



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

March 10, 2016

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

**RE: Hite Creek WQTC, KPDES No: KY0022420**  
**Discharge Monitoring Report for February 2016.**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Hite Creek WQTC, for the month of February 2016.

Also attached are discharge reports.

There were no exceedances or bypasses to report this month.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Duane V. Wright". The signature is fluid and cursive, with a large, stylized "D" and "W".

Duane V. Wright  
Process Supervisor, East Region

DVW/ Hite Creek. 02/16.

Enclosures

cc: T. Singleton  
R. Shaw



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

DMR Copy of Record

Permit

Permit #:

KY0022420

Major:

Yes

Permittee:

HITE CREEK WQTC MSD

Permittee Address:

5512 HITT LN  
LOUISVILLE, KY 40201

Facility:

HITE CREEK WQTC MSD

Facility Location:

5512 HITT LN  
LOUISVILLE, KY 40201

Permitted Feature:

001  
External Outfall

Discharge:

001-2  
MUNICIPAL WASTEWATER

Report Dates & Status

Monitoring Period:

From 02/01/16 to 02/29/16

DMR Due Date:

03/28/16

Status:

NetDMR Validated

Considerations for Form Completion

USE MO AVG FOR BOD/TSS REMV; REPT IN MINIMUM COLUMN.

Principal Executive Officer

First Name:

James A.

Last Name:

Parrott

Title:

Exec. Dir.

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI:

--

| Parameter |                                            | Monitoring Location     | Season # | Param. NODI |             | Quantity or Loading |                |             |                  |           | Quality or Concentration |             |             |                |             |                  |              | # of Ex. | Frequency of Analysis  | Sample Type |
|-----------|--------------------------------------------|-------------------------|----------|-------------|-------------|---------------------|----------------|-------------|------------------|-----------|--------------------------|-------------|-------------|----------------|-------------|------------------|--------------|----------|------------------------|-------------|
| Code      | Name                                       |                         |          |             |             | Qualifier 1         | Value 1        | Qualifier 2 | Value 2          | Units     | Qualifier 1              | Value 1     | Qualifier 2 | Value 2        | Qualifier 3 | Value 3          | Units        |          |                        |             |
| 00300     | Oxygen, dissolved [DO]                     | 1 - Effluent Gross      | 0        | --          | Sample      |                     |                |             |                  |           | =                        | 10          |             |                |             |                  | 19 - mg/L    | 0        | 01/01 - Daily          | GR - GRAB   |
|           |                                            |                         |          |             | Permit Req. |                     |                |             |                  |           | >=                       | 7 INST MIN  |             |                |             |                  | 19 - mg/L    |          | 03/07 - Three Per Week | GR - GRAB   |
|           |                                            |                         |          |             | Value NODI  |                     |                |             |                  |           |                          |             |             |                |             |                  |              |          |                        |             |
| 00400     | pH                                         | 1 - Effluent Gross      | 0        | --          | Sample      |                     |                |             |                  |           | =                        | 7           |             |                | =           | 8                | 12 - SU      | 0        | 01/01 - Daily          | GR - GRAB   |
|           |                                            |                         |          |             | Permit Req. |                     |                |             |                  |           | >=                       | 6 MINIMUM   |             |                | <=          | 9 MAXIMUM        | 12 - SU      |          | 03/07 - Three Per Week | GR - GRAB   |
|           |                                            |                         |          |             | Value NODI  |                     |                |             |                  |           |                          |             |             |                |             |                  |              |          |                        |             |
| 00530     | Solids, total suspended                    | 1 - Effluent Gross      | 0        | --          | Sample      | =                   | 391            | =           | 681              | 26 - lb/d |                          |             | =           | 7              | =           | 10               | 19 - mg/L    | 0        | 03/07 - Three Per Week | CP - COMPOS |
|           |                                            |                         |          |             | Permit Req. | <=                  | 1501 MO AVG    | <=          | 2252 MX WK AV    | 26 - lb/d |                          |             | <=          | 30 MO AVG      | <=          | 45 MX WK AV      | 19 - mg/L    |          | 03/07 - Three Per Week | CP - COMPOS |
|           |                                            |                         |          |             | Value NODI  |                     |                |             |                  |           |                          |             |             |                |             |                  |              |          |                        |             |
| 00530     | Solids, total suspended                    | G - Raw Sewage Influent | 0        | --          | Sample      | =                   | 15502          | =           | 18287            | 26 - lb/d |                          |             | =           | 310            | =           | 343              | 19 - mg/L    | 0        | 03/07 - Three Per Week | 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    |          | 03/07 - Three Per Week | CP - COMPOS |
|           |                                            |                         |          |             | Value NODI  |                     |                |             |                  |           |                          |             |             |                |             |                  |              |          |                        |             |
| 00610     | Nitrogen, ammonia total [as N]             | 1 - Effluent Gross      | 2        | --          | Sample      | =                   | 130            | =           | 266              | 26 - lb/d |                          |             | =           | 3              | =           | 5                | 19 - mg/L    | 0        | 03/07 - Three Per Week | CP - COMPOS |
|           |                                            |                         |          |             | Permit Req. | <=                  | 250 MO AVG     | <=          | 375 MX WK AV     | 26 - lb/d |                          |             | <=          | 5 MO AVG       | <=          | 7.5 MX WK AV     | 19 - mg/L    |          | 03/07 - Three Per Week | CP - COMPOS |
|           |                                            |                         |          |             | Value NODI  |                     |                |             |                  |           |                          |             |             |                |             |                  |              |          |                        |             |
| 00610     | Nitrogen, ammonia total [as N]             | G - Raw Sewage Influent | 0        | --          | Sample      | =                   | 793            | =           | 820              | 26 - lb/d |                          |             | =           | 17             | =           | 19               | 19 - mg/L    | 0        | 03/07 - Three Per Week | 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    |          | 03/07 - Three Per Week | CP - COMPOS |
|           |                                            |                         |          |             | Value NODI  |                     |                |             |                  |           |                          |             |             |                |             |                  |              |          |                        |             |
| 00665     | Phosphorus, total [as P]                   | 1 - Effluent Gross      | 2        | --          | Sample      |                     |                |             |                  |           |                          |             | =           | 0.5            | =           | 0.7              | 19 - mg/L    | 0        | 01/07 - Weekly         | CP - COMPOS |
|           |                                            |                         |          |             | Permit Req. |                     |                |             |                  |           |                          |             | <=          | 2 MO AVG       | <=          | 3 MX WK AV       | 19 - mg/L    |          | 01/07 - Weekly         | CP - COMPOS |
|           |                                            |                         |          |             | Value NODI  |                     |                |             |                  |           |                          |             |             |                |             |                  |              |          |                        |             |
| 50050     | Flow, in conduit or thru treatment plant   | 1 - Effluent Gross      | 0        | --          | Sample      | =                   | 5.954          | =           | 10.92            | 03 - MGD  |                          |             |             |                |             |                  |              | 0        | 99/99 - Continuous     | CN - CONTIN |
|           |                                            |                         |          |             | Permit Req. |                     | Req Mon MO AVG |             | Req Mon DAILY MX | 03 - MGD  |                          |             |             |                |             |                  |              |          | 99/99 - Continuous     | CN - CONTIN |
|           |                                            |                         |          |             | Value NODI  |                     |                |             |                  |           |                          |             |             |                |             |                  |              |          |                        |             |
| 74055     | Coliform, fecal general                    | 1 - Effluent Gross      | 0        | --          | Sample      |                     |                |             |                  |           |                          |             | =           | 3              | =           | 4                | 13 - #/100mL | 0        | 03/07 - Three Per Week | GR - GRAB   |
|           |                                            |                         |          |             | Permit Req. |                     |                |             |                  |           |                          |             | <=          | 200 30DA GEO   | <=          | 400 7 DA GEO     | 13 - #/100mL |          | 03/07 - Three Per Week | GR - GRAB   |
|           |                                            |                         |          |             | Value NODI  |                     |                |             |                  |           |                          |             |             |                |             |                  |              |          |                        |             |
| 80082     | BOD, carbonaceous [5 day, 20 C]            | 1 - Effluent Gross      | 0        | --          | Sample      | =                   | 199            | =           | 280              | 26 - lb/d |                          |             | =           | 4              | =           | 5                | 19 - mg/L    | 0        | 03/07 - Three Per Week | CP - COMPOS |
|           |                                            |                         |          |             | Permit Req. | <=                  | 500 MO AVG     | <=          | 751 MX WK AV     | 26 - lb/d |                          |             | <=          | 10 MO AVG      | <=          | 15 MX WK AV      | 19 - mg/L    |          | 03/07 - Three Per Week | CP - COMPOS |
|           |                                            |                         |          |             | Value NODI  |                     |                |             |                  |           |                          |             |             |                |             |                  |              |          |                        |             |
| 80082     | BOD, carbonaceous [5 day, 20 C]            | G - Raw Sewage Influent | 0        | --          | Sample      | =                   | 7451           | =           | 7859             | 26 - lb/d |                          |             | =           | 154            | =           | 178              | 19 - mg/L    | 0        | 03/07 - Three Per Week | 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    |          | 03/07 - Three Per Week | CP - COMPOS |
|           |                                            |                         |          |             | Value NODI  |                     |                |             |                  |           |                          |             |             |                |             |                  |              |          |                        |             |
| 80091     | BOD, carb-5 day, 20 deg C, percent removal | K - Percent Removal     | 0        | --          | Sample      |                     |                |             |                  |           | =                        | 98          |             |                |             |                  | 23 - %       | 0        | 01/30 - Monthly        | CA - CALCTD |
|           |                                            |                         |          |             | Permit Req. |                     |                |             |                  |           | >=                       | 85 MO AV MN |             |                |             |                  | 23 - %       |          | 01/30 - Monthly        | CA - CALCTD |
|           |                                            |                         |          |             | Value NODI  |                     |                |             |                  |           |                          |             |             |                |             |                  |              |          |                        |             |
| 81011     | Solids, suspended percent removal          | K - Percent Removal     | 0        | --          | Sample      |                     |                |             |                  |           | =                        | 98          |             |                |             |                  | 23 - %       | 0        | 01/30 - Monthly        | CA - CALCTD |
|           |                                            |                         |          |             | Permit Req. |                     |                |             |                  |           | >=                       | 85 MO MIN   |             |                |             |                  | 23 - %       |          | 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                                            |
| HC022016_MOR.pdf              | pdf                          | 58850                                           |
| 201602_HiteCreek_Overflow.pdf | pdf                          | 1264587                                         |
| HC022016_COVER.pdf            | pdf                          | 46926                                           |
| Report Last Saved By          |                              |                                                 |
| HITE CREEK WQTC MSD           |                              |                                                 |
| User:                         | kevin.ries@louisvillemsd.org | Date/Time: 2016-03-16 10:43 (Time Zone: -04:00) |
| Name:                         | Kevin Ries                   |                                                 |
| E-Mail:                       | kevin.ries@louisvillemsd.org |                                                 |

DMR Copy of Record

Permit

Permit #:

KY0022420

Major:

Yes

Permittee:

HITE CREEK WQTC MSD

Permittee Address:

5512 HITT LN  
LOUISVILLE, KY 40201

Facility:

HITE CREEK WQTC MSD

Facility Location:

5512 HITT LN  
LOUISVILLE, KY 40201

Permitted Feature:

001  
External Outfall

Discharge:

001-R  
REASONABLE POTENTIAL

Report Dates & Status

Monitoring Period:

From 02/01/16 to 02/29/16

DMR Due Date:

03/28/16

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

James A.

Last Name:

Parrott

Title:

Exec. Dir.

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI:

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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  |
|--------------------|------|-------|
| HC022016_COVER.pdf | pdf  | 46926 |

Report Last Saved By

HITE CREEK WQTC MSD

User:

kevin.ries@louisvillemسد.org

Name:

Kevin Ries

E-Mail:

kevin.ries@louisvillemسد.org

Date/Time:

2016-03-15 10:31 (Time Zone: -04:00)

NAME OF TREATMENT PLANT HITE CREEK WTPCOUNTY JEFFERSON

MONTH OF: February 2016

KPDES PERMIT NUMBER KY0022420PLANT CAPACITY 4.4 MGDRECEIVING STREAM HITE CREEK

| DATE | TOTAL FLOW<br>(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        |                                    |                 |                               |                      |                         |                             |                               |       |  |  |  |  |
|------|---------------------------------|------------------------------|----------------------------|----|-------------------------|-------|------------------|-------------------------|--------------|----------------|-------------------------|-----|------------------|-------------------|-----|------------------|------------------|-------------------|---------------|-----------------|----------------------------|-----------------------|------------------------|--------------------------|---------|-------------------|-----------------|----------------------|--------------|----------------------|--|--------------------------------|--------------|------------------------------------|-----------------|-------------------------------|----------------------|-------------------------|-----------------------------|-------------------------------|-------|--|--|--|--|
|      |                                 | GRIT REMOVED<br>(CUBIC FEET) | SCREENINGS<br>(CUBIC FEET) |    | RAW                     | FINAL | PRIMARY EFFLUENT | FINAL EFFLUENT          | STREAM ABOVE | FINAL EFFLUENT | STREAM BELOW            | RAW | PRIMARY EFFLUENT | FINAL EFFLUENT    | RAW | PRIMARY EFFLUENT | FINAL EFFLUENT   | GAL/DAY<br>X 1000 | MLSS<br>x1000 | MLVSS<br>X 1000 | DISSOLVED<br>OXYGEN (mg/L) | MLSS (mg/L)<br>X 1000 | MLVSS (mg/L)<br>X 1000 | SETTLED<br>SLUDGE VOLUME |         | RAW               |                 |                      | HAULED       |                      |  | WITHDRAWN<br>GALLONS<br>X 1000 | NH3-N (mg/L) | FECAL COLIFORM<br>(COLONIES/100ML) | Phosphorus mg/L | Cadmium, Total<br>Recoverable | Hardness as<br>CaCO3 | Chromium,<br>Hexavalent | Cyanide, Free<br>(Amenable) | Mercury, Total<br>Recoverable |       |  |  |  |  |
|      |                                 |                              |                            |    |                         |       |                  |                         |              |                |                         |     |                  |                   |     |                  |                  |                   |               |                 |                            |                       |                        | 30 MIN.                  | 60 MIN. | GALLONS<br>X 1000 | % DRY SOLIDS    | % VOLATILE<br>SOLIDS | % DRY SOLIDS | % VOLATILE<br>SOLIDS |  |                                |              |                                    |                 |                               |                      |                         |                             |                               |       |  |  |  |  |
| 1    | 4.495                           |                              |                            |    | 7.3                     | 20.0  |                  | 0.0                     |              | 9.6            |                         |     | 304              |                   |     | 5                | 162              |                   | 2             | 2.67            | 10.44                      | 59.2                  | 3.5                    | 4.27                     | 3.69    | 350               |                 |                      |              |                      |  |                                | 75.6         | 6.2                                |                 | 0.74                          |                      |                         |                             |                               |       |  |  |  |  |
| 2    | 4.736                           | 36                           | 36                         |    | 7.7                     | 20.0  |                  | 0.0                     |              | 9.8            |                         |     | 328              |                   |     | 9                | 155              |                   | 5             | 2.74            | 13.62                      | 36.2                  | 4.7                    | 5.08                     | 4.05    | 470               |                 |                      |              |                      |  |                                | 86.1         | 5.6                                | 2               |                               |                      |                         |                             |                               |       |  |  |  |  |
| 3    | 9.747                           |                              |                            |    | 7.5                     | 15.0  |                  | 0.0                     |              | 11.3           |                         |     | 284              |                   |     | 9                | 140              |                   | 7             | 2.48            | 15.86                      | 23                    | 5.2                    | 3.68                     | 2.91    | 300               |                 |                      |              |                      |  |                                | 1.58         | 78                                 | 80.1            | 5.2                           | 3                    |                         |                             |                               |       |  |  |  |  |
| 4    | 6.855                           |                              |                            |    | 7.6                     | 20.0  |                  | 0.0                     |              | 10.3           |                         |     |                  |                   |     |                  |                  |                   |               | 1.78            | 16.78                      | 23                    | 4.8                    | 4.31                     | 3.41    | 350               |                 |                      |              |                      |  |                                | 73.8         | 3.3                                | 4               |                               |                      |                         |                             |                               |       |  |  |  |  |
| 5    | 6.05                            | 36                           | 36                         |    | 7.5                     | 20.0  |                  | 0.0                     |              | 10.1           |                         |     |                  |                   |     |                  |                  |                   |               | 2.65            | 14.77                      | 26.3                  | 4.8                    | 4.59                     | 3.37    | 600               |                 |                      |              |                      |  |                                | 73.8         |                                    |                 |                               |                      |                         |                             |                               |       |  |  |  |  |
| 6    | 5.675                           |                              |                            |    | 7.8                     | 20.0  |                  | 0.0                     |              | 10.1           |                         |     |                  |                   |     |                  |                  |                   |               | 3.05            | 14.32                      | 52.6                  | 7.2                    | 5.71                     | 5.02    | 600               |                 |                      |              |                      |  |                                | 103.5        |                                    |                 |                               |                      |                         |                             |                               |       |  |  |  |  |
| 7    | 5.435                           |                              |                            |    | 7.8                     | 20.0  |                  | 0.0                     |              | 10.4           |                         |     |                  |                   |     |                  |                  |                   |               | 3.1             | 12.84                      | 59.2                  | 7.2                    | 5.89                     | 4.69    | 650               |                 |                      |              |                      |  |                                | 0            |                                    |                 |                               |                      |                         |                             |                               |       |  |  |  |  |
| 8    | 5.433                           |                              |                            |    | 7.7                     | 20.0  |                  | 0.0                     |              | 10.1           |                         |     | 304              |                   |     | 5                | 164              |                   | 3             | 3.19            | 12.14                      | 59.2                  | 5.5                    | 5.65                     | 4.69    | 600               |                 |                      |              |                      |  |                                | 73.8         | 2.3                                | 0.429           |                               |                      |                         |                             |                               |       |  |  |  |  |
| 9    | 5.331                           | 36                           | 36                         |    | 7.7                     | 20.0  |                  | 0.0                     |              | 9.7            |                         |     | 244              |                   |     | 5                | 136              |                   | 2             | 3.41            | 12.13                      | 65.7                  | 4.6                    | 5.39                     | 4.25    | 600               |                 |                      |              |                      |  |                                | 61.8         | 1.8                                | 2               |                               | 0.00025              |                         | 230                         |                               |       |  |  |  |  |
| 10   | 5.317                           |                              |                            |    | 7.7                     | 20.0  |                  | 0.0                     |              | 10.0           |                         |     | 370              |                   |     | 6                | 188              |                   | 4             | 3.79            | 10.58                      | 65.7                  | 4.7                    | 4.81                     | 3.86    | 500               |                 |                      |              |                      |  | 1.08                           | 83           | 111.9                              | 1.1             | 2                             |                      |                         |                             | 0.003                         | 0.005 |  |  |  |  |
| 11   | 5.197                           |                              |                            |    | 7.8                     | 20.0  |                  | 0.0                     |              | 10.1           |                         |     |                  |                   |     |                  |                  |                   |               | 3.22            | 10.56                      | 65.7                  | 4.9                    | 4.49                     | 3.66    | 460               |                 |                      |              |                      |  |                                | 38.3         |                                    | 4               |                               |                      |                         |                             |                               |       |  |  |  |  |
| 12   | 4.898                           | 36                           | 36                         |    | 7.8                     | 20.0  |                  | 0.0                     |              | 10.0           |                         |     |                  |                   |     |                  |                  |                   |               | 3.28            | 8.18                       | 85.4                  | 4.9                    | 4.36                     | 3.62    | 500               |                 |                      |              |                      |  |                                | 55.5         |                                    |                 |                               |                      |                         |                             |                               |       |  |  |  |  |
| 13   | 4.928                           |                              |                            |    | 7.7                     | 20.0  |                  | 0.0                     |              | 9.9            |                         |     |                  |                   |     |                  |                  |                   |               | 3.26            | 9.27                       | 85.4                  | 5                      | 4.88                     | 3.95    | 500               |                 |                      |              |                      |  |                                | 55.5         |                                    |                 |                               |                      |                         |                             |                               |       |  |  |  |  |
| 14   | 4.688                           |                              |                            |    | 7.6                     | 15.0  |                  | 0.0                     |              | 10.1           |                         |     |                  |                   |     |                  |                  |                   |               | 3.03            | 10.2                       | 85.4                  | 4.8                    | 5.21                     | 4.17    | 500               |                 |                      |              |                      |  |                                | 0            |                                    |                 |                               |                      |                         |                             |                               |       |  |  |  |  |
| 15   | 4.537                           |                              |                            |    | 7.8                     | 20.0  |                  | 0.0                     |              | 9.9            |                         |     | 330              |                   |     | 6                | 163              |                   | 2             | 3.17            | 9.92                       | 88.7                  | 5.2                    | 5.23                     | 4.14    | 500               |                 |                      |              |                      |  |                                | 37.8         | 0.98                               | 0.532           |                               |                      |                         |                             |                               |       |  |  |  |  |
| 16   | 5.178                           | 36                           | 36                         |    | 7.7                     | 18.0  |                  | 0.0                     |              | 10.2           |                         |     | 476              |                   |     | 4                | 219              |                   | 3             | 3.2             | 10.39                      | 75.6                  | 5.1                    | 4.14                     | 3.4     | 450               |                 |                      |              |                      |  |                                | 138.6        | 1.3                                | 20              |                               |                      |                         |                             |                               |       |  |  |  |  |
| 17   | 5.169                           |                              |                            |    | 7.5                     | 20.0  |                  | 0.0                     |              | 10.1           |                         |     | 224              |                   |     | 6                | 152              |                   | 3             | 3.42            | 10.75                      | 75.6                  | 4.9                    | 4.18                     | 3.66    | 500               |                 |                      |              |                      |  |                                | 75.6         | 1.5                                | 2               |                               |                      |                         |                             |                               |       |  |  |  |  |
| 18   | 5.033                           |                              |                            |    | 7.6                     | 15.0  |                  | 0.0                     |              | 10.2           |                         |     |                  |                   |     |                  |                  |                   |               | 3.04            | 12.34                      | 65.7                  | 2.9                    | 4.35                     | 2.53    | 450               |                 |                      |              |                      |  |                                | 1.95         | 62                                 | 114.6           |                               | 2                    |                         |                             |                               |       |  |  |  |  |
| 19   | 4.96                            | 36                           | 36                         |    | 7.8                     | 20.0  |                  | 0.0                     |              | 10.0           |                         |     |                  |                   |     |                  |                  |                   |               | 3.42            | 9.84                       | 88.7                  | 6.1                    | 4.49                     | 3.53    | 550               |                 |                      |              |                      |  |                                | 119.3        |                                    |                 |                               |                      |                         |                             |                               |       |  |  |  |  |
| 20   | 4.944                           |                              |                            |    | 7.7                     | 17.0  |                  | 0.0                     |              | 9.9            |                         |     |                  |                   |     |                  |                  |                   |               | 3.17            | 9.5                        | 88.7                  | 6.1                    | 4.41                     | 3.71    | 525               |                 |                      |              |                      |  |                                | 75.6         |                                    |                 |                               |                      |                         |                             |                               |       |  |  |  |  |
| 21   | 6.918                           |                              |                            |    | 7.6                     | 25.0  |                  | 0.0                     |              | 10.0           |                         |     |                  |                   |     |                  |                  |                   |               | 3.22            | 8.82                       | 88.7                  | 5.6                    | 4.05                     | 3.49    | 450               |                 |                      |              |                      |  |                                | 0            |                                    |                 |                               |                      |                         |                             |                               |       |  |  |  |  |
| 22   | 6.686                           |                              |                            |    | 7.7                     | 18.0  |                  | 0.0                     |              | 9.6            |                         |     | 216              |                   |     | 7                | 95               |                   | 3             | 3.25            | 11.86                      | 59.2                  | 6.9                    | 3.66                     | 3       | 350               |                 |                      |              |                      |  |                                | 75.6         | 0.83                               | 0.437           |                               |                      |                         |                             |                               |       |  |  |  |  |
| 23   | 5.68                            | 36                           | 36                         |    | 7.6                     | 25.0  |                  | 0.0                     |              | 11.0           |                         |     | 354              |                   |     | 8                | 180              |                   | 4             | 3.39            | 10.58                      | 78.8                  | 6.7                    | 4.4                      | 3.49    | 450               |                 |                      |              |                      |  |                                | 75.6         | 0.6                                | 4               |                               |                      |                         |                             |                               |       |  |  |  |  |
| 24   | 10.92                           |                              |                            |    | 7.7                     | 20.0  |                  | 0.0                     |              | 10.4           |                         |     | 286              |                   |     | 14               | 88               |                   | 5             | 3.21            | 13.06                      | 55.9                  | 6.8                    | 3.03                     | 2.41    | 300               |                 |                      |              |                      |  |                                | 1.54         | 77                                 | 113.4           | 1.8                           | 4                    |                         |                             |                               |       |  |  |  |  |
| 25   | 7.88                            |                              |                            |    | 7.5                     | 15.0  |                  | 0.0                     |              | 11.5           |                         |     |                  |                   |     |                  |                  |                   |               | 3.22            | 12.5                       | 72.28                 | 8.1                    | 3.73                     | 2.92    | 340               |                 |                      |              |                      |  |                                | 113.4        |                                    | 4               |                               |                      |                         |                             |                               |       |  |  |  |  |
| 26   | 7.39                            | 36                           | 36                         |    | 7.7                     | 10.0  |                  | 0.0                     |              | 10.0           |                         |     |                  |                   |     |                  |                  |                   |               | 3.26            | 10.7                       | 85.4                  | 7.6                    | 3.71                     | 2.96    | 350               |                 |                      |              |                      |  |                                | 107.1        |                                    |                 |                               |                      |                         |                             |                               |       |  |  |  |  |
| 27   | 6.78                            |                              |                            |    | 7.6                     | 20.0  |                  | 0.0                     |              | 11.1           |                         |     |                  |                   |     |                  |                  |                   |               | 3.26            | 9.98                       | 92                    | 6.5                    | 3.82                     | 3.02    | 300               |                 |                      |              |                      |  |                                | 99.3         |                                    |                 |                               |                      |                         |                             |                               |       |  |  |  |  |
| 28   | 6.06                            |                              |                            |    | 7.8                     | 10.0  |                  | 0.0                     |              | 11.3           |                         |     |                  |                   |     |                  |                  |                   |               | 3.28            | 9.26                       | 98.6                  | 6.3                    | 3.81                     | 2.99    | 300               |                 |                      |              |                      |  |                                | 0            |                                    |                 |                               |                      |                         |                             |                               |       |  |  |  |  |
| 29   | 5.75                            |                              |                            |    | 7.7                     | 10.0  |                  | 0.0                     |              | 10.7           |                         |     |                  |                   |     |                  |                  |                   |               | 3.3             | 10.59                      | 98.6                  | 6.1                    | 4.39                     | 3.41    | 350               |                 |                      |              |                      |  |                                | 63           |                                    |                 |                               |                      |                         |                             |                               |       |  |  |  |  |
| 30   |                                 |                              |                            |    |                         |       |                  |                         |              |                |                         |     |                  |                   |     |                  |                  |                   |               |                 |                            |                       |                        |                          |         |                   |                 |                      |              |                      |  |                                |              |                                    |                 |                               |                      |                         |                             |                               |       |  |  |  |  |
| 31   |                                 |                              |                            |    |                         |       |                  |                         |              |                |                         |     |                  |                   |     |                  |                  |                   |               |                 |                            |                       |                        |                          |         |                   |                 |                      |              |                      |  |                                |              |                                    |                 |                               |                      |                         |                             |                               |       |  |  |  |  |
| Tot. | 172.7                           | 288                          | 288                        |    |                         |       |                  |                         |              |                |                         |     |                  |                   |     |                  |                  |                   |               | 90.46           |                            |                       |                        |                          |         |                   |                 |                      |              |                      |  |                                | 2099         |                                    |                 |                               |                      |                         |                             |                               |       |  |  |  |  |
| Avg. | 5.954                           | 36                           | 36                         |    | 7.7                     | 18.4  |                  |                         |              | 10.3           |                         |     | 310              |                   |     | 7                | 154              |                   | 4             | 3.119           | 11.44                      | 69.12                 | 5.61                   | 4.473                    | 3.586   | 453.3             |                 |                      |              |                      |  | 1.538                          | 75           | 72.37                              | 2.50            | 3                             | 0.53                 | 0.000250                | 230.00                      | 0.003                         | 0.01  |  |  |  |  |

RESIDENTIAL  
COMMERCIAL  
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

56707  
FLOW44838  
CBOD73305  
TSSEarl Dunn  
OPERATOR7626  
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-241-9310

PLANT TELEPHONE

Report Selections: Period: 02/01/2016 00:00 thru 02/29/2016 23:59, 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 |
|-----------|-------------|--------------------------------|--------------------------------------|--------|
| KY0022420 | MSD0202     | HITE CREEK                     | HITE CREEK                           | EAST   |

| Facility Type     | Facility ID | Facility Address      | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|-----------------------|----------------------------------------|------------------|--------------|
| SMH Sewer Manhole | 108674      | 10723 COPPER RIDGE DR |                                        | HITE CREEK       | STREAM       |

| Activity Code / Description       | WO #    | Ref No | Initiated  | Initiated By | Assigned To        | Disch Status                       | Event Date | Problem                       | Result                            | Completed            | Condition |
|-----------------------------------|---------|--------|------------|--------------|--------------------|------------------------------------|------------|-------------------------------|-----------------------------------|----------------------|-----------|
| : DISREV: RAIN EVENT<br>DISCHARGE | 2511613 |        | 02/24/2016 | WRIGHT       | OPS BSHIFT<br>EAST | BEYOND<br>APPROVED<br>DESIGN STORM | 04/07/2015 | LACK OF<br>SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHAGE - WATERS | 03/02/16 10:51<br>AM |           |

**Discharge Reporting:**

|                      |                                                      |
|----------------------|------------------------------------------------------|
| Discharge Amount:    | 284,500 GAL                                          |
| Cause:               | ONLY 2 PUMPS IN WW @ HITE CREEK<br>MH RISER OFF BASE |
| Clean Up:            | MSD CLEANED AND SANITIZED AREA                       |
| Control Zone:        | PERMANENT AND TEMP SIGNS                             |
| Impact:              | SEWAGE                                               |
| Repair:              | REPAIR RISER                                         |
| Public Notification: | PERMANENT AND TEMP SIGNS & DOOR HANGERS              |

**Notifications:**

|                 |        |                                                                                                                                                  |
|-----------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 2/24/16 1:00 am | DISNOT | EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG,<br>SAYRE.DENNIS@EPAMAIL.EPA.GOV'                       |
| 2/24/16 1:00 am | DISSNO | SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG,<br>SAYRE.DENNIS@EPAMAIL.EPA.GOV' |

Report Selections: Period: 02/01/2016 00:00 thru 02/29/2016 23:59, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

|                |                    |                                       |                                             |               |
|----------------|--------------------|---------------------------------------|---------------------------------------------|---------------|
| <b>KPDES #</b> | <b>Facility ID</b> | <b>Water Quality Treatment Center</b> | <b>Receiving Stream of Treatment Center</b> | <b>Region</b> |
| KY0022420      | MSD0202            | HITE CREEK                            | HITE CREEK                                  | EAST          |

|                      |                    |                         |                                               |                         |                     |
|----------------------|--------------------|-------------------------|-----------------------------------------------|-------------------------|---------------------|
| <b>Facility Type</b> | <b>Facility ID</b> | <b>Facility Address</b> | <b>If Pump Station, Name of Pump Station:</b> | <b>Receiving Stream</b> | <b>Discharge to</b> |
| SMH Sewer Manhole    | 66723              | 6605 GUNPOWDER LN       |                                               | HITE CREEK              | STREAM              |

|                                    |             |               |                  |                     |                       |                                 |                   |                       |                                    |                      |                  |
|------------------------------------|-------------|---------------|------------------|---------------------|-----------------------|---------------------------------|-------------------|-----------------------|------------------------------------|----------------------|------------------|
| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Ref No</u> | <u>Initiated</u> | <u>Initiated By</u> | <u>Assigned To</u>    | <u>Disch Status</u>             | <u>Event Date</u> | <u>Problem</u>        | <u>Result</u>                      | <u>Completed</u>     | <u>Condition</u> |
| : DISREV: RAIN EVENT<br>DISCHARGE  | 2511723     |               | 02/24/2016       | SPENCER             | OPS BSHIFT<br>CENTRAL | REPAIRED -<br>ISSUE<br>RESOLVED | 02/24/2016        | STRUCTURAL<br>FAILURE | UNAUTHORIZED<br>DISCHARGE - WATERS | 02/24/16 03:30<br>PM |                  |

**Discharge Reporting:**

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Discharge Amount:    | 20,250 GAL                                       |
| Cause:               | CLEAN OUT CAP BROKEN                             |
| Clean Up:            | MSD CLEANED & SANITIZED THE AREA                 |
| Control Zone:        | TEMPORARY SIGNS                                  |
| Impact:              | DEBRIS OBSERVED OUT OF MANHOLE                   |
| Repair:              | MSD EMPLOYEES REPLACED THE CLEAN OUT CAP         |
| Public Notification: | TEMPORARY SIGNS POSTED. ADVISED CUSTOMER ON SITE |

**Notifications:**

|                 |        |                                                                                                                                               |
|-----------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 2/24/16 1:00 am | DISNOT | EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'                       |
| 2/24/16 1:00 am | DISSNO | SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV' |