



Safe, clean waterways

700 West Liberty Street | Louisville, KY 40203-1911  
Phone: 502.587.0603 | Fax: 502.540.6106 | louisvillemsd.org

May 18, 2021

Crystal Dennis  
300 Sower Blvd., 3rd Floor  
Frankfort, Kentucky 40601

**RE: Hite Creek WQTC, KPDES No: KY0022420  
Discharge Monitoring Report for April 2021.**

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Hite Creek WQTC, for the month of April 2021.

There were no bypasses, overflows or exceedances.

If you have any questions concerning the attached DMR's, please contact me at (502)587-5858.

Sincerely,

Staci Huber  
Process Supervisor

SH/ Hite Creek. 05/21.

Cc: V. Teague  
R. Shaw

NAME OF TREATMENT PLANT HITE CREEK WTP COUNTY JEFFERSON MONTH OF: April 2021  
 KPDES PERMIT NUMBER KY0022420 PLANT CAPACITY 4.4 MGD RECEIVING STREAM HITE CREEK

| DATE | TOTAL EFF FLOW (MILLION GALLONS) | RAW SEWAGE                |                         | SETTLABLE SOLIDS (mg/L) |       |     | DISSOLVED OXYGEN (mg/L) |                |              | SUSPENDED SOLIDS (mg/L) |              |     | 5 DAY CBOD (mg/L) |                |     | ACTIVATED SLUDGE |                |        | AERATION BASIN |          |                        |             |              |                       | SLUDGE HANDLING |                |              |                   | FINAL        |              |       |                 |                |                   |                          |      |      |  |  |
|------|----------------------------------|---------------------------|-------------------------|-------------------------|-------|-----|-------------------------|----------------|--------------|-------------------------|--------------|-----|-------------------|----------------|-----|------------------|----------------|--------|----------------|----------|------------------------|-------------|--------------|-----------------------|-----------------|----------------|--------------|-------------------|--------------|--------------|-------|-----------------|----------------|-------------------|--------------------------|------|------|--|--|
|      |                                  | GRIT REMOVED (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 | MG/DAY | MLSS (mg/L)    | MLSS GAL | DISOLVED OXYGEN (mg/L) | MLSS (mg/L) | MLVSS (mg/L) | SETTLED SLUDGE VOLUME |                 | RAW            |              | HAULED            |              | NH3-N (mg/L) | EColi | Phosphorus mg/L | Total Nitrogen |                   |                          |      |      |  |  |
|      |                                  |                           |                         |                         |       |     |                         |                |              |                         |              |     |                   |                |     |                  |                |        |                |          |                        |             |              | 30 MIN.               | 60 MIN.         | CALLONS X 1000 | % DRY SOLIDS | % VOLATILE SOLIDS | % DRY SOLIDS |              |       |                 |                | % VOLATILE SOLIDS | WITHDRAWN CALLONS X 1000 |      |      |  |  |
| 1    | 4.908                            |                           |                         | 7.0                     | 7.3   |     |                         |                |              |                         |              |     |                   |                |     |                  | 3.408          | 12330  | 88600          | 4.5      | 5720                   | 4490        | 550          |                       |                 |                |              |                   |              |              |       |                 |                | 0.2               |                          | 0.3  |      |  |  |
| 2    | 5.073                            |                           |                         |                         |       |     |                         |                |              |                         |              |     |                   |                |     |                  | 2.62           | 12120  | 98000          | 4.6      | 5970                   | 4770        | 620          |                       |                 |                |              |                   |              |              |       |                 |                |                   | 16                       |      |      |  |  |
| 3    | 4.403                            |                           |                         |                         |       |     |                         |                |              |                         |              |     |                   |                |     |                  | 1.83           |        | 92500          | 4.9      |                        |             |              | 580                   |                 |                |              |                   |              |              |       |                 |                |                   |                          |      |      |  |  |
| 4    | 3.664                            |                           |                         |                         | 7.2   |     |                         |                | 9.5          |                         | 198          |     | 6                 | 87             |     | 4                | 2.016          |        | 89300          | 4.1      |                        |             |              | 450                   |                 |                |              |                   |              |              |       |                 | 0.2            |                   |                          | 13.1 |      |  |  |
| 5    | 3.701                            |                           |                         | 7.1                     | 7.4   |     |                         |                | 9.4          |                         | 1170         |     | 6                 | 401            |     | 4                | 1.441          |        | 50660          | 5.1      |                        |             |              | 440                   |                 |                |              |                   |              |              |       | 0.2             | 1              |                   |                          |      |      |  |  |
| 6    | 3.746                            |                           |                         |                         |       |     |                         |                |              |                         |              |     |                   |                |     |                  | 1.758          | 14490  | 79822          | 6.7      | 6380                   | 5260        | 580          |                       |                 |                |              |                   |              |              |       |                 | 771            |                   |                          |      |      |  |  |
| 7    | 3.961                            |                           |                         |                         |       |     |                         |                |              |                         |              |     |                   |                |     |                  | 1.642          | 15540  | 83600          | 5.5      | 5390                   | 4500        | 420          |                       |                 |                |              |                   |              |              |       |                 |                |                   |                          |      |      |  |  |
| 8    | 4.383                            |                           |                         | 7.1                     | 7.2   |     |                         |                | 9.2          |                         | 138          |     | 5                 | 123            |     | 4                | 1.605          | 13900  | 90700          | 5.4      | 4290                   | 3520        | 380          |                       |                 |                |              |                   |              |              |       | 0.28            |                | 0.3               |                          |      |      |  |  |
| 9    | 3.994                            |                           |                         |                         |       |     |                         |                |              |                         |              |     |                   |                |     |                  | 1.613          | 13060  | 69700          | 5.3      | 3930                   | 3160        | 360          |                       |                 |                |              |                   |              |              |       |                 | 10             |                   |                          |      |      |  |  |
| 10   | 4.576                            |                           |                         |                         |       |     |                         |                |              |                         |              |     |                   |                |     |                  | 2.069          |        | 71211          | 5.6      |                        |             |              | 300                   |                 |                |              |                   |              |              |       |                 |                |                   |                          |      |      |  |  |
| 11   | 5.281                            |                           |                         | 7.0                     | 7.1   |     |                         |                | 9.6          |                         | 187          |     | 6                 | 165            |     | 5                | 4.204          |        | 69700          | 5.8      |                        |             |              | 320                   |                 |                |              |                   |              |              |       | 0.2             |                |                   |                          | 11.3 |      |  |  |
| 12   | 5.085                            |                           |                         | 7.2                     | 7.4   |     |                         |                | 9.5          |                         | 218          |     | 7                 | 154            |     | 4                | 3.975          | 10670  | 62300          | 5.8      | 4740                   | 3740        | 430          |                       |                 |                |              |                   |              |              |       | 0.2             | 1              |                   |                          |      |      |  |  |
| 13   | 4.63                             |                           |                         | 7.3                     | 7.5   |     |                         |                |              |                         |              |     |                   |                |     |                  | 3.85           | 10510  | 65000          | 6.2      | 6130                   | 4910        | 460          |                       |                 |                |              |                   |              |              |       |                 | 2              |                   |                          |      |      |  |  |
| 14   | 4.299                            |                           |                         |                         |       |     |                         |                |              |                         |              |     |                   |                |     |                  | 3.846          | 11000  | 74600          | 6.2      | 4790                   | 3860        | 400          |                       |                 |                |              |                   |              |              |       |                 |                |                   |                          |      |      |  |  |
| 15   | 4.155                            |                           |                         |                         | 7.4   |     |                         |                |              |                         | 232          |     | 8                 | 160            |     | 3                | 4.063          | 11190  | 83000          | 5.7      | 4990                   | 4110        | 400          |                       |                 |                |              |                   |              |              | 0.53  |                 | 0.3            |                   |                          |      |      |  |  |
| 16   | 4.623                            |                           |                         | 7.2                     |       |     |                         |                | 9.5          |                         |              |     |                   |                |     |                  | 2.757          | 9450   | 64000          | 5.8      | 4650                   | 3850        | 500          |                       |                 |                |              |                   |              |              |       |                 | 2              |                   |                          |      |      |  |  |
| 17   | 4.16                             |                           |                         |                         |       |     |                         |                |              |                         |              |     |                   |                |     |                  | 1.937          | 14910  | 67000          | 6.4      | 4820                   | 3980        | 350          |                       |                 |                |              |                   |              |              |       |                 |                |                   |                          |      |      |  |  |
| 18   | 3.625                            |                           |                         |                         | 7.2   |     |                         |                | 9.2          |                         | 149          |     | 17                | 164            |     | 6                | 1.767          | 12720  | 66000          | 5.8      | 5300                   | 4300        | 420          |                       |                 |                |              |                   |              |              |       |                 | 0.3            |                   |                          |      | 15.1 |  |  |
| 19   | 3.735                            |                           |                         | 7.2                     | 7.1   |     |                         |                | 9.0          |                         | 204          |     | 11                | 210            |     | 20               | 1.889          | 13950  | 67000          | 4.3      | 4100                   | 3610        | 350          |                       |                 |                |              |                   |              |              |       | 0.52            | 38             |                   |                          |      |      |  |  |
| 20   | 3.727                            |                           |                         | 7.3                     | 7.2   |     |                         |                | 9.3          |                         |              |     |                   |                |     |                  | 1.935          | 12710  | 64000          | 4.5      | 4530                   | 4070        | 320          |                       |                 |                |              |                   |              |              |       | 2               |                |                   |                          |      |      |  |  |
| 21   | 2.211                            |                           |                         |                         |       |     |                         |                |              |                         |              |     |                   |                |     |                  | 1.786          | 14240  | 72000          | 4.5      | 4860                   | 4000        | 410          |                       |                 |                |              |                   |              |              |       |                 |                |                   |                          |      |      |  |  |
| 22   | 4.398                            |                           |                         | 7.3                     | 7.2   |     |                         |                | 9.3          |                         | 210          |     | 15                | 208            |     | 6                | 1.78           | 12420  | 68500          | 4.9      | 3870                   | 3200        | 350          |                       |                 |                |              |                   |              |              |       | 0.72            |                | 0.422             |                          |      |      |  |  |
| 23   | 4.141                            |                           |                         | 7.2                     | 7.2   |     |                         |                | 9.3          |                         |              |     |                   |                |     |                  | 2.094          | 13170  | 67000          | 5.2      | 3160                   | 2900        | 410          |                       |                 |                |              |                   |              |              |       | 1               |                |                   |                          |      |      |  |  |
| 24   | 3.916                            |                           |                         |                         |       |     |                         |                |              |                         |              |     |                   |                |     |                  | 3.176          |        | 68000          | 6.2      |                        |             |              | 450                   |                 |                |              |                   |              |              |       |                 |                |                   |                          |      |      |  |  |
| 25   | 4.107                            |                           |                         | 7.0                     | 7.2   |     |                         |                | 9.5          |                         | 260          |     | 3                 | 196            |     | 7                | 3.655          |        | 62000          | 6.3      |                        |             |              | 400                   |                 |                |              |                   |              |              | 0.39  |                 |                |                   |                          | 13.5 |      |  |  |
| 26   | 3.769                            |                           |                         | 7.3                     | 7.4   |     |                         |                | 9.4          |                         | 236          |     | 14                | 154            |     | 7                | 3.098          | 11670  | 74000          | 6.3      | 5060                   | 4130        | 400          |                       |                 |                |              |                   |              |              | 0.26  | 136             |                |                   |                          |      |      |  |  |
| 27   | 3.655                            |                           |                         | 7.4                     | 7.4   |     |                         |                | 9.6          |                         |              |     |                   |                |     |                  | 2.106          | 10280  | 60000          | 4.3      | 5240                   | 4290        | 430          |                       |                 |                |              |                   |              |              |       | 1730            |                |                   |                          |      |      |  |  |
| 28   | 3.416                            |                           |                         |                         |       |     |                         |                |              |                         |              |     |                   |                |     |                  | 2.365          | 11020  | 64600          | 4.7      | 5170                   | 4130        | 410          |                       |                 |                |              |                   |              |              |       |                 |                |                   |                          |      |      |  |  |
| 29   | 8.198                            |                           |                         |                         |       |     |                         |                |              |                         |              |     |                   |                |     |                  | 4.548          | 10980  | 72700          | 5        | 5010                   | 4090        | 400          |                       |                 |                |              |                   |              |              |       |                 |                |                   |                          |      |      |  |  |
| 30   | 6.44                             |                           |                         |                         |       |     |                         |                |              |                         |              |     |                   |                |     |                  | 7.34           | 10210  | 109000         | 5.2      | 4910                   | 3900        | 400          |                       |                 |                |              |                   |              |              |       |                 |                |                   |                          |      |      |  |  |
| 31   |                                  |                           |                         |                         |       |     |                         |                |              |                         |              |     |                   |                |     |                  |                |        |                |          |                        |             |              |                       |                 |                |              |                   |              |              |       |                 |                |                   |                          |      |      |  |  |
| Tot. | 130                              |                           |                         |                         |       |     |                         |                |              |                         |              |     |                   |                |     |                  | 82.17          |        |                |          |                        |             |              |                       |                 |                |              |                   |              |              |       |                 |                |                   |                          |      |      |  |  |
| Avg. | 4.333                            |                           |                         | 7.2                     | 7.3   |     |                         |                | 9.4          |                         | 277          |     | 9                 | 179            |     | 6                | 2.739          | 12284  | 73816          | 5.36     | 4913                   | 4033        | 423          |                       |                 |                |              |                   |              |              |       | 0.33            | 12             | 0.33              | 13.250                   |      |      |  |  |

RESIDENTIAL \_\_\_\_\_ INDUSTRIAL WASTE POPULATION EQUIVALENT \_\_\_\_\_  
 COMMERCIAL \_\_\_\_\_ FLOW \_\_\_\_\_ CBOD \_\_\_\_\_ TSS \_\_\_\_\_  
 INDUSTRIAL \_\_\_\_\_ CURTIS E. OTTO \_\_\_\_\_ 20265 \_\_\_\_\_  
 OPERATOR \_\_\_\_\_ CERT. NO. \_\_\_\_\_

TOTAL NUMBER OF SEWER CONNECTIONS \_\_\_\_\_  
 SEWER CONNECTIONS \_\_\_\_\_ X 4 = \_\_\_\_\_ SEWERED POPULATION \_\_\_\_\_

502.540.6000  
 PLANT TELEPHONE



|       |   |                     |   |    |             |    |               |  |  |  |  |  |        |        |                 |             |
|-------|---|---------------------|---|----|-------------|----|---------------|--|--|--|--|--|--------|--------|-----------------|-------------|
| 80091 | <b>BOD, carb-5 day, 20 deg C, percent removal</b> | K - Percent Removal | 0 | -- | Sample      | =  | 97.0          |  |  |  |  |  |        | 23 - % | 01/30 - Monthly | CA - CALCTD |
|       |   |                     |   |    | Permit Req. | >= | 85.0 MO AV MN |  |  |  |  |  | 23 - % | 0      | 01/30 - Monthly | CA - CALCTD |
|       |   |                     |   |    | Value NODI  |    |               |  |  |  |  |  |        |        |                 |             |
| 81011 | <b>Solids, suspended percent removal</b>          | K - Percent Removal | 0 | -- | Sample      | =  | 97.0          |  |  |  |  |  |        | 23 - % | 01/30 - Monthly | CA - CALCTD |
|       |   |                     |   |    | Permit Req. | >= | 85.0 MO AV MN |  |  |  |  |  | 23 - % | 0      | 01/30 - Monthly | CA - CALCTD |
|       |   |                     |   |    | Value NODI  |    |               |  |  |  |  |  |        |        |                 |             |

**Submission Note**

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

**Edit Check Errors**

No errors.

**Comments**

**Attachments**

| Name              | Type | Size     |
|-------------------|------|----------|
| HCCoverletter.pdf | pdf  | 33228.0  |
| HCMOR.pdf         | pdf  | 138809.0 |

**Report Last Saved By**

**Hite Creek WQTC MSD**

User: staci.huber@louisvillemmsd.org  
 Name: Staci Huber  
 E-Mail: staci.huber@louisvillemmsd.org  
 Date/Time: 2021-05-20 14:24 (Time Zone: -04:00)

**Report Last Signed By**

User: staci.huber@louisvillemmsd.org  
 Name: Staci Huber  
 E-Mail: staci.huber@louisvillemmsd.org  
 Date/Time: 2021-05-20 14:25 (Time Zone: -04:00)