



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

January 7, 2015

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

**RE: Jeffersontown WQTC, KPDES No: KY0025194
Discharge Monitoring Report December 2014**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Jeffersontown WQTC KPDES No.: KY0025194 for the month of December 2014.

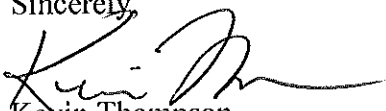
There were no exceedances to report.

Also attached is a Bypass/Blending Letter and Overflow report.

Also attached is the 4th quarter Biomonitoring report.

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

Sincerely,


Kevin Thompson
Process Supervisor Central Region

KLT/Jeffersontown 12.14doc

Enclosures

cc: R. Shaw
T. Singleton



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

DMR Copy of Record

| | | | |
|---------------------------|-------------------------|---------------------------|--|
| Permit | | | |
| Permit #: | KY0025194 | Permittee: | JEFFERSONTOWN WQTC MSD |
| Major: | Yes | Permittee Address: | 10725 OLD TAYLORSVILLE RD JEFFERSONTOWN, KY 40299 |
| Permitted Feature: | 001 External Outfall | Discharge: | 001-2 FLOW BOD TSS DO PH |
| Facility: | | Facility Location: | JEFFERSONTOWN WQTC MSD 10725 OLD TAYLORSVILLE RD JEFFERSONTOWN, KY 40299 |

| | | | |
|----------------------------------|----------------------------------|----------------------|-----------------|
| Report Dates & Status | | | |
| Monitoring Period: | From 12/01/14 to 12/31/14 | DMR Due Date: | 01/28/15 |
| Status: | NetDMR Validated | | |

Considerations for Form Completion
USE MO AVG FOR BOD/TSS REMV;REPT IN MINIMUM COLUMN.

| | | | |
|------------------------------------|----------|-------------------|--------------------|
| Principal Executive Officer | | | |
| First Name: | Greg | Title: | Executive Director |
| Last Name: | Heitzman | Telephone: | 502-540-6000 |

No Data Indicator (NODI)
Form NODI: --

| Code | Parameter Name | Monitoring Location | Season # | Param. NODI | Quantity or Loading | | | | | Quality or Concentration | | | | | # of Ex. | Frequency of Analysis | Sample Type | | |
|-------|--|-------------------------|----------|-------------|---------------------|---------|----------------|---------|------------------|--------------------------|---------|-------------|----------------|-------------|------------------|------------------------|------------------------|--------------------|-------------|
| | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | | | | Value 3 | Units |
| 00300 | Oxygen, dissolved [DO] | 1 - Effluent Gross | 0 | -- | Sample | = | 9 | | | | | | | | | 19 - mg/L | 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 | = | 6 | | | | | = | 8 | | 12 - SU | 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 | = | 283 | = | 525 | 26 - lb/d | | = | 9 | = | 10 | 19 - mg/L | 01/01 - Daily | CP - COMPOS | |
| | | | | | Permit Req. | <= | 1000 MO AVG | <= | 1501 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 | = | 6316 | = | 7236 | 26 - lb/d | | = | 237 | = | 337 | 19 - mg/L | 01/01 - Daily | 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 | = | 18 | = | 34 | 26 - lb/d | | = | 0.6 | = | 0.7 | 19 - mg/L | 01/01 - Daily | CP - COMPOS | |
| | | | | | Permit Req. | <= | 334 MO AVG | <= | 500 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 | | | | | | | | | | | | | | |
| 00610 | Nitrogen, ammonia total [as N] | G - Raw Sewage Influent | 0 | -- | Sample | = | 349 | = | 396 | 26 - lb/d | | = | 13 | = | 19 | 19 - mg/L | 01/01 - Daily | 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 | = | 11 | = | 17 | 26 - lb/d | | = | 0.4 | = | 0.4 | 19 - mg/L | 01/01 - Daily | CP - COMPOS | |
| | | | | | Permit Req. | <= | 67 MO AVG | <= | 100 MX WK AV | 26 - lb/d | | <= | 2 MO AVG | <= | 3 MX WK AV | 19 - mg/L | 03/07 - Three Per Week | CP - COMPOS | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 50050 | Flow, in conduit or thru treatment plant | 1 - Effluent Gross | 0 | -- | Sample | = | 3.479 | = | 5.105 | 03 - MGD | | | | | | | 99/99 - Continuous | CN - CONTIN | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon MX WK AV | 03 - MGD | | | | | | | 0 | 99/99 - Continuous | CN - CONTIN |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 74055 | Coliform, fecal general | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | = | 5 | = | 9 | 13 - #/100mL | 01/01 - Daily | 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, 05 day, 20 C | 1 - Effluent Gross | 0 | -- | Sample | = | 120 | = | 253 | 26 - lb/d | | = | 4 | = | 5 | 19 - mg/L | 01/01 - Daily | CP - COMPOS | |
| | | | | | Permit Req. | <= | 667 MO AVG | <= | 1001 MX WK AV | 26 - lb/d | | <= | 20 MO AVG | <= | 30 MX WK AV | 19 - mg/L | 03/07 - Three Per Week | CP - COMPOS | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 80082 | BOD, carbonaceous, 05 day, 20 C | G - Raw Sewage Influent | 0 | -- | Sample | = | 3986 | = | 4934 | 26 - lb/d | | = | 149 | = | 188 | 19 - mg/L | 01/01 - Daily | 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 - % | 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 | | | | | | | = | 96 | | | 23 - % | 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 |
|------------------------------|------|-------|
| 201412_JTown_MOR_1.pdf | pdf | 43983 |
| 201412_JTown_coverletter.pdf | pdf | 17530 |
| 201412_JTown_MOR.pdf | pdf | 78153 |
| 201412_JTown_BlendLetter.pdf | pdf | 24105 |

Report Last Saved By**JEFFERSONTOWN WQTC MSD**

User: kevin.thompson@louisvillemsd.org

Date/Time: 2015-01-26 12:23 (Time Zone: -05:00)

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemsd.org

DMR Copy of Record

| | | | | | |
|--------------------|-------------------------|--------------------|--|--------------------|--|
| Permit | | | | | |
| Permit #: | KY0025194 | Permittee: | JEFFERSONTOWN WQTC MSD | Facility: | JEFFERSONTOWN WQTC MSD |
| Major: | Yes | Permittee Address: | 10725 OLD TAYLORSVILLE RD JEFFERSONTOWN, KY 40299 | Facility Location: | 10725 OLD TAYLORSVILLE RD JEFFERSONTOWN, KY 40299 |
| Permitted Feature: | 001 External Outfall | Discharge: | 001-Y BIOMONITORING/ONCE PER QUARTER | | |

| | | | | | |
|----------------------------------|---------------------------|---------------|----------|---------|------------------|
| Report Dates & Status | | | | | |
| Monitoring Period: | From 10/01/14 to 12/31/14 | DMR Due Date: | 01/28/15 | Status: | NetDMR Validated |

Considerations for Form Completion

| | | | | | |
|------------------------------------|----------|--------|--------------------|------------|--------------|
| Principal Executive Officer | | | | | |
| First Name: | Greg | Title: | Executive Director | Telephone: | 502-540-6000 |
| Last Name: | Heitzman | | | | |

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 | |
| 00900 | Hardness, total [as CaCO3] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 215 | | = | 215 | 19 - mg/L | 0 | 01/90 - Quarterly | CP - COMPOS | |
| | | | | | Permit Req. | | | | | | | | | | | | | 01/90 - Quarterly | CP - COMPOS | |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01025 | Cadmium, dissolved [as Cd] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | < | 0.001 | | < | 0.001 | 19 - mg/L | 0 | 01/90 - Quarterly | CP - COMPOS | |
| | | | | | Permit Req. | | | | | | | | | | | | | 01/90 - Quarterly | CP - COMPOS | |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01040 | Copper, dissolved [as Cu] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | < | 0.003 | | < | 0.003 | 19 - mg/L | 0 | 01/90 - Quarterly | CP - COMPOS | |
| | | | | | Permit Req. | | | | | | | | | | | | | 01/90 - Quarterly | CP - COMPOS | |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01049 | Lead, dissolved [as Pb] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | < | 0.05 | | < | 0.05 | 19 - mg/L | 0 | 01/90 - Quarterly | CP - COMPOS | |
| | | | | | Permit Req. | | | | | | | | | | | | | 01/90 - Quarterly | CP - COMPOS | |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01090 | Zinc, dissolved [as Zn] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 0.014 | | = | 0.014 | 19 - mg/L | 0 | 01/90 - Quarterly | CP - COMPOS | |
| | | | | | Permit Req. | | | | | | | | | | | | | 01/90 - Quarterly | CP - COMPOS | |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01094 | Zinc, total recoverable | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 0.019 | | = | 0.019 | 19 - mg/L | 0 | 01/90 - Quarterly | CP - COMPOS | |
| | | | | | Permit Req. | | | | | | | | | | | | | 01/90 - Quarterly | CP - COMPOS | |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01113 | Cadmium, total recoverable | 1 - Effluent Gross | 0 | -- | Sample | | | | | | < | 0.001 | | < | 0.001 | 19 - mg/L | 0 | 01/90 - Quarterly | CP - COMPOS | |
| | | | | | Permit Req. | | | | | | | | | | | | | 01/90 - Quarterly | CP - COMPOS | |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01114 | Lead, total recoverable | 1 - Effluent Gross | 0 | -- | Sample | | | | | | < | 0.05 | | < | 0.05 | 19 - mg/L | 0 | 01/90 - Quarterly | CP - COMPOS | |
| | | | | | Permit Req. | | | | | | | | | | | | | 01/90 - Quarterly | CP - COMPOS | |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01119 | Copper, total recoverable | 1 - Effluent Gross | 0 | -- | Sample | | | | | | < | 0.005 | | < | 0.005 | 19 - mg/L | 0 | 01/90 - Quarterly | CP - COMPOS | |
| | | | | | Permit Req. | | | | | | | | | | | | | 01/90 - Quarterly | CP - COMPOS | |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 61406 | Toxicity, final conc toxicity units | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | < | 1 | 2G - tox chronic | 0 | 01/90 - Quarterly | CP - COMPOS | |
| | | | | | Permit Req. | | | | | | | | | | <= | 1 DAILY MX | | 2G - tox chronic | 01/90 - Quarterly | CP - COMPOS |
| | | | | | 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
JEFFERSONTOWN WQTC MSD

| | | | |
|---------|----------------------------------|------------|--------------------------------------|
| User: | kevin.thompson@louisvillemsd.org | Date/Time: | 2015-01-26 12:25 (Time Zone: -05:00) |
| Name: | Kevin Thompson | | |
| E-Mail: | kevin.thompson@louisvillemsd.org | | |

NAME OF TREATMENT PLANT JEFFERSONTOWN WTP

COUNTY JEFFERSON

MONTH OF: December 2014

KPDES PERMIT NUMBER KY0025194

PLANT CAPACITY 4.0 MGD

RECEIVING STREAM CHENOWETH RUN

| DATE | TOTAL FLOW (MILLION GALLONS) | RAW SEWAGE | | pH | | SETTLEABLE 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 | RETURN | | WASTED | DISSOLVED OXYGEN (mg/L) | MLSS (mg/L) x 1000 | MLVSS (mg/L) x 1000 | 30 MIN. | 60 MIN. | RAW | | HAULED | | TOTAL PHOS. (mg/L) | NH3-N (mg/L) | FECAL COLIFORM (COLONIES/100ML) |
| | | | | | | | | | | | | | | | | | | GAL/DAY X 1000 | MLSS X 1000 | | | | | | | GALLONS X 1000 | GALLONS X 1000 | % DRY SOLIDS | % VOLATILE SOLIDS | | | |
| 1 | 4.00 | | | 6.6 | 7.0 | 30.0 | | | 9.3 | | 240 | 15 | 153 | 5 | 1.29 | 4960 | 32 | 7.9 | 2710 | 2190 | 190 | 180 | | | | | | 50 | 0.58 | 0.73 | 2 | |
| 2 | 4.23 | | | 6.8 | 6.8 | 20.0 | | | 9.1 | | 250 | 8 | 151 | 3 | 1.28 | 6480 | 42.5 | 7.5 | 2350 | 1830 | 190 | 180 | | | | | | 0 | 0.32 | 0.39 | 8 | |
| 3 | 3.16 | | | 6.6 | 6.7 | 20.0 | | | 9.7 | | 222 | 4 | 203 | 3 | 1.29 | 5020 | 42 | 7.3 | 2570 | 2170 | 190 | 180 | | | | | | 6 | 0.31 | 0.73 | 6 | |
| 4 | 3.39 | | | 6.8 | 6.7 | 25.0 | | | 9.6 | | 240 | 7 | 186 | 3 | 1.3 | 6165 | 32 | 7.6 | 2590 | 1980 | 200 | 200 | | | | | | 0 | 0.35 | 0.50 | 10 | |
| 5 | 4.68 | | | 6.9 | 6.9 | 20.0 | | | 9.1 | | 112 | 5 | 88 | 3 | 1.24 | 6015 | 32 | 6.3 | 2730 | 2300 | 200 | 200 | | | | | | 30 | 0.27 | 0.45 | 2 | |
| 6 | 10.79 | 3 | 3 | 6.8 | 7.8 | 18.0 | | | 9.4 | | 112 | 21 | 58 | 12 | 1.29 | 7285 | 32 | 6.2 | 1680 | 1340 | 100 | 100 | | 0.9 | | | | 19 | 0.55 | 1.40 | 344 | |
| 7 | 5.49 | | | 6.8 | 7.7 | 12.0 | | | 10.0 | | 112 | 11 | 56 | 3 | 1.3 | 10030 | 34 | 9.2 | 2260 | 1860 | 200 | 180 | | | | | | 0 | 0.27 | 0.50 | 6 | |
| 8 | 4.31 | | | 7.7 | 7.9 | 13.0 | | | 9.7 | | 140 | 9 | 121 | 3 | 1.31 | 6365 | 40 | 8.9 | 2980 | 2320 | 210 | 200 | | | | | | 13 | 0.22 | 0.45 | 6 | |
| 9 | 3.75 | | | 7.4 | 7.9 | 20.0 | | | 10.0 | | 275 | 8 | 188 | 3 | 1.32 | 7395 | 40 | 9.1 | 2960 | 2370 | 230 | 220 | | | | | | 0 | 0.26 | 0.50 | 4 | |
| 10 | 3.32 | | | 7.5 | 7.8 | 30.0 | | | 10.0 | | 316 | 7 | 210 | 3 | 1.34 | 6665 | 39 | 8.1 | 2710 | 2170 | 230 | 210 | | | | | | 32 | 0.29 | 0.56 | 4 | |
| 11 | 3.04 | | | 7.0 | 6.6 | 30.0 | | | 9.7 | | 290 | 8 | 238 | 3 | 1.31 | 7155 | 44 | 7.1 | 2830 | 2320 | 240 | 210 | | | | | | 19 | 0.38 | 0.50 | 2 | |
| 12 | 2.83 | | | 6.9 | 7.3 | 20.0 | | | 9.6 | | 352 | 9 | 204 | 3 | 1.28 | 5310 | 0 | 6.7 | 2870 | 2190 | 150 | 140 | | | | | | 0 | 0.34 | 0.45 | 2 | |
| 13 | 2.71 | 3 | 3 | 6.6 | 6.6 | 25.0 | | | 9.4 | | 292 | 6 | 177 | 3 | 1.27 | 5410 | 43 | 6.9 | 2620 | 2080 | 180 | 160 | | 0.7 | | | | 18 | 0.39 | 0.62 | 2 | |
| 14 | 2.67 | | | 6.8 | 6.7 | 20.0 | | | 9.6 | | 270 | 8 | 164 | 3 | 1.27 | 5160 | 43 | 6.3 | 2650 | 2170 | 190 | 160 | | | | | | 0 | 0.34 | 0.56 | 20 | |
| 15 | 2.62 | | | 7.6 | 8.0 | 25.0 | | | 10.0 | | 476 | 9 | 194 | 3 | 1.26 | 4335 | 38 | 8.9 | 2750 | 2150 | 200 | 200 | | | | | | 57 | 0.44 | 0.45 | 4 | |
| 16 | 2.81 | | | 7.1 | 6.9 | 40.0 | | | 10.0 | | 304 | 6 | 167 | 7 | 1.25 | 6025 | 34 | 8.7 | 2760 | 2140 | 200 | 190 | | | | | | 6 | 0.45 | 0.90 | 2 | |
| 17 | 2.63 | | | 7.6 | 7.5 | 25.0 | | | 10.0 | | 470 | 8 | 218 | 3 | 1.24 | 5285 | 31 | 8.5 | 2690 | 2060 | 200 | 190 | | | | | | 44 | 0.45 | 1.10 | 2 | |
| 18 | 2.56 | | | 6.9 | 6.9 | 30.0 | | | 10.0 | | 188 | 10 | 125 | 3 | 1.26 | 5905 | 36 | 8.6 | 2540 | 2110 | 190 | 190 | | | | | | 0 | 0.38 | 0.56 | 2 | |
| 19 | 2.45 | | | 6.8 | 7.0 | 30.0 | | | 10.0 | | 332 | 11 | 201 | 3 | 1.29 | 6625 | 28 | 7.9 | 2860 | 2200 | 200 | 180 | | | | | | 6 | 0.35 | 0.73 | 2 | |
| 20 | 2.36 | | | 7.4 | 7.9 | 32.0 | | | 10.0 | | 300 | 11 | 181 | 5 | 1.33 | 4455 | 44 | 8.6 | 2880 | 2240 | 200 | 190 | | | | | | 38 | 0.52 | 0.22 | 6 | |
| 21 | 2.28 | 3 | 3 | 6.9 | 6.8 | 22.0 | | | 10.0 | | 292 | 11 | 231 | 3 | 1.4 | 7730 | 40 | 8.4 | 2620 | 2060 | 210 | 190 | | 1.2 | | | | 12 | 0.50 | 0.50 | 2 | |
| 22 | 2.39 | | | 6.7 | 7.0 | 20.0 | | | 10.0 | | 220 | 7 | 128 | 3 | 1.4 | 4455 | 24 | 7.3 | 2720 | 2260 | 180 | 170 | | | | | | 6 | 0.36 | 0.50 | 4 | |
| 23 | 3.45 | | | 7.4 | 7.4 | 12.0 | | | 10.0 | | 280 | 14 | 151 | 3 | 1.41 | 6420 | 40 | 7.9 | 2660 | 2130 | 170 | 160 | | | | | | 32 | 0.49 | 0.45 | 28 | |
| 24 | 3.44 | | | 7.4 | 7.9 | 24.0 | | | 10.0 | | 31 | 12 | 26 | 3 | 1.39 | 4345 | 40 | 8.4 | 2810 | 2240 | 180 | 160 | | | | | | 44 | 0.35 | 0.50 | 4 | |
| 25 | 3.18 | | | 7.5 | 8.0 | 10.0 | | | 10.0 | | 58 | 5 | 53 | 4 | 1.28 | 5370 | 40 | 7.9 | 2560 | 2060 | 170 | 160 | | 0.9 | | | | 0 | 0.39 | 0.50 | 20 | |
| 26 | 2.92 | | | 7.0 | 6.9 | 30.0 | | | 11.0 | | 292 | 9 | 114 | 3 | 1.38 | 5055 | 32 | 7.7 | 2510 | 2020 | 160 | 130 | | | | | | 19 | 0.33 | 0.67 | 2 | |
| 27 | 2.90 | 3 | 3 | 7.3 | 7.7 | 20.0 | | | 9.9 | | 132 | 6 | 82 | 3 | 1.4 | 3596 | 35 | 6.8 | 2540 | 2000 | 160 | 130 | | | | | | 38 | 0.32 | 0.62 | 2 | |
| 28 | 4.07 | | | 7.0 | 6.9 | 10.0 | | | 10.0 | | 180 | 6 | 137 | 3 | 1.39 | 6370 | 44 | 7.3 | 2330 | 1890 | 180 | 150 | | | | | | 32 | 0.31 | 0.56 | 14 | |
| 29 | 3.41 | | | 6.5 | 6.3 | 20.0 | | | 9.7 | | 164 | 7 | 109 | 3 | 1.39 | 4365 | 43 | 6.6 | 2440 | 1850 | 170 | 150 | | | | | | 6 | 0.43 | 0.56 | 6 | |
| 30 | 3.04 | | | 6.6 | 6.9 | 33.0 | | | 10.0 | | 236 | 9 | 184 | 3 | 1.4 | 6595 | 43 | 8.4 | 2820 | 2180 | 160 | 150 | | | | | | 6 | 0.38 | 0.39 | 7 | |
| 31 | 2.95 | | | 6.8 | 6.8 | 20.0 | | | 10.0 | | 164 | 8 | 116 | 3 | 1.38 | 6800 | 0 | 7.9 | 2190 | 1770 | 180 | 160 | | | | | | 19 | 0.32 | 0.34 | 2 | |
| Tot. | 107.83 | 12 | 12 | | | | | | | | | | | | 40.94 | | | | | | | | | | | | | | 552 | | | |
| Avg. | 3.48 | 3 | 3 | 7.0 | 7.2 | 22.8 | | | 9.8 | | 237 | 9 | 149 | 4 | 1.321 | 5907.94 | 35.08 | 7.771 | 2619 | 2085 | 187.4 | 173.2 | | 0.925 | | | | 17.81 | 0.38 | 0.58 | 5 | |

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

33128

25399

32718

Mike Stephenson

9616

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS

0

X

4

=

0

SEWERED POPULATION

FLOW

CBOD

TSS

OPERATOR

CERT. NO.

(502)267-9257

PLANT TELEPHONE



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

December 07, 2014

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

Re: Bypass (Blending) Report for the Jeffersontown WQTC – KPDES Permit KY0025194

Dear Mr. Roth:

In accordance with 401 KAR 5:065, MSD is providing this letter as a written report of the bypass (blending) event that occurred at the Jeffersontown Water Quality Treatment Center (WQTC). The bypass started at 12:20 AM on December 06, 2014 and stopped at 07:09 PM on December 06, 2014.

Mitigation activities to minimize the extent and impact of the discharge included maximization of plant peak flow through secondary treatment to minimize the total amount of wastewater that did not receive full secondary treatment prior to blending with secondary effluent before receiving UV disinfection, and then being discharged through the permitted outfall. The cause of the bypass (blending) event was due to significant precipitation in the service area. The bypassed (blended) effluent entered Chenoweth Run at mile point 5.3.

In the table listed below is the total number of gallons of wastewater by calendar day that was bypassed (blended) around the secondary treatment of the Jeffersontown WQTC.

| <u>Date</u> | <u>Start Time</u> | <u>Stop Time</u> | <u>Total Plant Flow (Vol)</u> | <u>Peak Plant Rate</u> | <u>Total Blended Flow (Vol)</u> |
|---------------------|-------------------|------------------|-------------------------------|------------------------|---------------------------------|
| December 06 2014 | 12:20 AM | 07:09 PM | 10.786 MG | 14.694 MGD | 2,110,538.000 MG |
| | | | | | |
| | | | | | |



Mr. Charlie Roth, District Supervisor
KY Division of Water
Page 2

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-239-7574, my cell phone at (502)-475-2224 or via email at kevin.thompson@louisvillemsd.org.

Sincerely,



Kevin Thompson

Process Supervisor-Operations

cc: Courtney Seitz, KDEP
Paula Purifoy, Wes Sydnor, Kevin Ries, Robert Bates - MSD

eB File



Report Selections: Period: 12/01/2014 00:00 thru 12/31/2014 23:59, treatment Plant: MSD0255 JEFFERSONTOWN, 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 |
|-----------|-------------|--------------------------------|--------------------------------------|--------|
| KY0025194 | MSD0255 | JEFFERSONTOWN | CHENOWETH RUN | CENT |

| Facility Type | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|---------------------|--|------------------|--------------|
| SMH Sewer Manhole | 28173 | 3258 RUCKRIEGEL PKY | | CHENOWETH RUN | GROUND |

| Activity Code / Description | WO # | Ref No | Initiated | Initiated By | Assigned To | Disch Status | Event Date | Problem | Result | Completed | Condition |
|-----------------------------|---------|--------|-----------------|--------------|-------------|--------------|------------|-------------------------|--------------------------------|-------------------|-----------|
| DISREV:RAIN EVENT DISCHARGE | 2273401 | | 12/6/14 5:41 am | FISHER | GRIFFITH | DOCUMENTED | 03/04/2008 | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHAGE - WATERS | 12/06/14 09:07 AM | |

Discharge Reporting:

| | |
|----------------------|--|
| Discharge Amount: | 25 GAL |
| Cause: | LACK OF SYSTEM CAPACITY-HEAVY RAIN. |
| Clean Up: | WO# 2273573 |
| Control Zone: | CAUTION TAPE AND TEMPORARY SIGNS PLACED. |
| Impact: | LIGHT DEBRIS OBSERVED. |
| Repair: | LOCATION INCLUDED IN IOAP. |
| Public Notification: | PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE. |

Notifications:

| | | |
|-----------------|--------|---|
| 12/6/14 1:00 pm | DISNOT | Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemad.org, Sayre.Dennis@epamail.epa.gov' |
| 12/6/14 1:00 am | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemad.org, Sayre.Dennis@epamail.epa.gov' |

Report Selections: Period: 12/01/2014 00:00 thru 12/31/2014 23:59, treatment Plant: MSD0255 JEFFERSONTOWN, 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 |
|-----------|-------------|--------------------------------|--------------------------------------|--------|
| KY0025194 | MSD0255 | JEFFERSONTOWN | CHENOWETH RUN | CENT |

| Facility Type | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|------------------|--|------------------|--------------|
| SMH Sewer Manhole | 28551 | 11401 GRAND AVE | | CHENOWETH RUN | STREAM |

| Activity Code / Description | WO # | Ref No | Initiated | Initiated By | Assigned To | Disch Status | Event Date | Problem | Result | Completed | Condition |
|-----------------------------|---------|--------|------------------|--------------|-------------|--------------|------------|-------------------------|--------------------------------|-------------------|-----------|
| DISREV:RAIN EVENT DISCHARGE | 2273400 | | 12/6/14 12:33 am | FISHER | GRIFFITH | DOCUMENTED | 11/22/2011 | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHAGE - WATERS | 12/06/14 09:07 AM | |

Discharge Reporting:

| | |
|----------------------|--|
| Discharge Amount: | 100 GAL |
| Cause: | LACK OF SYSTEM CAPACITY-HEAVY RAIN. |
| Clean Up: | WO# 2273593 |
| Control Zone: | CAUTION TAPE AND TEMPORARY SIGNS PLACED. |
| Impact: | LIGHT DEBRIS OBSERVED. |
| Repair: | LOCATION INCLUDED IN IOAP. |
| Public Notification: | PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE. |

Notifications:

| | | |
|-----------------|--------|---|
| 12/6/14 1:00 pm | DISNOT | Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemSD.org, Sayre.Dennis@epamail.epa.gov' |
| 12/6/14 1:00 am | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemSD.org, Sayre.Dennis@epamail.epa.gov' |



Report Selections: Period: 12/01/2014 00:00 thru 12/31/2014 23:59, treatment Plant: MSD0255 JEFFERSONTOWN, 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 |
|-----------|-------------|--------------------------------|--------------------------------------|--------|
| KY0025194 | MSD0255 | JEFFERSONTOWN | CHENOWETH RUN | CENT |

| Facility Type | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|---------------------------|-------------|---------------------------|--|------------------|--------------|
| SPL Sewer Treatment Plant | MSD0255 | 10725 OLD TAYLORSVILLE RD | | CHENOWETH RUN | STREAM |

| Activity Code / Description | WO # | Ref No | Initiated | Initiated By | Assigned To | Disch Status | Event Date | Problem | Result | Completed | Condition |
|--------------------------------|---------|--------|---------------------|--------------|-------------|--------------|------------|---------------------------|-----------------------------------|----------------------|-----------|
| DISREV:RAIN EVENT DISCHARGE | 2273389 | | 12/6/14 12:20 am | GREEN | OPS ASHIFT | DOCUMENTED | 01/14/2007 | BLENDING AT JTOWN WQTC | UNAUTHORIZED DISCHAGE - WATERS | 12/06/14 07:09 PM | |

Discharge Reporting:

| | |
|----------------------|--|
| Discharge Amount: | 2,110,538 GAL |
| Cause: | LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT |
| Clean Up: | PIPE DISCHARGE SUBMERGED- NO CLEAN UP |
| Control Zone: | PERMANENT SIGNS POSTED |
| Impact: | NO IMPACT OBSERVED |
| Repair: | TEMPORARY BLENDING HAS BEEN NEGOTIATED AT THIS LOCATION. |
| Public Notification: | PERMANENT SIGNS POSTED AROUND THE AFFECTED AREA |

Plant Details:

| | |
|-------------------------------|----------------|
| PEAK PLANT FLOW WHEN BLENDING | 14,694,000 GPD |
| DAILY TOTAL PLANT FLOW | 10,786,000 GAL |

Notifications:

| | | |
|-----------------|--------|---|
| 12/6/14 1:00 am | DISNOT | Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov' |
| 12/3/14 1:00 pm | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov' |

Total Facilities Printed: 3

Total Work Orders Printed: 3