



Louisville and Jefferson County Metropolitan Sewer District  
700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
[www.msdlouky.org](http://www.msdlouky.org)

February 12, 2017

Cheryl Edwards  
300 Sower Blvd., 3rd Floor  
Frankfort, Kentucky 40601

**RE: Cedar Creek WQTC, KPDES No: KY0098540  
Discharge Monitoring Report for January 2016.**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Cedar Creek WQTC, for the month of January 2017.

Also attached is a discharge report.

There were no exceedances or bypasses.

If you have any questions concerning the attached DMR's, please contact me at (502)587-5849.

Sincerely,

A handwritten signature in cursive script that reads "Duane V. Wright".

Duane V. Wright  
Process Supervisor

DVW/ Cedar Creek. 01/17.

Enclosures

Cc: V. Graves  
R. Shaw



*Beneficial Use of Louisville's Biosolids*  
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# DMR Copy of Record

|                           |                         |                           |                                                                     |
|---------------------------|-------------------------|---------------------------|---------------------------------------------------------------------|
| <b>Permit</b>             |                         |                           |                                                                     |
| <b>Permit #:</b>          | <b>KY0098540</b>        | <b>Permittee:</b>         | Cedar Creek WQTC MSD                                                |
| <b>Major:</b>             | Yes                     | <b>Permittee Address:</b> | 700 W Liberty St<br>Louisville, KY 40203                            |
| <b>Permitted Feature:</b> | 001<br>External Outfall | <b>Discharge:</b>         | <b>001-1</b><br>MUNICIPAL DISCHARGE                                 |
| <b>Facility:</b>          |                         | <b>Facility Location:</b> | CEDAR CREEK WQTC MSD<br>8405 CEDAR CREEK RD<br>LOUISVILLE, KY 40291 |

|                                  |                                  |                      |                 |
|----------------------------------|----------------------------------|----------------------|-----------------|
| <b>Report Dates &amp; Status</b> |                                  |                      |                 |
| <b>Monitoring Period:</b>        | <b>From 01/01/17 to 01/31/17</b> | <b>DMR Due Date:</b> | <b>02/28/17</b> |
| <b>Status:</b>                   | <b>NetDMR Validated</b>          |                      |                 |

**Considerations for Form Completion**

|                                    |          |                   |              |
|------------------------------------|----------|-------------------|--------------|
| <b>Principal Executive Officer</b> |          |                   |              |
| <b>First Name:</b>                 | James A. | <b>Title:</b>     | Exec. Dir.   |
| <b>Last Name:</b>                  | Parrott  | <b>Telephone:</b> | 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              |         |             |         |               |                          | =          | 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 Gross      | 0        | --          | Sample              |         |             |         |               |                          | =          | 7           |           |             | =            | 8                      | 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 Gross      | 0        | --          | Sample              | =       | 332         | =       | 434           | 26 - lb/d                |            | =           | 6         | =           | 7            | 19 - mg/L              | 03/07 - Three Per Week | CP - COMPOS        |                    |                      |
|       |                                            |                         |          |             | Permit Req.         | <=      | 1877 MO AVG | <=      | 2815 MX WK AV | 26 - lb/d                |            | <=          | 30 MO AVG | <=          | 45 MX WK AV  | 19 - mg/L              | 0                      | 01/07 - Weekly     | 24 - COMP24        |                      |
|       |                                            |                         |          |             | Value NODI          |         |             |         |               |                          |            |             |           |             |              |                        |                        |                    |                    |                      |
| 00530 | Solids, total suspended                    | G - Raw Sewage Influent | 0        | --          | Sample              |         |             |         |               |                          | =          | 289         | =         | 380         | 19 - mg/L    | 03/07 - Three Per Week | CP - COMPOS            |                    |                    |                      |
|       |                                            |                         |          |             | Permit Req.         |         |             |         |               |                          |            |             |           |             |              |                        | 0                      | 01/07 - Weekly     | 24 - COMP24        |                      |
|       |                                            |                         |          |             | Value NODI          |         |             |         |               |                          |            |             |           |             |              |                        |                        |                    |                    |                      |
| 00600 | Nitrogen, total [as N]                     | 1 - Effluent Gross      | 0        | --          | Sample              |         |             |         |               |                          | =          | 6           | =         | 7           | 19 - mg/L    | 01/07 - Weekly         | CP - COMPOS            |                    |                    |                      |
|       |                                            |                         |          |             | Permit Req.         |         |             |         |               |                          |            |             |           |             |              |                        | 0                      | 01/07 - Weekly     | 24 - COMP24        |                      |
|       |                                            |                         |          |             | Value NODI          |         |             |         |               |                          |            |             |           |             |              |                        |                        |                    |                    |                      |
| 00610 | Nitrogen, ammonia total [as N]             | 1 - Effluent Gross      | 2        | --          | Sample              | =       | 48          | =       | 88            | 26 - lb/d                |            | =           | 0.7       | =           | 1            | 19 - mg/L              | 03/07 - Three Per Week | CP - COMPOS        |                    |                      |
|       |                                            |                         |          |             | Permit Req.         | <=      | 626 MO AVG  | <=      | 939 MX WK AV  | 26 - lb/d                |            | <=          | 10 MO AVG | <=          | 15 MX WK AV  | 19 - mg/L              | 0                      | 01/07 - Weekly     | 24 - COMP24        |                      |
|       |                                            |                         |          |             | Value NODI          |         |             |         |               |                          |            |             |           |             |              |                        |                        |                    |                    |                      |
| 00665 | Phosphorus, total [as P]                   | 1 - Effluent Gross      | 2        | --          | Sample              |         |             |         |               |                          | =          | 0.4         | =         | 0.5         | 19 - mg/L    | 03/07 - Three Per Week | CP - COMPOS            |                    |                    |                      |
|       |                                            |                         |          |             | Permit Req.         |         |             |         |               |                          |            |             |           |             |              |                        | 0                      | 01/07 - Weekly     | 24 - COMP24        |                      |
|       |                                            |                         |          |             | Value NODI          |         |             |         |               |                          |            |             |           |             |              |                        |                        |                    |                    |                      |
| 50050 | Flow, in conduit or thru treatment plant   | 1 - Effluent Gross      | 0        | --          | Sample              | =       | 7.643       | =       | 10.744        | 03 - MGD                 |            |             |           |             |              |                        |                        | 99/99 - Continuous | CN - CONTIN        |                      |
|       |                                            |                         |          |             | Permit Req.         |         |             |         |               |                          |            |             |           |             |              |                        |                        | 0                  | 99/99 - Continuous | RE - Record (manual) |
|       |                                            |                         |          |             | Value NODI          |         |             |         |               |                          |            |             |           |             |              |                        |                        |                    |                    |                      |
| 50050 | Flow, in conduit or thru treatment plant   | G - Raw Sewage Influent | 0        | --          | Sample              | =       | 6.437       | =       | 9.085         | 03 - MGD                 |            |             |           |             |              |                        |                        | 99/99 - Continuous | CN - CONTIN        |                      |
|       |                                            |                         |          |             | Permit Req.         |         |             |         |               |                          |            |             |           |             |              |                        |                        | 0                  | 99/99 - Continuous | RE - Record (manual) |
|       |                                            |                         |          |             | Value NODI          |         |             |         |               |                          |            |             |           |             |              |                        |                        |                    |                    |                      |
| 51040 | E. coli                                    | 1 - Effluent Gross      | 0        | --          | Sample              |         |             |         |               |                          | =          | 5           | =         | 10          | 13 - #/100mL | 03/07 - Three Per Week | GR - GRAB              |                    |                    |                      |
|       |                                            |                         |          |             | Permit Req.         |         |             |         |               |                          |            |             |           |             |              |                        | 0                      | 01/07 - Weekly     | GR - GRAB          |                      |
|       |                                            |                         |          |             | Value NODI          |         |             |         |               |                          |            |             |           |             |              |                        |                        |                    |                    |                      |
| 80082 | BOD, carbonaceous [5 day, 20 C]            | 1 - Effluent Gross      | 0        | --          | Sample              | =       | 211         | =       | 226           | 26 - lb/d                |            | =           | 3         | =           | 4            | 19 - mg/L              | 03/07 - Three Per Week | CP - COMPOS        |                    |                      |
|       |                                            |                         |          |             | Permit Req.         | <=      | 626 MO AVG  | <=      | 939 MX WK AV  | 26 - lb/d                |            | <=          | 10 MO AVG | <=          | 15 MX WK AV  | 19 - mg/L              | 0                      | 01/07 - Weekly     | 24 - COMP24        |                      |
|       |                                            |                         |          |             | Value NODI          |         |             |         |               |                          |            |             |           |             |              |                        |                        |                    |                    |                      |
| 80082 | BOD, carbonaceous [5 day, 20 C]            | G - Raw Sewage Influent | 0        | --          | Sample              |         |             |         |               |                          | =          | 198         | =         | 233         | 19 - mg/L    | 03/07 - Three Per Week | CP - COMPOS            |                    |                    |                      |
|       |                                            |                         |          |             | Permit Req.         |         |             |         |               |                          |            |             |           |             |              |                        | 0                      | 01/07 - Weekly     | 24 - COMP24        |                      |
|       |                                            |                         |          |             | Value NODI          |         |             |         |               |                          |            |             |           |             |              |                        |                        |                    |                    |                      |
| 80091 | BOD, carb-5 day, 20 deg C, percent removal | K - Percent Removal     | 0        | --          | Sample              |         |             |         |               |                          | =          | 98          |           |             | 23 - %       | 01/30 - Monthly        | CA - CALCTD            |                    |                    |                      |
|       |                                            |                         |          |             | Permit Req.         |         |             |         |               |                          |            |             |           |             |              |                        | 0                      | 01/30 - Monthly    | CA - CALCTD        |                      |
|       |                                            |                         |          |             | Value NODI          |         |             |         |               |                          |            |             |           |             |              |                        |                        |                    |                    |                      |
| 81011 | Solids, suspended percent removal          | K - Percent Removal     | 0        | --          | Sample              |         |             |         |               |                          | =          | 98          |           |             | 23 - %       | 01/30 - Monthly        | CA - CALCTD            |                    |                    |                      |
|       |                                            |                         |          |             | Permit Req.         |         |             |         |               |                          |            |             |           |             |              |                        | 0                      | 01/30 - Monthly    | CA - CALCTD        |                      |
|       |                                            |                         |          |             | 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  |
|--------------------------------|------|-------|
| CC012017_COVER.pdf             | pdf  | 46183 |
| CC012017_MOR.pdf               | pdf  | 58881 |
| 201701CCWQTCOverflowReport.pdf | pdf  | 97628 |

**Report Last Saved By**

**Cedar Creek WQTC MSD**

User: kevin.ries@louisvillemsd.org | Date/Time: 2017-02-15 15:04 (Time Zone: -05:00)  
Name: Kevin Ries  
E-Mail: kevin.ries@louisvillemsd.org

NAME OF TREATMENT PLANT CEDAR CREEK WTP

COUNTY JEFFERSON

MONTH OF: January 2017

KPDES PERMIT NUMBER KY0098540

7.5 MGD

PLANT CAPACITY

RECEIVING STREAM CEDAR CREEK

| DATE | TOTAL FLOW<br>(MILLION GALLONS) | RAW SEWAGE                   |                            | SETTLABLE SOLIDS (mg/L) |       |     | DISSOLVED OXYGEN (mg/L) |                |              | SUSPENDED SOLIDS (mg/L) |              |     | 5 DAY CBOD (mg/L) |                |     | ACTIVATED SLUDGE |                |                | AERATION BASIN |        |                |                         |                       |                     | SLUDGE HANDLING |         |                |              |                   |              | FINAL        |       |                  |                |                                   |                   |                          |           |          |
|------|---------------------------------|------------------------------|----------------------------|-------------------------|-------|-----|-------------------------|----------------|--------------|-------------------------|--------------|-----|-------------------|----------------|-----|------------------|----------------|----------------|----------------|--------|----------------|-------------------------|-----------------------|---------------------|-----------------|---------|----------------|--------------|-------------------|--------------|--------------|-------|------------------|----------------|-----------------------------------|-------------------|--------------------------|-----------|----------|
|      |                                 | GRIT REMOVED<br>(CUBIC FEET) | SCREENINGS<br>(CUBIC FEET) | RAW                     | FINAL | RAW | PRIMARY EFFLUENT        | FINAL EFFLUENT | STREAM ABOVE | FINAL EFFLUENT          | STREAM BELOW | RAW | PRIMARY EFFLUENT  | FINAL EFFLUENT | RAW | PRIMARY EFFLUENT | FINAL EFFLUENT | RETURN         |                | WASTED | AERATION BASIN |                         | SETTLED SLUDGE VOLUME |                     | RAW             |         |                | HAULED       |                   |              | NH3-N (mg/L) | ECOLI | Total Phosphorus | Total Nitrogen | TOTAL FLOW INF. (MILLION GALLONS) |                   |                          |           |          |
|      |                                 |                              |                            |                         |       |     |                         |                |              |                         |              |     |                   |                |     |                  |                | GAL/DAY X 1000 | MLSS X 1000    |        | GAL/DAY X 1000 | DISSOLVED OXYGEN (mg/L) | MLSS (mg/L) X 1000    | MLVSS (mg/L) X 1000 | 30 MIN.         | 60 MIN. | GALLONS X 1000 | % DRY SOLIDS | % VOLATILE SOLIDS | % DRY SOLIDS |              |       |                  |                |                                   | % VOLATILE SOLIDS | WITHDRAWN GALLONS X 1000 |           |          |
| 1    | 5.19                            |                              |                            | 7.5                     | 7.5   |     |                         |                | 8.1          |                         |              |     |                   |                |     |                  | 4              | 6890           | 53000          | 3.8    | 3540           | 3080                    | 380                   | 380                 |                 |         |                |              |                   |              |              |       |                  | 2.20           |                                   | 0.3               | 7.49                     | 4.4741    |          |
| 2    | 5.35                            |                              |                            | 7.5                     | 7.8   |     |                         |                | 7.6          |                         | 384          |     | 9                 | 143            |     | 3                | 4              | 11020          | 45000          | 3.1    | 3490           | 3000                    | 490                   | 460                 |                 |         |                |              |                   |              |              |       | 2.00             | 4              | 0.3                               |                   | 7.604                    |           |          |
| 3    | 9.09                            |                              |                            | 7.3                     | 7.7   |     |                         |                | 8.0          |                         | 280          |     | 5                 | 79             |     | 3                | 4              | 8640           | 50000          | 3.8    | 3260           | 2870                    | 380                   | 320                 |                 |         |                |              |                   |              |              |       |                  |                |                                   |                   |                          | 6.58059   |          |
| 4    | 7.79                            |                              |                            | 7.4                     | 7.6   |     |                         |                | 8.8          |                         | 254          |     | 8                 | 233            |     | 4                | 4              | 7560           | 40000          | 3.5    | 2300           | 2000                    | 270                   | 250                 |                 |         |                |              |                   |              |              |       | 0.20             | 30             | 0.3                               |                   | 5.51876                  |           |          |
| 5    | 6.56                            |                              |                            | 7.5                     | 7.7   |     |                         |                | 9.1          |                         |              |     |                   |                |     | 4                | 4              | 10700          | 42000          | 5.4    | 3350           | 2900                    | 430                   | 350                 |                 |         |                |              |                   |              |              |       |                  | 8              |                                   |                   | 5.51876                  |           |          |
| 6    | 5.73                            |                              |                            | 7.6                     | 7.3   |     |                         |                | 9.8          |                         |              |     |                   |                |     | 4                | 4              | 10490          | 52000          | 5.3    | 3990           | 3530                    | 410                   | 330                 |                 |         |                |              |                   |              |              |       |                  |                |                                   |                   |                          | 4.85635   |          |
| 7    | 5.53                            |                              |                            | 7.5                     | 7.7   |     |                         |                | 9.9          |                         |              |     |                   |                |     | 4                | 4              | 9830           | 50000          | 5.6    | 3400           | 3010                    | 430                   | 380                 |                 |         |                |              |                   |              |              |       |                  |                |                                   |                   |                          | 4.78305   |          |
| 8    | 5.48                            |                              |                            | 7.8                     | 7.9   |     |                         |                | 10.0         |                         | 424          |     | 7                 | 297            |     | 5                | 4              | 9740           | 45000          | 6.9    | 3310           | 2940                    | 490                   | 390                 |                 |         |                |              |                   |              |              |       |                  | 0.20           |                                   | 0.3               |                          | 4.64981   |          |
| 9    | 5.00                            |                              |                            | 7.6                     | 7.9   |     |                         |                | 9.5          |                         | 436          |     | 4                 | 197            |     | 3                | 4              | 8380           | 48000          | 4.3    | 3090           | 2680                    | 500                   | 370                 |                 |         |                |              |                   |              |              |       |                  |                | 0.20                              | 2                 | 0.3                      | 5.92      | 4.27681  |
| 10   | 5.05                            |                              |                            | 7.5                     | 8.0   |     |                         |                | 9.3          |                         | 280          |     | 8                 | 204            |     | 5                | 4              | 10380          | 47000          | 3.3    | 3730           | 3200                    | 540                   | 420                 |                 |         |                |              |                   |              |              |       |                  | 0.20           | 1                                 | 0.308             |                          | 4.36503   |          |
| 11   | 9.15                            |                              |                            | 7.5                     | 7.9   |     |                         |                | 9.6          |                         |              |     |                   |                |     | 3                | 4              | 10330          | 38000          | 4.6    | 3010           | 2600                    | 400                   | 330                 |                 |         |                |              |                   |              |              |       |                  |                | 9                                 |                   |                          |           | 7.63608  |
| 12   | 9.82                            |                              |                            | 7.5                     | 7.7   |     |                         |                | 9.7          |                         |              |     |                   |                |     | 2                | 4              | 8280           | 40000          | 4.6    | 2880           | 2500                    | 360                   | 310                 |                 |         |                |              |                   |              |              |       |                  |                |                                   |                   |                          |           | 8.19794  |
| 13   | 11.49                           |                              |                            | 7.4                     | 7.6   |     |                         |                | 9.4          |                         |              |     |                   |                |     | 4                | 4              | 5360           | 26000          | 3.9    | 1490           | 1320                    | 210                   | 200                 |                 |         |                |              |                   |              |              |       |                  |                |                                   |                   |                          |           | 9.63734  |
| 14   | 11.43                           |                              |                            | 7.5                     | 7.7   |     |                         |                | 9.7          |                         |              |     |                   |                |     | 5                | 4              | 7040           | 40000          | 4.2    | 1820           | 1540                    | 230                   | 200                 |                 |         |                |              |                   |              |              |       |                  |                |                                   |                   |                          |           | 9.54121  |
| 15   | 10.62                           |                              |                            | 7.4                     | 7.3   |     |                         |                | 9.5          |                         |              |     |                   |                |     | 4                | 4              | 6470           | 40000          | 3.8    | 1970           | 1610                    | 220                   | 200                 |                 |         |                |              |                   |              |              |       |                  |                |                                   |                   |                          |           | 8.96886  |
| 16   | 9.22                            |                              |                            | 7.4                     | 7.8   |     |                         |                | 9.6          |                         | 228          |     | 3                 | 233            |     | 3                | 4              | 7750           | 38000          | 3.3    | 2330           | 2030                    | 330                   | 290                 |                 |         |                |              |                   |              |              |       |                  | 0.69           |                                   | 0.361             | 5.77                     | 7.78329   |          |
| 17   | 12.46                           |                              |                            | 7.3                     | 7.7   |     |                         |                | 9.3          |                         | 194          |     | 3                 | 145            |     | 2                | 4              | 5710           | 32000          | 4.6    | 1630           | 1510                    | 200                   | 170                 |                 |         |                |              |                   |              |              |       |                  | 0.86           | 25                                | 0.376             |                          | 10.37376  |          |
| 18   | 9.53                            |                              |                            | 7.3                     | 8.0   |     |                         |                | 8.9          |                         | 248          |     | 5                 | 210            |     | 3                | 5              | 5470           | 44000          | 2.9    | 2050           | 1870                    | 270                   | 240                 |                 |         |                |              |                   |              |              |       |                  | 0.20           | 1                                 | 0.422             |                          | 8.09098   |          |
| 19   | 8.21                            |                              |                            | 7.3                     | 7.8   |     |                         |                | 9.2          |                         |              |     |                   |                |     | 3                | 4              | 7110           | 65000          | 4.3    | 3220           | 2790                    | 500                   | 380                 |                 |         |                |              |                   |              |              |       |                  |                | 5                                 |                   |                          |           | 6.90281  |
| 20   | 14.79                           |                              |                            | 7.5                     | 7.5   |     |                         |                | 8.8          |                         |              |     |                   |                |     | 2                | 4              | 6210           | 25000          | 4.9    | 1430           | 1350                    | 200                   | 180                 |                 |         |                |              |                   |              |              |       |                  |                |                                   |                   |                          |           | 12.70306 |
| 21   | 10.39                           |                              |                            | 7.5                     | 7.6   |     |                         |                | 9.0          |                         |              |     |                   |                |     | 4                | 4              | 5050           | 63000          | 4.6    | 2250           | 1990                    | 300                   | 190                 |                 |         |                |              |                   |              |              |       |                  |                |                                   |                   |                          |           | 8.769    |
| 22   | 8.76                            |                              |                            | 7.6                     | 7.9   |     |                         |                | 8.9          |                         | 252          |     | 6                 | 231            |     | 5                | 5              | 4900           | 70000          | 2.3    | 2450           | 2140                    | 350                   | 280                 |                 |         |                |              |                   |              |              |       |                  |                | 1.50                              |                   | 0.6                      |           | 7.44144  |
| 23   | 7.84                            |                              |                            | 7.3                     | 7.8   |     |                         |                | 8.6          |                         | 354          |     | 4                 | 262            |     | 3                | 6              | 9150           | 45000          | 2.7    | 2560           | 2320                    | 400                   | 310                 |                 |         |                |              |                   |              |              |       | 0.20             | 19             | 0.493                             | 4.64              |                          | 6.41134   |          |
| 24   | 6.66                            |                              |                            | 7.8                     | 7.8   |     |                         |                | 8.8          |                         | 137          |     | 4                 | 136            |     | 2                | 5              | 8460           | 65000          | 4.8    | 3540           | 3000                    | 510                   | 400                 |                 |         |                |              |                   |              |              |       |                  | 0.12           | 5                                 | 0.485             |                          | 5.26032   |          |
| 25   | 5.93                            |                              |                            | 7.4                     | 8.0   |     |                         |                | 8.0          |                         |              |     |                   |                |     | 4                | 4              | 9970           | 65000          | 4.4    | 3860           | 3250                    | 520                   | 420                 |                 |         |                |              |                   |              |              |       |                  |                | 2                                 |                   |                          |           | 4.91671  |
| 26   | 5.36                            |                              |                            | 7.6                     | 7.7   |     |                         |                | 7.9          |                         |              |     |                   |                |     | 4                | 4              | 8780           | 75000          | 3.8    | 4120           | 3560                    | 670                   | 500                 |                 |         |                |              |                   |              |              |       |                  |                |                                   |                   |                          |           | 4.53485  |
| 27   | 5.05                            |                              |                            | 7.6                     | 7.8   |     |                         |                | 8.1          |                         |              |     |                   |                |     | 4                | 4              | 6870           | 85000          | 4.1    | 3910           | 3340                    | 660                   | 500                 |                 |         |                |              |                   |              |              |       |                  |                |                                   |                   |                          |           | 4.24318  |
| 28   | 5.11                            |                              |                            | 7.6                     | 7.8   |     |                         |                | 8.4          |                         |              |     |                   |                |     | 4                | 4              | 6520           | 85000          | 4.2    | 3750           | 3150                    | 600                   | 400                 |                 |         |                |              |                   |              |              |       |                  |                |                                   |                   |                          |           | 4.37097  |
| 29   | 5.22                            |                              |                            | 7.7                     | 7.7   |     |                         |                | 9.2          |                         |              |     |                   |                |     | 4                | 4              | 6140           | 85000          | 3.5    | 3570           | 2900                    | 600                   | 450                 |                 |         |                |              |                   |              |              |       |                  |                |                                   |                   |                          |           | 4.34575  |
| 30   | 4.68                            |                              |                            | 7.1                     | 7.6   |     |                         |                | 9.7          |                         |              |     |                   |                |     | 4                | 4              | 8860           | 68000          | 4.1    | 3600           | 3090                    | 700                   | 530                 |                 |         |                |              |                   |              |              |       |                  |                |                                   |                   |                          | 4.04556   |          |
| 31   | 4.47                            |                              |                            | 7.6                     | 7.7   |     |                         |                | 9.1          |                         |              |     |                   |                |     | 4                | 4              | 5830           | 95000          | 3.6    | 3620           | 3140                    | 580                   | 420                 |                 |         |                |              |                   |              |              |       |                  |                |                                   |                   |                          |           | 3.87507  |
| Tot. | #####                           |                              |                            |                         |       |     |                         |                |              |                         |              |     |                   |                |     |                  | 125.3          |                |                |        |                |                         |                       |                     |                 |         |                |              |                   |              |              |       |                  |                |                                   |                   |                          | 199.54504 |          |
| Avg. | 7.64                            |                              |                            | 7.5                     | 7.7   |     |                         |                | 9.0          |                         | 289          |     | 6                 | 198            |     | 3                | 4.042          | 7867.4         | 53580.65       | 4.135  | 2985           | 2587                    | 423.5                 | 340.3               |                 |         |                |              |                   |              |              |       | 0.71             | 5              | 0.379                             | 5.955             | 6.436936774              |           |          |

RESIDENTIAL  
COMMERCIAL  
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT  
72791 FLOW 74055 CBOD 87799 TSS

Joseph S Smith  
OPERATOR

20987  
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS  
SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-587-5849  
PLANT TELEPHONE

Report Selections: Period: 01/01/2017 00:00 thru 01/31/2017 23:59, treatment Plant: MSD0289 CEDAR CREEK, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

| KPDES #   | Facility ID | Water Quality Treatment Center | Receiving Stream of Treatment Center | Region |
|-----------|-------------|--------------------------------|--------------------------------------|--------|
| KY0098540 | MSD0289     | CEDAR CREEK                    | CEDAR CREEK                          | CENT   |

| Facility Type          | Facility ID | Facility Address    | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|------------------------|-------------|---------------------|----------------------------------------|------------------|--------------|
| SLS Sewer Lift Station | MSD1163-PS  | 11409 VISTA CLUB DR | VISTA CLUB                             | FLOYDS FORK      | GROUND       |

| Activity Code / Description    | WO #    | Ref No | Initiated  | Initiated By | Assigned To | Disch Status              | Event Date | Problem            | Result                          | Completed         | Condition |
|--------------------------------|---------|--------|------------|--------------|-------------|---------------------------|------------|--------------------|---------------------------------|-------------------|-----------|
| : DISDW: DRY WEATHER DISCHARGE | 2677139 |        | 01/28/2017 | ROTTET JR    | GILSTRAP    | REPAIRED - ISSUE RESOLVED | 01/28/2017 | MECHANICAL FAILURE | UNAUTHORIZED DISCHARGE - WATERS | 01/28/17 07:35 AM |           |

**Discharge Reporting:**

|                      |                                              |
|----------------------|----------------------------------------------|
| Discharge Amount:    | 50 GAL                                       |
| Cause:               | PUMPS LEFT IN THE OFF POSITION               |
| Clean Up:            | MSD SANITIZED AREA                           |
| Control Zone:        | TEMPORARY SIGNS PUT UP AROUND DISCHARGE AREA |
| Impact:              | SEWAGE AND DISCOLORATION IN STREAM           |
| Repair:              | TURNED ON THE PUMPS                          |
| Public Notification: | SENT OUT DRY WEATHER DISCHARGE TEXT          |

**Notifications:**

|                 |        |                                                                                                                         |
|-----------------|--------|-------------------------------------------------------------------------------------------------------------------------|
| 1/28/17 1:00 am | DISNOT | EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV' |
|-----------------|--------|-------------------------------------------------------------------------------------------------------------------------|

Total Facilities Printed: 1

Total Work Orders Printed: 1