



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

March 19, 2015

Ms. Cheryl Edwards
Kentucky Division of Water
200 Fair Oaks Lane
Frankfort, Kentucky 40601

RE: Derek Guthrie WQTC, KPDES No: KY0078956
Discharge Monitoring Report, February 2015

Dear Ms. Cheryl Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Derek Guthrie WQTC, for the month of February 2015.

There were no exceedences, overflow or bypass reports during the month of February for the Derek Guthrie WQTC.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6031.

Sincerely,

A handwritten signature in black ink, appearing to read "John Kessel". The signature is fluid and cursive, with a large loop at the end.

John Kessel
Process Supervisor, West Region

JMK/West County 02/15

Enclosures

cc: C. Roth
T. Singleton
R. Shaw



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

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 |
|---------------------|------|-------|
| DRG_cover.pdf | pdf | 47288 |
| DRG_MOR_022015.xlsx | xlsx | 45027 |

Report Last Saved By

DEREK R GUTHRIE WQTC MSD

| | | | |
|---------|--------------------------|------------|--------------------------------------|
| User: | kessel@louisvillemsd.org | Date/Time: | 2015-03-24 07:03 (Time Zone: -04:00) |
| Name: | John Kessel | | |
| E-Mail: | kessel@louisvillemsd.org | | |

DMR Copy of Record

| Permit | | | | | | | | | | | | | | | | | | | |
|--|------------------------------|---------------------|----------|--------------------|--|---------|-------------|--------------------|---|--------------------------|---------|-------------|----------------|-------------|------------------|-----------------------|-------------|-----------------|-------------|
| Permit #: | KY0078956 | | | Permittee: | DEREK R GUTHRIE WQTC MSD | | | Facility: | DEREK R GUTHRIE WQTC MSD | | | | | | | | | | |
| Major: | Yes | | | Permittee Address: | 11621 LOWER RIVER RD LOUISVILLE, KY 40272 | | | Facility Location: | 11621 LOWER RIVER RD LOUISVILLE (JEFFERSON,KY), KY 40272 | | | | | | | | | | |
| Permitted Feature: | 001 External Outfall | | | Discharge: | 001-R REASONABLE POTENTIAL | | | | | | | | | | | | | | |
| Report Dates & Status | | | | | | | | | | | | | | | | | | | |
| Monitoring Period: | From 02/01/15 to 02/28/15 | | | DMR Due Date: | 03/28/15 | | | Status: | NetDMR Validated | | | | | | | | | | |
| Considerations for Form Completion | | | | | | | | | | | | | | | | | | | |
| Principal Executive Officer | | | | | | | | | | | | | | | | | | | |
| First Name: | Greg | | | Title: | Exec Director | | | Telephone: | 502-540-6000 | | | | | | | | | | |
| Last Name: | Hetizman | | | | | | | | | | | | | | | | | | |
| No Data Indicator (NODI) | | | | | | | | | | | | | | | | | | | |
| Form NODI: | -- | | | | | | | | | | | | | | | | | | |
| Code | Parameter Name | Monitoring Location | Season # | Param. NODI | Quantity or Loading | | | | | Quality or Concentration | | | | | # of Ex. | Frequency of Analysis | Sample Type | | |
| | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01032 | Chromium, hexavalent [as Cr] | 1 - Effluent Gross | 0 | -- | | | | | | | < | | 0.004 | < | 0.004 | 19 - mg/L | | 01/30 - Monthly | CP - COMPOS |
| | | | | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | CP - COMPOS |
| | | | | | Sample | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | | | | | | |
| | | | | | 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 | | | | | | | | | | | | | | | | | | | |
| No attachments. | | | | | | | | | | | | | | | | | | | |
| Report Last Saved By | | | | | | | | | | | | | | | | | | | |
| DEREK R GUTHRIE WQTC MSD | | | | | | | | | | | | | | | | | | | |
| User: | kevin.ries@louisvillemsd.org | | | Date/Time: | 2015-03-24 07:02 (Time Zone: -04:00) | | | | | | | | | | | | | | |
| Name: | Kevin Ries | | | | | | | | | | | | | | | | | | |
| E-Mail: | kevin.ries@louisvillemsd.org | | | | | | | | | | | | | | | | | | |

Name of Sewage Treatment Plant: West County WTP Jefferson County Month of: February 2015

KPDES Permit Number: KY0078956 Plant Capacity: 30 MGD Receiving Stream: Ohio River

| Date | Total Flow (MG) | Raw Sewage | | pH | | Settleable Solids (mL/L) | | | Dissolved Oxygen (mg/L) | | | Suspended Solids (mg/L) | | | Total Solids (mg/L) | | | 5-day BOD (mg/L) | | | Activated Sludge | | Aeration Basin | | | | | | Dig Sludge | Final | | | | | | |
|-------|-----------------|-----------------------|---------------------|-----|-------|--------------------------|-------------------|-------|-------------------------|-------|--------------|-------------------------|-------------------|-------|---------------------|-------------------|-------|------------------|-------------------|-------|------------------|------------------|----------------|------------------|------------------|-------------------------|--------------------------|----------------|------------|----------|-------------------|------------|--------------------------|--------------|---------------------------|--------|
| | | Grit Removed (cu. ft) | Screenings (cu. ft) | Raw | Final | Raw | Primary (or Sec.) | Final | Stream Above | Final | Stream Below | Raw | Primary (or Sec.) | Final | Raw | Primary (or Sec.) | Final | Raw | Primary (or Sec.) | Final | Million Gal/Day | MLSS mg/L X 1000 | Gal/Day X 1000 | Oxygen (mg/L) #1 | Oxygen (mg/L) #2 | MLSS (mg/L) X1000 #1 | MLVSS (mg/L) X1000 #1 | 30 min. SettS. | SVI | % Solids | Phosphorus (mg/L) | TKN (mg/L) | Chlorine Residual (mg/L) | NH3-N (mg/L) | Facal Coliform Col./100ml | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Return |
| 1 | 29.73 | | | 7.1 | 7.0 | | | | | 8.2 | | | 484 | | 17 | | | | | 395 | 51 | | | | | 2280 | 1760 | 150.0 | 0.07 | | | | | 0.02 | 6.70 | 3 |
| 2 | 36.72 | | | 7.1 | 7.0 | | | | | 8.0 | | | 320 | | 6 | | | | | 305 | 35 | | | | | 3060 | 2360 | 165.0 | 0.05 | | | 6.50 | 0.02 | 4.50 | 3 | |
| 3 | 27.05 | | | 7.1 | 7.0 | | | | | 9.0 | | | 268 | | 5 | | | | | 192 | 10 | | | | | 2500 | 1920 | 165.0 | 0.07 | 0.79 | | | 0.02 | 4.80 | 4 | |
| 4 | 23.97 | | | 6.7 | 7.1 | | | | | 9.0 | | | 328 | | 5 | | | | | 248 | 7 | | | | | 2400 | 1840 | 165.0 | 0.07 | | | | 0.02 | 5.20 | 3 | |
| 5 | 21.65 | | | 7.1 | 7.1 | | | | | 9.0 | | | 404 | | 5 | | | | | 296 | 8 | | | | | 2460 | 1920 | 150.0 | 0.06 | | | | 0.02 | 5.30 | 7 | |
| 6 | 21.29 | | | 7.2 | 7.1 | | | | | 9.0 | | | 395 | | 8 | | | | | 388 | 8 | | | | | 2200 | 1720 | 150.0 | 0.07 | | | | 0.02 | 5.60 | 5 | |
| 7 | 21.23 | | | 6.9 | 7.2 | | | | | 9.0 | | | 315 | | 9 | | | | | 256 | 12 | | | | | 2520 | 1950 | 150.0 | 0.06 | | | | 0.02 | 5.60 | 2 | |
| 8 | 22.19 | | | 6.9 | 6.6 | | | | | 8.0 | | | 384 | | 5 | | | | | 295 | 12 | | | | | 2230 | 1750 | 150.0 | 0.07 | | | | 0.02 | 6.10 | 3 | |
| 9 | 20.59 | | | 7.1 | 7.0 | | | | | 8.2 | | | 520 | | 7 | | | | | 342 | 13 | | | | | 2380 | 1860 | 145.0 | 0.06 | | | | 0.02 | 5.40 | 2 | |
| 10 | 19.49 | | | 7.1 | 7.0 | | | | | 7.0 | | | 408 | | 7 | | | | | 302 | 12 | | | | | 2200 | 1700 | 145.0 | 0.07 | 1.68 | 6.30 | 0.02 | 5.20 | 4 | | |
| 11 | 20.15 | | | 7.1 | 6.8 | | | | | 7.0 | | | 392 | | 9 | | | | | 254 | 13 | | | | | 2160 | 1700 | 140.0 | 0.06 | | | | 0.02 | 5.30 | 3 | |
| 12 | 18.43 | | | 7.0 | 6.8 | | | | | 7.1 | | | 320 | | 9 | | | | | 228 | 11 | | | | | 2200 | 1680 | 140.0 | 0.06 | | | | 0.02 | 5.00 | 2 | |
| 13 | 18.32 | | | 6.9 | 6.8 | | | | | 9.0 | | | 420 | | 9 | | | | | 293 | 11 | | | | | 2080 | 1640 | 140.0 | 0.07 | | | | 0.02 | 5.20 | 2 | |
| 14 | 19.04 | | | 7.0 | 6.9 | | | | | 9.2 | | | 455 | | 8 | | | | | 367 | 11 | | | | | 2230 | 1720 | 150.0 | 0.07 | | | | 0.02 | 6.00 | 2 | |
| 15 | 18.46 | | | 6.8 | 6.8 | | | | | 7.0 | | | 368 | | 11 | | | | | 292 | 21 | | | | | 3340 | 2670 | 170.0 | 0.05 | | | | 0.02 | 6.90 | 2 | |
| 16 | 18.18 | | | 6.9 | 6.8 | | | | | 7.3 | | | 360 | | 8 | | | | | 270 | 13 | | | | | 2340 | 1800 | 160.0 | 0.07 | | | | 0.02 | 5.80 | 3 | |
| 17 | 19.43 | | | 7.0 | 6.7 | | | | | 7.4 | | | 256 | | 10 | | | | | 210 | 13 | | | | | 2100 | 1640 | 145.0 | 0.07 | 0.85 | 6.80 | 0.02 | 5.60 | 3 | | |
| 18 | 19.10 | | | 7.0 | 6.7 | | | | | 8.0 | | | 352 | | 9 | | | | | 281 | 18 | | | | | 2260 | 1760 | 140.0 | 0.06 | | | | 0.02 | 5.50 | 3 | |
| 19 | 19.49 | | | 7.0 | 6.7 | | | | | 8.0 | | | 220 | | 8 | | | | | 196 | 17 | | | | | 2020 | 1500 | 140.0 | 0.07 | | | | 0.02 | 5.10 | 4 | |
| 20 | 21.36 | | | 6.8 | 6.7 | | | | | 8.0 | | | 595 | | 16 | | | | | 124 | 12 | | | | | 2280 | 1760 | 150.0 | 0.07 | | | | 0.02 | 4.60 | 2 | |
| 21 | 42.36 | | | 7.3 | 6.4 | | | | | 8.0 | | | 380 | | 42 | | | | | 424 | 20 | | | | | 2430 | 1890 | 170.0 | 0.07 | | | | 0.02 | 5.60 | 2 | |
| 22 | 62.92 | | | 7.0 | 6.8 | | | | | 7.6 | | | 312 | | 22 | | | | | 278 | 67 | | | | | 1800 | 1430 | 100.0 | 0.06 | | | | 0.02 | 3.60 | 16 | |
| 23 | 36.35 | | | 6.7 | 6.8 | | | | | 9.0 | | | 392 | | 14 | | | | | 308 | 18 | | | | | 2360 | 1860 | 145.0 | 0.06 | | | | 0.02 | 3.10 | 2 | |
| 24 | 32.97 | | | 6.7 | 6.9 | | | | | 9.0 | | | 180 | | 13 | | | | | 183 | 22 | | | | | 2640 | 2080 | 175.0 | 0.07 | 0.94 | 5.80 | 0.02 | 3.90 | 5 | | |
| 25 | 29.80 | | | 6.7 | 6.7 | | | | | 9.0 | | | 412 | | 10 | | | | | 335 | 19 | | | | | 2580 | 2060 | 170.0 | 0.07 | | | | 0.02 | 10.00 | 4 | |
| 26 | 26.95 | | | 6.9 | 6.7 | | | | | 9.0 | | | 212 | | 10 | | | | | 172 | 19 | | | | | 2460 | 1900 | 165.0 | 0.07 | | | | 0.02 | 11.00 | 5 | |
| 27 | 25.34 | | | 6.7 | 6.9 | | | | | 9.0 | | | 245 | | 11 | | | | | 254 | 13 | | | | | 2640 | 2040 | 170.0 | 0.06 | | | | 0.02 | 4.90 | 6 | |
| 28 | 24.86 | | | 7.0 | 7.0 | | | | | 9.0 | | | 110 | | 10 | | | | | 112 | 12 | | | | | 3640 | 2870 | 160.0 | 0.04 | | | | 0.02 | 4.50 | 6 | |
| Total | | 0 | 0 | | | | | | | | | | | | | | | | | | 0.0 | | 0.0 | | | | | | | | | | | | | |
| Avg. | 25.62 | | | 7.0 | 6.9 | | | | | 8.3 | | | 350 | | 11 | | | | | 271 | 18 | | | | | 2421.07 | 1885.00 | 152.32 | 0.06 | 1.06 | 6.35 | 0.02 | 5.57 | | 3 | |

Total Number of Sewer Connections: 0 Industrial Waste Population Equivalent _____ Operator Steve Patterson
 Residential Connections: _____
 Commercial Connections: _____ 244013 Flow 341174 BOD 356392 TSS Cert. # #26823
 Industrial Connections: _____
 Sewer Connections X 4 = 0 Phone # 502-540-6042