature:

001  
External Outfall

Discharge:

001-1  
DOMESTIC

Report Dates & Status

Monitoring Period:

From 09/01/15 to 09/30/15

DMR Due Date:

10/28/15

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:  
Last Name:

James  
Parrott

Title:

Executive Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI:

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| Parameter |                                          | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                |             |                  |           | Quality or Concentration |            |             |                |             |                  |              | # of Ex. | Frequency of Analysis | Sample Type |
|-----------|------------------------------------------|---------------------|----------|-------------|-------------|---------------------|----------------|-------------|------------------|-----------|--------------------------|------------|-------------|----------------|-------------|------------------|--------------|----------|-----------------------|-------------|
| Code      | Name                                     |                     |          |             |             | 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    |          | 01/30 - Monthly       | GR - GRAB   |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |            |             |                |             |                  |              |          |                       |             |
| 00400     | pH                                       | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                |             |                  |           | =                        | 6          |             |                | =           | 7                | 12 - SU      | 0        | 01/01 - Daily         | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |                |             |                  |           | >=                       | 6 MINIMUM  |             |                | <=          | 9 MAXIMUM        | 12 - SU      |          | 01/30 - Monthly       | GR - GRAB   |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |            |             |                |             |                  |              |          |                       |             |
| 00530     | Solids, total suspended                  | 1 - Effluent Gross  | 0        | --          | Sample      | =                   | 1              | =           | 1.1              | 26 - lb/d |                          |            | =           | 3              | =           | 3                | 19 - mg/L    | 0        | 01/30 - Monthly       | CP - COMPOS |
|           |                                          |                     |          |             | Permit Req. | <=                  | 25 MO AVG      | <=          | 37.5 WKLY AVG    | 26 - lb/d |                          |            | <=          | 30 MO AVG      | <=          | 45 WKLY AVG      | 19 - mg/L    |          | 01/30 - Monthly       | 24 - COMP24 |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |            |             |                |             |                  |              |          |                       |             |
| 00600     | Nitrogen, total [as N]                   | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                |             |                  |           |                          |            | =           | 17             | =           | 17               | 19 - mg/L    | 0        | 01/30 - Monthly       | CP - COMPOS |
|           |                                          |                     |          |             | Permit Req. |                     |                |             |                  |           |                          |            |             | Req Mon MO AVG |             | Req Mon WKLY AVG | 19 - mg/L    |          | 01/30 - Monthly       | 24 - COMP24 |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |            |             |                |             |                  |              |          |                       |             |
| 00610     | Nitrogen, ammonia total [as N]           | 1 - Effluent Gross  | 1        | --          | Sample      | =                   | 0.07           | =           | 0.07             | 26 - lb/d |                          |            | =           | 0.2            | =           | 0.2              | 19 - mg/L    | 0        | 01/30 - Monthly       | CP - COMPOS |
|           |                                          |                     |          |             | Permit Req. | <=                  | 3.34 MO AVG    | <=          | 5.01 WKLY AVG    | 26 - lb/d |                          |            | <=          | 4 MO AVG       | <=          | 6 WKLY AVG       | 19 - mg/L    |          | 01/30 - Monthly       | 24 - COMP24 |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |            |             |                |             |                  |              |          |                       |             |
| 00665     | Phosphorus, total [as P]                 | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                |             |                  |           |                          |            | =           | 3              | =           | 3                | 19 - mg/L    | 0        | 01/30 - Monthly       | CP - COMPOS |
|           |                                          |                     |          |             | Permit Req. |                     |                |             |                  |           |                          |            |             | Req Mon MO AVG |             | Req Mon WKLY AVG | 19 - mg/L    |          | 01/30 - Monthly       | 24 - COMP24 |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |            |             |                |             |                  |              |          |                       |             |
| 50050     | Flow, in conduit or thru treatment plant | 1 - Effluent Gross  | 0        | --          | Sample      | =                   | 0.048          | =           | 0.059            | 03 - MGD  |                          |            |             |                |             |                  |              | 0        | 99/99 - Continuous    | CN - CONTIN |
|           |                                          |                     |          |             | Permit Req. |                     | Req Mon MO AVG |             | Req Mon WKLY AVG | 03 - MGD  |                          |            |             |                |             |                  |              |          | 01/30 - Monthly       | 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 MO AVG    | <=          | .019 WKLY AVG    | 19 - mg/L    |          | 01/30 - Monthly       | GR - GRAB   |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |            |             |                |             |                  |              |          |                       |             |
| 51040     | E. coli                                  | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                |             |                  |           |                          |            | <           | 1              | <           | 1                | 13 - #/100mL | 0        | 01/30 - Monthly       | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |                |             |                  |           |                          |            | <=          | 130 30DA GEO   | <=          | 240 7 DA GEO     | 13 - #/100mL |          | 01/30 - Monthly       | GR - GRAB   |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |            |             |                |             |                  |              |          |                       |             |
| 80082     | BOD, carbonaceous [5 day, 20 C]          | 1 - Effluent Gross  | 0        | --          | Sample      | =                   | 1              | =           | 0.7              | 26 - lb/d |                          |            | =           | 2              | =           | 2                | 19 - mg/L    | 0        | 01/30 - Monthly       | CP - COMPOS |
|           |                                          |                     |          |             | Permit Req. | <=                  | 25 MO AVG      | <=          | 37.5 WKLY AVG    | 26 - lb/d |                          |            | <=          | 30 MO AVG      | <=          | 45 WKLY AVG      | 19 - mg/L    |          | 01/30 - Monthly       | 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   |
|---------------------------------|------|--------|
| 201509_Starview_coverletter.pdf | pdf  | 439161 |
| 201509_Starview_MOR.pdf         | pdf  | 402745 |

Report Last Saved By

STARVIEW WQTC MSD

User:

kevin.ries@louisvillemsd.org

Date/Time:

2015-10-19 10:55 (Time Zone: -04:00)



| Starview   |       | Report for |     |                |       | Sep-15 |       |       |            | Tot. Exc.= 0 |      |      |        |
|------------|-------|------------|-----|----------------|-------|--------|-------|-------|------------|--------------|------|------|--------|
| Tot. Flow= |       | 1.43841    |     | Concentrations |       | Pounds |       | D.O.  |            | p.H.         |      | TRC  |        |
| Date       | Flow  | TSS        | BOD | NH3            | Ecoli | TSS    | BOD   | NH3   | Tot. Phos. | D.O.         | p.H. | TRC  | Tot. N |
| 9/1/15     | 0.044 | 3          | 2   | 0.2            | 1     | 1.092  | 0.728 | 0.073 | 3.04       | 7.7          | 6    | 0.01 | 17.05  |
| 9/2/15     | 0.042 |            |     |                |       |        |       |       |            | 7.5          | 6.3  | 0.01 |        |
| 9/3/15     | 0.042 |            |     |                |       |        |       |       |            | 7.4          | 6.7  | 0.01 |        |
| 9/4/15     | 0.041 |            |     |                |       |        |       |       |            | 7.6          | 6.8  | 0.01 |        |
| 9/5/15     | 0.044 |            |     |                |       |        |       |       |            | 7.8          | 6.7  | 0.01 |        |
| 9/6/15     | 0.041 |            |     |                |       |        |       |       |            | 7.8          | 6.8  | 0.01 |        |
| 9/7/15     | 0.045 |            |     |                |       |        |       |       |            | 7.4          | 6.8  | 0.01 |        |
| 9/8/15     | 0.041 |            |     |                |       |        |       |       |            | 7.5          | 6.3  | 0.01 |        |
| 9/9/15     | 0.056 |            |     |                |       |        |       |       |            | 7.7          | 6.9  | 0.01 |        |
| 9/10/15    | 0.058 |            |     |                |       |        |       |       |            | 7.4          | 6.2  | 0.01 |        |
| 9/11/15    | 0.051 |            |     |                |       |        |       |       |            | 7.8          | 6.5  | 0.01 |        |
| 9/12/15    | 0.057 |            |     |                |       |        |       |       |            | 8            | 6.3  | 0.01 |        |
| 9/13/15    | 0.057 |            |     |                |       |        |       |       |            | 8.2          | 6.3  | 0.01 |        |
| 9/14/15    | 0.096 |            |     |                |       |        |       |       |            | 8            | 6.3  | 0.01 |        |
| 9/15/15    | 0.041 |            |     |                |       |        |       |       |            | 8            | 6.8  | 0.01 |        |
| 9/16/15    | 0.043 |            |     |                |       |        |       |       |            | 7.9          | 6.6  | 0.01 |        |
| 9/17/15    | 0.042 |            |     |                |       |        |       |       |            | 7.1          | 6    | 0.01 |        |
| 9/18/15    | 0.039 |            |     |                |       |        |       |       |            | 7.9          | 7    | 0.01 |        |
| 9/19/15    | 0.044 |            |     |                |       |        |       |       |            | 8            | 6.2  | 0.01 |        |
| 9/20/15    | 0.044 |            |     |                |       |        |       |       |            | 8.3          | 6.5  | 0.01 |        |
| 9/21/15    | 0.038 |            |     |                |       |        |       |       |            | 8.2          | 6.6  | 0.01 |        |
| 9/22/15    | 0.038 |            |     |                |       |        |       |       |            | 8            | 6.4  | 0.01 |        |
| 9/23/15    | 0.036 |            |     |                |       |        |       |       |            | 7.8          | 7.2  | 0.01 |        |
| 9/24/15    | 0.038 |            |     |                |       |        |       |       |            | 7.7          | 6.9  | 0.01 |        |
| 9/25/15    | 0.039 |            |     |                |       |        |       |       |            | 7.5          | 6.7  | 0.01 |        |
| 9/26/15    | 0.042 |            |     |                |       |        |       |       |            | 7.8          | 6.9  | 0.01 |        |
| 9/27/15    | 0.046 |            |     |                |       |        |       |       |            | 7.8          | 6.6  | 0.01 |        |
| 9/28/15    | 0.037 |            |     |                |       |        |       |       |            | 7.7          | 6.4  | 0.01 |        |
| 9/29/15    | 0.084 |            |     |                |       |        |       |       |            | 7.9          | 6.5  | 0.01 |        |
| 9/30/15    | 0.074 |            |     |                |       |        |       |       |            | 7.6          | 6.5  | 0.01 |        |
| Average    | 0.048 | 3          | 2   | 0.2            | 1.00  | 1      | 0.728 | 0.07  | 3.0        | 7.77         | 7    | 0.01 | 17.05  |
| Maximum    | 0.096 | 3          | 2   | 0.2            | 1.00  | 1      | 0.728 | 0.1   | 3.0        | 8.30         | 7    | 0.01 | 17.05  |
| Exceed.    | 0     | 0          | 0   | 0              | 0     | 0      | 0     | 0     |            |              |      |      |        |