



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)

November 12, 2013

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

**RE: Cedar Creek WQTC, KPDES No: KY0098540  
Discharge Monitoring Report-October 2013**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Cedar Creek WQTC, KPDES No.: KY0098540 for the month of October 2013.

Also attached are a bypass letter and overflow report.

There were no exceedences.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Duane V. Wright".

Duane V. Wright  
Process Supervisor Central Region

DVW/Cedar Creek 10.13.doc

Enclosures

cc: T. Singleton  
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> | 8405 CEDAR CREEK RD<br>LOUISVILLE, KY 40211                         |
| <b>Permitted Feature:</b> | 001<br>External Outfall | <b>Discharge:</b>         | <b>001-2</b><br>NEW EXPANSION                                       |
| <b>Facility:</b>          |                         | <b>Facility Location:</b> | CEDAR CREEK WQTC MSD<br>8405 CEDAR CREEK RD<br>LOUISVILLE, KY 40211 |

|                                  |                                  |                      |                 |
|----------------------------------|----------------------------------|----------------------|-----------------|
| <b>Report Dates &amp; Status</b> |                                  |                      |                 |
| <b>Monitoring Period:</b>        | <b>From 10/01/13 to 10/31/13</b> | <b>DMR Due Date:</b> | <b>11/28/13</b> |
| <b>Status:</b>                   | <b>NetDMR Validated</b>          |                      |                 |

**Considerations for Form Completion**

|                                    |          |                   |              |
|------------------------------------|----------|-------------------|--------------|
| <b>Principal Executive Officer</b> |          |                   |              |
| <b>First Name:</b>                 | Greg     | <b>Title:</b>     | Exec. Dir.   |
| <b>Last Name:</b>                  | Heitzman | <b>Telephone:</b> | 540-540-6000 |

|                                 |    |  |  |
|---------------------------------|----|--|--|
| <b>No Data Indicator (NODI)</b> | -- |  |  |
| <b>Form NODI:</b>               | -- |  |  |

| 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              |         |                  |                          | =         | 7              |         |                  |              | 19 - mg/L             | 0  | 01/01 - Daily<br>03/07 - Three Per Week | GR - GRAB<br>GR - GRAB |
|       |  |                         |          |             | Permit Req.         | >=      | 7 INST MIN     |         |                  |                          |           |                |         |                  | 19 - mg/L    |                       |  |   |                        |
|       |  |                         |          |             | Value NODI          |         |                |         |                  |                          |           |                |         |                  |              |                       |  |   |                        |
| 00400 | pH   | 1 - Effluent Gross      | 0        | --          | Sample              | =       | 7              |         |                  |                          | =         | 8              |         |                  | 12 - SU      | 0                     | 01/01 - Daily<br>03/07 - Three Per Week          | GR - GRAB<br>GR - GRAB                  |                        |
|       |  |                         |          |             | Permit Req.         | >=      | 6 MINIMUM      |         |                  | <=                       | 9 MAXIMUM |                |         | 12 - SU          |              |                       |  |   |                        |
|       |  |                         |          |             | Value NODI          |         |                |         |                  |                          |           |                |         |                  |              |                       |  |   |                        |
| 00530 | Solids, total suspended                    | 1 - Effluent Gross      | 0        | --          | Sample              | =       | 52             | =       | 77               | 26 - lb/d                | =         | 2              | =       | 2                | 19 - mg/L    | 0                     | 03/07 - Three Per Week<br>03/07 - Three Per Week | CP - COMPOS<br>CP - COMPOS              |                        |
|       |  |                         |          |             | Permit Req.         | <=      | 1876 MO AVG    | <=      | 2815 MX WK AV    | 26 - lb/d                | <=        | 30 MO AVG      | <=      | 45 MX WK AV      | 19 - mg/L    |                       |  |   |                        |
|       |  |                         |          |             | Value NODI          |         |                |         |                  |                          |           |                |         |                  |              |                       |  |   |                        |
| 00530 | Solids, total suspended                    | G - Raw Sewage Influent | 0        | --          | Sample              | =       | 5331           | =       | 7203             | 26 - lb/d                | =         | 207            | =       | 247              | 19 - mg/L    | 0                     | 03/07 - Three Per Week<br>03/07 - Three Per Week | CP - COMPOS<br>CP - COMPOS              |                        |
|       |  |                         |          |             | Permit Req.         |         | Req Mon MO AVG |         | Req Mon MX WK AV | 26 - lb/d                |           | Req Mon MO AVG |         | Req Mon MX WK AV | 19 - mg/L    |                       |  |   |                        |
|       |  |                         |          |             | Value NODI          |         |                |         |                  |                          |           |                |         |                  |              |                       |  |   |                        |
| 00610 | Nitrogen, ammonia total [as N]             | 1 - Effluent Gross      | 1        | --          | Sample              | =       | 51             | =       | 106              | 26 - lb/d                | =         | 3              | =       | 6                | 19 - mg/L    | 0                     | 03/07 - Three Per Week<br>03/07 - Three Per Week | CP - COMPOS<br>CP - COMPOS              |                        |
|       |  |                         |          |             | Permit Req.         | <=      | 250 MO AVG     | <=      | 375 MX WK AV     | 26 - lb/d                | <=        | 4 MO AVG       | <=      | 6 MX WK AV       | 19 - mg/L    |                       |  |   |                        |
|       |  |                         |          |             | Value NODI          |         |                |         |                  |                          |           |                |         |                  |              |                       |  |   |                        |
| 00610 | Nitrogen, ammonia total [as N]             | G - Raw Sewage Influent | 0        | --          | Sample              | =       | 426            | =       | 450              | 26 - lb/d                | =         | 18             | =       | 22               | 19 - mg/L    | 0                     | 03/07 - Three Per Week<br>03/07 - Three Per Week | CP - COMPOS<br>CP - COMPOS              |                        |
|       |  |                         |          |             | Permit Req.         |         | Req Mon MO AVG |         | Req Mon MX WK AV | 26 - lb/d                |           | Req Mon MO AVG |         | Req Mon MX WK AV | 19 - mg/L    |                       |  |   |                        |
|       |  |                         |          |             | Value NODI          |         |                |         |                  |                          |           |                |         |                  |              |                       |  |   |                        |
| 00665 | Phosphorus, total [as P]                   | 1 - Effluent Gross      | 1        | --          | Sample              | =       | 3              | =       | 5                | 26 - lb/d                | =         | 0.1            | =       | 0.1              | 19 - mg/L    | 0                     | 03/07 - Three Per Week<br>03/07 - Three Per Week | CP - COMPOS<br>CP - COMPOS              |                        |
|       |  |                         |          |             | Permit Req.         | <=      | 63 MO AVG      | <=      | 94 MX WK AV      | 26 - lb/d                | <=        | 1 MO AVG       | <=      | 1.5 MX WK AV     | 19 - mg/L    |                       |  |   |                        |
|       |  |                         |          |             | Value NODI          |         |                |         |                  |                          |           |                |         |                  |              |                       |  |   |                        |
| 50050 | Flow, in conduit or thru treatment plant   | 1 - Effluent Gross      | 0        | --          | Sample              | =       | 3.633          | =       | 14.82            | 03 - MGD                 |           |                |         |                  |              | 0                     | 99/99 - Continuous<br>99/99 - Continuous         | CN - CONTIN<br>CN - CONTIN              |                        |
|       |  |                         |          |             | Permit Req.         |         | Req Mon MO AVG |         | Req Mon DAILY MX | 03 - MGD                 |           |                |         |                  |              |                       |  |   |                        |
|       |  |                         |          |             | Value NODI          |         |                |         |                  |                          |           |                |         |                  |              |                       |  |   |                        |
| 74055 | Coliform, fecal general                    | 1 - Effluent Gross      | 0        | --          | Sample              |         |                |         |                  |                          | =         | 4              | =       | 6                | 13 - #/100mL | 0                     | 03/07 - Three Per Week<br>03/07 - Three Per Week | GR - GRAB<br>CP - COMPOS                |                        |
|       |  |                         |          |             | Permit Req.         |         |                |         |                  |                          | <=        | 200 30DA GEO   | <=      | 400 7 DA GEO     | 13 - #/100mL |                       |  |   |                        |
|       |  |                         |          |             | Value NODI          |         |                |         |                  |                          |           |                |         |                  |              |                       |  |   |                        |
| 80082 | BOD, carbonaceous, 05 day, 20 C            | 1 - Effluent Gross      | 0        | --          | Sample              | =       | 52             | =       | 77               | 26 - lb/d                | =         | 2              | =       | 2                | 19 - mg/L    | 0                     | 03/07 - Three Per Week<br>03/07 - Three Per Week | CP - COMPOS<br>CP - COMPOS              |                        |
|       |  |                         |          |             | Permit Req.         | <=      | 625 MO AVG     | <=      | 938 MX WK AV     | 26 - lb/d                | <=        | 10 MO AVG      | <=      | 15 MX WK AV      | 19 - mg/L    |                       |  |   |                        |
|       |  |                         |          |             | Value NODI          |         |                |         |                  |                          |           |                |         |                  |              |                       |  |   |                        |
| 80082 | BOD, carbonaceous, 05 day, 20 C            | G - Raw Sewage Influent | 0        | --          | Sample              | =       | 2553           | =       | 2958             | 26 - lb/d                | =         | 104            | =       | 136              | 19 - mg/L    | 0                     | 03/07 - Three Per Week<br>03/07 - Three Per Week | CP - COMPOS<br>CP - COMPOS              |                        |
|       |  |                         |          |             | Permit Req.         |         | Req Mon MO AVG |         | Req Mon MX WK AV | 26 - lb/d                |           | Req Mon MO AVG |         | Req Mon MX WK AV | 19 - mg/L    |                       |  |   |                        |
|       |  |                         |          |             | Value NODI          |         |                |         |                  |                          |           |                |         |                  |              |                       |  |   |                        |
| 80091 | BOD, carb-5 day, 20 deg C, percent removal | K - Percent Removal     | 0        | --          | Sample              |         |                |         |                  |                          | =         | 98             |         |                  | 23 - %       | 0                     | 01/30 - Monthly<br>01/30 - Monthly               | CA - CALCTD<br>CA - CALCTD              |                        |
|       |  |                         |          |             | Permit Req.         |         |                |         |                  |                          | >=        | 85 MO MIN      |         |                  | 23 - %       |                       |  |   |                        |
|       |  |                         |          |             | Value NODI          |         |                |         |                  |                          |           |                |         |                  |              |                       |  |   |                        |
| 81011 | Solids, suspended percent removal          | K - Percent Removal     | 0        | --          | Sample              |         |                |         |                  |                          | =         | 99             |         |                  | 23 - %       | 0                     | 01/30 - Monthly<br>01/30 - Monthly               | CA - CALCTD<br>CA - CALCTD              |                        |
|       |  |                         |          |             | Permit Req.         |         |                |         |                  |                          | >=        | 85 MO MIN      |         |                  | 23 - %       |                       |  |   |                        |
|       |  |                         |          |             | 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  |
|----------------------------------|------|-------|
| CC10-6-2013_COVER.pdf            | pdf  | 16785 |
| CCbypass_1062013.pdf             | pdf  | 19302 |
| 201310_CCWQTC_OverflowReport.pdf | pdf  | 74911 |
| CC102013_MOR.pdf                 | pdf  | 54131 |

**Report Last Saved By**

**CEDAR CREEK WQTC MSD**

User: wrightd | Date/Time: 2013-11-25 08:05 (Time Zone: -05:00)  
Name: Duane Wright  
E-Mail: duane.wright@louisvillemtd.org

NAME OF TREATMENT PLANT CEDAR CREEK WTP

COUNTY JEFFERSON

MONTH OF: October 2013

KPDDES PERMIT NUMBER KY0098540

PLANT CAPACITY 7.5 MGD

RECEIVING STREAM CEDAR CREEK

| DATE | TOTAL FLOW (MILLION GALLONS) | RAW SEWAGE                |                         | pH  |       |      | SETTLABLE SOLIDS (mg/L) |                |              | DISSOLVED OXYGEN (mg/L) |              |     | SUSPENDED SOLIDS (mg/L) |                |     | 5 DAY CBOD (mg/L) |                |                | ACTIVATED SLUDGE |        |                         | AERATION BASIN     |                     |                       |         |         |                | SLUDGE HANDLING |                   |              |                   |              |                                 | FINAL                    |       | Total Phosphorus |  |
|------|------------------------------|---------------------------|-------------------------|-----|-------|------|-------------------------|----------------|--------------|-------------------------|--------------|-----|-------------------------|----------------|-----|-------------------|----------------|----------------|------------------|--------|-------------------------|--------------------|---------------------|-----------------------|---------|---------|----------------|-----------------|-------------------|--------------|-------------------|--------------|---------------------------------|--------------------------|-------|------------------|--|
|      |                              | GRIT REMOVED (CUBIC FEET) | SCREENINGS (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 | DISSOLVED OXYGEN (mg/L) | MLSS (mg/L) X 1000 | MLVSS (mg/L) X 1000 | SETTLED SLUDGE VOLUME |         | RAW     |                |                 | HAULED            |              |                   | NH3-N (mg/L) | FECAL COLIFORM (COLONIES/100ML) |                          |       |                  |  |
|      |                              |                           |                         |     |       |      |                         |                |              |                         |              |     |                         |                |     |                   |                | GAL/DAY X 1000 | MLSS X1000       |        |                         |                    |                     | GAL/DAY X 1000        | 30 MIN. | 60 MIN. | GALLONS X 1000 | % DRY SOLIDS    | % VOLATILE SOLIDS | % DRY SOLIDS | % VOLATILE SOLIDS |              |                                 | WITHDRAWN GALLONS X 1000 |       |                  |  |
| 1    | 2.20                         |                           |                         | 6.9 | 7.2   |      |                         |                | 7.5          |                         | 152          |     | 2                       | 103            |     | 2                 | 1.42           | 6070           | 50000            | 2.3    | 2650                    | 2050               | 310                 | 290                   |         |         |                |                 |                   |              |                   |              | 2.20                            | 2                        | 0.1   |                  |  |
| 2    | 2.21                         |                           |                         | 7.0 | 7.4   | 18.0 |                         |                | 7.6          |                         | 160          |     | 2                       | 80             |     | 2                 | 1.48           | 5560           | 50000            | 2.6    | 2570                    | 1990               | 300                 | 280                   |         |         |                |                 |                   |              |                   |              | 2.00                            | 4                        | 0.1   |                  |  |
| 3    | 2.14                         |                           |                         | 7.2 | 7.1   | 22.0 |                         |                | 7.6          |                         | 148          |     | 2                       | 92             |     | 2                 | 1.40           | 5660           | 50000            | 2.5    | 2540                    | 1920               | 300                 | 280                   |         |         |                |                 |                   |              |                   |              | 13.50                           | 7                        | 0.1   |                  |  |
| 4    | 2.19                         |                           |                         | 7.0 | 7.2   | 15.0 |                         |                | 7.8          |                         |              |     |                         |                |     |                   | 1.38           | 4690           | 50000            | 2.8    | 3320                    | 2470               | 320                 | 300                   |         |         |                |                 |                   |              |                   |              |                                 |                          |       |                  |  |
| 5    | 5.21                         |                           |                         | 7.0 | 7.3   |      |                         |                | 8.0          |                         |              |     |                         |                |     |                   | 1.38           |                | 50000            | 3.1    |                         |                    | 310                 | 300                   |         |         |                |                 |                   |              |                   |              |                                 |                          |       |                  |  |
| 6    | 14.82                        |                           |                         | 7.2 | 7.4   |      |                         |                | 7.3          |                         |              |     |                         |                |     |                   | 1.68           |                | 27000            |        |                         |                    |                     |                       |         |         |                |                 |                   |              |                   |              |                                 |                          |       |                  |  |
| 7    | 7.80                         |                           |                         | 7.3 | 7.8   |      |                         |                | 7.4          |                         |              |     |                         |                |     |                   | 4.62           | 4810           | 50000            | 3.3    | 3040                    | 2240               | 280                 | 260                   |         |         |                |                 |                   |              |                   |              |                                 |                          |       |                  |  |
| 8    | 5.92                         |                           |                         | 7.1 | 7.4   |      |                         |                | 8.7          |                         | 188          |     | 2                       | 56             |     | 2                 | 4.28           | 5170           | 25000            | 2.6    | 1860                    | 1520               | 200                 | 190                   |         |         |                |                 |                   |              |                   |              | 0.22                            | 2                        | 0.125 |                  |  |
| 9    | 4.12                         |                           |                         | 6.9 | 7.4   | 23.0 |                         |                | 8.8          |                         | 215          |     | 2                       | 81             |     | 2                 | 3.54           | 5420           | 50000            | 3.4    | 2130                    | 1810               | 220                 | 190                   |         |         |                |                 |                   |              |                   |              | 0.22                            | 4                        | 0.141 |                  |  |
| 10   | 3.89                         |                           |                         | 7.1 | 7.5   | 19.0 |                         |                | 8.6          |                         | 152          |     | 2                       | 84             |     | 2                 | 2.74           | 5180           | 50000            | 2.8    | 2280                    | 1920               | 240                 | 200                   |         |         |                |                 |                   |              |                   |              | 0.11                            | 2                        | 0.137 |                  |  |
| 11   | 3.13                         |                           |                         | 7.2 | 7.5   | 21.0 |                         |                | 8.8          |                         |              |     |                         |                |     |                   | 2.84           | 6100           | 50000            | 3.5    | 3100                    | 2370               | 300                 | 290                   |         |         |                |                 |                   |              |                   |              |                                 |                          |       |                  |  |
| 12   | 2.96                         |                           |                         | 7.0 | 7.6   |      |                         |                | 8.6          |                         |              |     |                         |                |     |                   | 2.84           |                | 60000            | 3.0    |                         |                    | 320                 | 300                   |         |         |                |                 |                   |              |                   |              |                                 |                          |       |                  |  |
| 13   | 3.01                         |                           |                         | 7.2 | 7.8   |      |                         |                | 8.7          |                         |              |     |                         |                |     |                   | 2.87           |                | 60000            | 2.9    |                         |                    | 300                 | 290                   |         |         |                |                 |                   |              |                   |              |                                 |                          |       |                  |  |
| 14   | 2.69                         |                           |                         | 6.8 | 7.4   |      |                         |                | 7.9          |                         |              |     |                         |                |     |                   | 2.75           | 5200           | 60000            | 1.5    | 2940                    | 2250               | 360                 | 310                   |         |         |                |                 |                   |              |                   |              |                                 |                          |       |                  |  |
| 15   | 2.70                         |                           |                         | 7.2 | 7.6   |      |                         |                | 8.2          |                         | 208          |     | 2                       | 103            |     | 2                 | 2.84           | 4710           | 60000            | 2.2    | 2910                    | 2180               | 350                 | 300                   |         |         |                |                 |                   |              |                   |              | 0.11                            | 5                        | 0.1   |                  |  |
| 16   | 3.21                         |                           |                         | 7.3 | 7.5   | 16.0 |                         |                | 8.2          |                         | 224          |     | 2                       | 110            |     | 2                 | 2.99           | 4920           | 60000            | 3.0    | 2840                    | 2120               | 330                 | 300                   |         |         |                |                 |                   |              |                   |              | 0.11                            | 15                       | 0.1   |                  |  |
| 17   | 3.21                         |                           |                         | 6.8 | 7.0   |      |                         |                | 8.2          |                         | 308          |     | 2                       | 135            |     | 2                 | 2.09           | 11830          | 65000            |        | 2410                    | 1960               | 300                 | 260                   |         |         |                |                 |                   |              |                   |              | 0.17                            | 2                        | 0.1   |                  |  |
| 18   | 2.58                         |                           |                         | 6.9 | 7.2   |      |                         |                | 8.4          |                         |              |     |                         |                |     |                   | 1.86           | 8780           | 65000            | 2.9    | 2660                    | 2180               | 310                 | 270                   |         |         |                |                 |                   |              |                   |              |                                 |                          |       |                  |  |
| 19   | 3.00                         |                           |                         | 6.6 | 7.0   |      |                         |                | 8.4          |                         |              |     |                         |                |     |                   | 1.86           |                | 65000            | 2.4    |                         |                    | 330                 | 300                   |         |         |                |                 |                   |              |                   |              |                                 |                          |       |                  |  |
| 20   | 3.20                         |                           |                         | 6.5 | 7.2   |      |                         |                | 8.1          |                         |              |     |                         |                |     |                   | 1.75           |                | 65000            | 2.2    |                         |                    | 320                 | 310                   |         |         |                |                 |                   |              |                   |              |                                 |                          |       |                  |  |
| 21   | 2.71                         |                           |                         | 6.7 | 7.0   |      |                         |                | 8.3          |                         |              |     |                         |                |     |                   | 1.89           | 6470           | 65000            | 2.5    | 2750                    | 2170               | 350                 | 310                   |         |         |                |                 |                   |              |                   |              |                                 |                          |       |                  |  |
| 22   | 2.58                         |                           |                         | 6.4 | 7.3   |      |                         |                | 7.6          |                         | 225          |     | 2                       | 134            |     | 2                 | 2.03           | 5990           | 65000            | 2.0    | 2820                    | 2260               | 340                 | 310                   |         |         |                |                 |                   |              |                   |              | 8.00                            | 11                       | 0.1   |                  |  |
| 23   | 2.45                         |                           |                         | 6.6 | 7.4   | 24.0 |                         |                | 7.6          |                         | 264          |     | 2                       | 137            |     | 2                 | 2.18           | 4850           | 65000            | 2.6    | 2440                    | 1920               | 350                 | 310                   |         |         |                |                 |                   |              |                   |              | 3.90                            | 12                       | 0.1   |                  |  |
| 24   | 2.46                         |                           |                         | 6.8 | 7.0   | 17.0 |                         |                | 8.5          |                         | 235          |     | 2                       | 136            |     | 2                 | 2.18           | 4610           | 70000            | 3.6    | 2490                    | 1880               | 320                 | 300                   |         |         |                |                 |                   |              |                   |              | 0.48                            | 2                        | 0.1   |                  |  |
| 25   | 2.30                         |                           |                         | 6.9 | 7.1   | 20.0 |                         |                | 8.3          |                         |              |     |                         |                |     |                   | 2.26           | 4820           | 70000            | 3.4    | 2940                    | 2470               | 320                 | 300                   |         |         |                |                 |                   |              |                   |              |                                 |                          |       |                  |  |
| 26   | 2.60                         |                           |                         | 6.9 | 7.0   |      |                         |                | 8.1          |                         |              |     |                         |                |     |                   | 2.27           |                | 70000            | 3.1    |                         |                    | 340                 | 320                   |         |         |                |                 |                   |              |                   |              |                                 |                          |       |                  |  |
| 27   | 2.52                         |                           |                         | 6.8 | 7.2   |      |                         |                | 8.4          |                         |              |     |                         |                |     |                   | 2.14           |                | 70000            | 3.4    |                         |                    | 340                 | 320                   |         |         |                |                 |                   |              |                   |              |                                 |                          |       |                  |  |
| 28   | 2.30                         |                           |                         | 6.8 | 7.2   |      |                         |                | 8.2          |                         |              |     |                         |                |     |                   | 2.05           | 4550           | 70000            | 3.4    | 2520                    | 2070               | 380                 | 340                   |         |         |                |                 |                   |              |                   |              |                                 |                          |       |                  |  |
| 29   | 2.36                         |                           |                         | 6.8 | 6.8   |      |                         |                | 8.4          |                         |              |     |                         |                |     |                   | 2.30           | 4750           | 70000            | 3.6    | 2740                    | 2290               | 380                 | 350                   |         |         |                |                 |                   |              |                   |              |                                 |                          |       |                  |  |
| 30   | 4.76                         |                           |                         | 7.2 | 7.4   |      |                         |                | 7.6          |                         |              |     |                         |                |     |                   | 2.27           | 5550           | 70000            | 2.4    | 1910                    | 1720               | 240                 | 210                   |         |         |                |                 |                   |              |                   |              |                                 |                          |       |                  |  |
| 31   | 5.36                         |                           |                         | 7.1 | 7.2   |      |                         |                | 8.3          |                         |              |     |                         |                |     |                   | 2.95           | 5710           | 70000            | 3.4    | 3100                    | 2500               | 310                 | 300                   |         |         |                |                 |                   |              |                   |              |                                 |                          |       |                  |  |
| Tot. | 112.61                       |                           |                         |     |       |      |                         |                |              |                         |              |     |                         |                |     |                   | 73.13          |                |                  |        |                         |                    |                     |                       |         |         |                |                 |                   |              |                   |              |                                 |                          |       |                  |  |
| Avg. | 3.63                         |                           |                         | 6.9 | 7.3   | 19.5 |                         |                | 8.1          |                         | 207          |     | 2                       | 104            |     | 2                 | 2.359          | 5713           | 58613            | 2.841  | 2650                    | 2098               | 312.3               | 286.3                 |         |         |                |                 |                   |              |                   | 2.59         | 4                               | 0.109                    |       |                  |  |

RESIDENTIAL  
COMMERCIAL  
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

34596      18578      29802  
FLOW      CBOD      TSS

Joseph Shaun Smith  
OPERATOR

20987  
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

#####

PLANT TELEPHONE

October 8, 2013

Mr. Charlie Roth, District Supervisor  
KY Division of Water  
Louisville Regional Office  
9116 Leesgate Road  
Louisville, KY 40222-5084

**Re: Bypass Report for the Cedar Creek WQTC – KPDES Permit KY0098540**

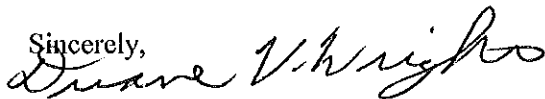
Dear Mr. Roth:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on October 06, 2013, referencing Work Order 2031221 as a rain event discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: This WQTC experienced a bypass of 80 gallons of fully treated wastewater when a heavy rain event caused the effluent channel to overflow. The total flow for the day was 14.8 MG. The peak plant flow for this event was 26.66 MGD. The peak design flow for this plant is 25 MGD
- Period of noncompliance: Starting 10:02 AM on October 06, 2013 and stopping 10:10 AM on October 06, 2013.
- Steps taken or planned to reduce, eliminate and prevent recurrence: The plant flow was maximized during this event.

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-239-7574, my cell phone at (502)-396-9142 or via email at [duane.wright@louisvillemsd.org](mailto:duane.wright@louisvillemsd.org).

Sincerely,  
  
Duane V. Wright  
Process Supervisor-Operations

cc: Courtney Seiz, KDEP  
Paula Purifoy, Wes Sydnor, Kevin Ries, Robert Bates - MSD  
eB File





Report Selections: Period: 10/01/2013 00:00 thru 10/31/2013 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 |
|-------------------|-------------|-------------------|--|------------------|--------------|
| SMH Sewer Manhole | 81710       | 9905 FAIRMOUNT RD |  | BIG RUN          | GROUND       |

| Activity Code / Description | WO #    | Ref No | Initiated       | Initiated By | Assigned To        | Disch Status                 | Event Date | Problem                 | Result                         | Completed         | Condition |
|-----------------------------|---------|--------|-----------------|--------------|--------------------|------------------------------|------------|-------------------------|--------------------------------|-------------------|-----------|
| DISREV:RAIN EVENT DISCHARGE | 2031303 |        | 10/6/13 1:20 pm | GREEN        | OPS BSHIFT CENTRAL | BEYOND APPROVED DESIGN STORM | 10/06/2013 | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHAGE - WATERS | 10/06/13 07:17 PM |           |

**Discharge Reporting:**

|                      |  |
|----------------------|--|
| Discharge Amount:    | 1,504 GAL  |
| Cause:               | LACK OF CAPACITY DUE TO RAIN EVENT                                     |
| Clean Up:            | MSD CLEANED & SANITIZED THE AREA                                       |
| Control Zone:        | TEMPORARY SIGNS & BARRICADES PLACED                                    |
| Impact:              | SEWAGE OBSERVED  |
| Repair:              | SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR |
| Public Notification: | TEMPORARY SIGNS & BARRICADES PLACED AROUND THE AFFECTED AREA           |

**Notifications:**

|                 |        |   |
|-----------------|--------|---|
| 10/6/13 1:00 pm | DISNOT | Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemad.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'                       |
| 10/6/13 1:00 pm | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemad.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov' |



Report Selections: Period: 10/01/2013 00:00 thru 10/31/2013 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 |
|---------------------------|-------------|---------------------|--|------------------|--------------|
| SPL Sewer Treatment Plant | MSD0289     | 8605 CEDAR CREEK RD |  | CEDAR CREEK      | GROUND       |

| Activity Code / Description | WO #    | Ref No | Initiated        | Initiated By | Assigned To | Disch Status | Event Date | Problem   | Result            | Completed      | Condition |
|-----------------------------|---------|--------|------------------|--------------|-------------|--------------|------------|-----------|-------------------|----------------|-----------|
| DISREV:RAIN EVENT DISCHARGE | 2031221 |        | 10/6/13 10:02 am | MARKS JR     | OPS BSHIFT  | BEYOND       | 10/06/2013 | BYPASS AT | UNAUTHORIZED      | 10/06/13 10:10 |           |
|                             |         |        |                  |              | CENTRAL     | APPROVED     |            | WQTC      | DISCHAGE - WATERS | AM             |           |
|                             |         |        |                  |              |             | DESIGN STORM |            |           |                   |                |           |

**Discharge Reporting:**

|                      |   |
|----------------------|---|
| Discharge Amount:    | 80 GAL  |
| Cause:               | excessive flow came out of channel ahead of parshal flume |
| Clean Up:            | no clean up   |
| Control Zone:        | temporary signs posted                                    |
| Impact:              | no impact   |
| Repair:              | no action rain event caused excessive flow                |
| Public Notification: | temporary signs posted to warn public                     |

**Notifications:**

|                 |        |   |
|-----------------|--------|---|
| 10/6/13 1:00 am | DISNOT | Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemسد.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'                       |
| 10/6/13 1:00 am | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemسد.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov' |

Total Facilities Printed: 2

Total Work Orders Printed: 2