



*Louisville and Jefferson County Metropolitan Sewer District*  
700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
[www.msdlouky.org](http://www.msdlouky.org)

December 17, 2012

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

**RE: Cedar Creek WQTC, KPDES No: KY0098540**  
**Discharge Monitoring Report-November 2012**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Cedar Creek WQTC, KPDES No.: KY0098540 for the month of November 2012.

There were no exceedences, bypasses or overflows to report.

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

Sincerely,

Duane V. Wright  
Process Supervisor Central Region

DVW/Cedar Creek 11.12.doc

Enclosures

cc: T. Singleton  
R. Shaw



*Beneficial Use of Louisville's Biosolids*  
[www.louisvillegreen.com](http://www.louisvillegreen.com)

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME CEDAR CREEK WQTC MSD  
 ADDRESS C/O CEDAR CREEK WQTC  
 8405 CEDAR CREEK RD  
 LOUISVILLE KY 40211  
 FACILITY CEDAR CREEK WQTC MSD

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDES)  
 DISCHARGE MONITORING REPORT (DMR)

KY0098540  
 PERMIT NUMBER

0012  
 DISCHARGE NUMBER

MAJOR  
 (SUBR LV)  
 F - FINAL JEFFE  
 NEW EXPANSION  
 EFFLUENT  
 [ ] No Discharge

LOCATION LOUISVILLE KY 40291  
 ATTN: DENNIS THOMMASSON SR. METRO OPS

| MONITORING PERIOD |    |     |      |    |     |
|-------------------|----|-----|------|----|-----|
| YEAR              | MO | DAY | YEAR | MO | DAY |
| 12                | 11 | 01  | 12   | 11 | 30  |

NOTE: Read instructions before completing this form

| PARAMETER                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | QUANTITY OR LOADING |                                                                 |                | QUALITY OR CONCENTRATION |                  |                         |              | NO<br>EX | FREQUENCY<br>OF<br>ANALYSIS | SAMPLE<br>TYPE |
|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------|----------------|--------------------------|------------------|-------------------------|--------------|----------|-----------------------------|----------------|
|                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | AVERAGE             | MAXIMUM                                                         | UNITS          | MINIMUM                  | AVERAGE          | MAXIMUM                 | UNITS        |          |                             |                |
| OXYGEN, DISSOLVED<br>(DO)<br>00300 1 0 0<br>EFFLUENT GROSS VALUE           | SAMPLE<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | *****               | *****                                                           | ***            | 7.9                      | *****            | *****                   | (19)<br>MG/L | 0        | 1/1                         | GR             |
| PH                                                                         | PERMIT<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | *****               | *****                                                           | ***            | 7.0<br>INST MIN          | *****            | *****                   | (19)<br>MG/L |          | THREE/<br>WEEK              | GRAB           |
| 00400 1 0 0<br>EFFLUENT GROSS VALUE                                        | SAMPLE<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | *****               | *****                                                           | ***            | 6.6                      | *****            | 7.1                     | (12)<br>SU   | 0        | 1/1                         | GR             |
|                                                                            | PERMIT<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | *****               | *****                                                           | ***            | 6.0<br>MINIMUM           | *****            | 9.0<br>MAXIMUM          | (12)<br>SU   |          | THREE/<br>WEEK              | GRAB           |
| SOLIDS, TOTAL<br>SUSPENDED<br>00530 G 0 0<br>RAW SEW/INFLUENT              | SAMPLE<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 7842                | 20241                                                           | (26)<br>LBS/DY | *****                    | 423              | 1093                    | (19)<br>MG/L | 0        | 3/7                         | CP             |
|                                                                            | PERMIT<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | REPORT<br>MO AVG    | REPORT<br>MX WK AV                                              | (26)<br>LBS/DY | *****                    | REPORT<br>MO AVG | REPORT<br>MX WK AV      | (19)<br>MG/L |          | THREE/<br>WEEK              | COMPOS         |
| SOLIDS, TOTAL<br>SUSPENDED<br>00530 1 0 0<br>EFFLUENT GROSS VALUE          | SAMPLE<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 37                  | 41                                                              | (26)<br>LBS/DY | *****                    | 2                | 2                       | (19)<br>MG/L | 0        | 3/7                         | CP             |
|                                                                            | PERMIT<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1876<br>MO AVG      | 2815<br>MX WK AV                                                | (26)<br>LBS/DY | *****                    | 30<br>MO AVG     | 45<br>MX WK AV          | (19)<br>MG/L |          | THREE/<br>WEEK              | COMPOS         |
| NITROGEN, AMMONIA<br>TOTAL (AS N)<br>00610 G 0 0<br>RAW SEW/INFLUENT       | SAMPLE<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 351                 | 391                                                             | (26)<br>LBS/DY | *****                    | 20               | 24                      | (19)<br>MG/L | 0        | 3/7                         | CP             |
|                                                                            | PERMIT<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | REPORT<br>MO AVG    | REPORT<br>MX WK AV                                              | (26)<br>LBS/DY | *****                    | REPORT<br>MO AVG | REPORT<br>MX WK AV      | (19)<br>MG/L |          | THREE/<br>WEEK              | COMPOS         |
| NITROGEN, AMMONIA<br>TOTAL (AS N)<br>00610 1 2 0<br>EFFLUENT GROSS VALUE   | SAMPLE<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 11                  | 18                                                              | (26)<br>LBS/DY | *****                    | 0.6              | 1                       | (19)<br>MG/L | 0        | 3/7                         | CP             |
|                                                                            | PERMIT<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 625<br>MO AVG       | 938<br>MX WK AV                                                 | (26)<br>LBS/DY | *****                    | 10<br>MO AVG     | 15<br>MX WK AV          | (19)<br>MG/L |          | THREE/<br>WEEK              | COMPOS         |
| PHOSPHORUS, TOTAL<br>(AS P)<br>00665 1 0 0<br>EFFLUENT GROSS VALUE         | SAMPLE<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2                   | 2                                                               | (26)<br>LBS/DY | *****                    | 0.1              | 0.1                     | (19)<br>MG/L | 0        | 3/7                         | CP             |
|                                                                            | PERMIT<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 125<br>MO AVG       | 156<br>MX WK AV                                                 | (26)<br>LBS/DY | *****                    | 2.0<br>MO AVG    | 2.5<br>MX WK AV         | (19)<br>MG/L |          | THREE/<br>WEEK              | COMPOS         |
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                                     | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. 1001 AND 33 U.S.C. 1316. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years. |                     |                                                                 |                |                          | TELEPHONE        |                         | DATE         |          |                             |                |
| GREG HEITZMAN<br>EXECUTIVE DIRECTOR                                        | 502 540-6000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT |                |                          |                  |                         |              |          |                             |                |
| TYPED OR PRINTED                                                           | NUMBER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                     |                                                                 |                |                          |                  |                         |              |          |                             |                |
| COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                                                                 |                |                          | AREA<br>CODE     | 12 12 18<br>YEAR MO DAY |              |          |                             |                |

PERMITTEE NAME/ADDRESS (include

Facility Name/Location if different)

NAME CEDAR CREEK WQTC MSD

ADDRESS C/O CEDAR CREEK WQTC

8405 CEDAR CREEK RD

LOUISVILLE KY 40211

FACILITY CEDAR CREEK WQTC MSD

LOCATION LOUISVILLE KY 40291

ATTN: DENNIS THOMMASSON SR. METRO OPS

## KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDES)

## DISCHARGE MONITORING REPORT (DMR)

KY0098540

PERMIT NUMBER

001 2

DISCHARGE NUMBER

MAJOR  
(SUBR LV)

F - FINAL

NEW EXPANSION

EFFLUENT

[ ] No Discharge

JEFFE

## MONITORING PERIOD

| YEAR | MO | DAY | FROM | TO | YEAR | MO | DAY |
|------|----|-----|------|----|------|----|-----|
| 12   | 11 | 01  |      |    | 12   | 11 | 30  |

NOTE: Read instructions before completing this form

| PARAMETER                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | QUANTITY OR LOADING |                    |                | QUALITY OR CONCENTRATION |                  |                    |               | NO<br>EX | FREQUENCY<br>OF<br>ANALYSIS | SAMPLE<br>TYPE |
|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|----------------|--------------------------|------------------|--------------------|---------------|----------|-----------------------------|----------------|
|                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | AVERAGE             | MAXIMUM            | UNITS          | MINIMUM                  | AVERAGE          | MAXIMUM            | UNITS         |          |                             |                |
| FLOW, IN CONDUIT OR<br>THRU TREATMENT PLANT<br>50050 1 0 0                 | SAMPLE<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2.20                | 3.31               | (03)<br>MGD    | *****                    | *****            | *****              | ***           | 0        | CN                          | CN             |
| EFFLUENT GROSS VALUE                                                       | PERMIT<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | REPORT<br>MO AVG    | REPORT<br>DAILY MX | (03)<br>MGD    | *****                    | *****            | *****              | ***           |          | CONTIN<br>UOUS              | CONTIN         |
| COLIFORM, FECAL<br>GENERAL<br>74055 1 0 0                                  | SAMPLE<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | *****               | *****              | ***            | *****                    | 2                | 3                  | (13)<br>100ML | 0        | 3/7                         | GR             |
| EFFLUENT GROSS VALUE                                                       | PERMIT<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | *****               | *****              | ***            | *****                    | 200<br>30DA GEO  | 400<br>7 DA GEO    | (13)<br>100ML |          | THREE/<br>WEEK              | GRAB           |
| BOD, CARBONACEOUS<br>05 DAY, 20C<br>80082 G 0 0                            | SAMPLE<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2918                | 4118               | (26)<br>LBS/DY | *****                    | 160              | 226                | (19)<br>MG/L  | 0        | 3/7                         | CP             |
| RAW SEW/INFLUENT                                                           | PERMIT<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | REPORT<br>MO AVG    | REPORT<br>MX WK AV | (26)<br>LBS/DY | *****                    | REPORT<br>MO AVG | REPORT<br>MX WK AV | (19)<br>MG/L  |          | THREE/<br>WEEK              | COMPOS         |
| BOD, CARBONACEOUS<br>05 DAY, 20C<br>80082 1 0 0                            | SAMPLE<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 37                  | 41                 | (26)<br>LBS/DY | *****                    | 2                | 2                  | (19)<br>MG/L  | 0        | 3/7                         | CP             |
| EFFLUENT GROSS VALUE                                                       | PERMIT<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 625<br>MO AVG       | 938<br>MX WK AV    | (26)<br>LBS/DY | *****                    | 10<br>MO AVG     | 15<br>MX WK AV     | (19)<br>MG/L  |          | THREE/<br>WEEK              | COMPOS         |
| BOD, CARB 5-DAY, 20<br>DEG C, PERCENT REMVL<br>80091 K 0 0                 | SAMPLE<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | *****               | *****              | ***            | 99                       | *****            | *****              | (23)<br>CENT  | 0        | 1/30                        | CA             |
| PERCENTREMOVAL                                                             | PERMIT<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | *****               | *****              | ***            | 85<br>MO MIN             | *****            | *****              | (23)<br>CENT  |          | ONCE/<br>MONTH              | CALCTD         |
| SOLIDS, SUSPENDED<br>PERCENT REMOVAL<br>81011 K 0 0                        | SAMPLE<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | *****               | *****              | ***            | 100                      | *****            | *****              | (23)<br>CENT  | 0        | 1/30                        | CA             |
| PERCENTREMOVAL                                                             | PERMIT<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | *****               | *****              | ***            | 85<br>MO MIN             | *****            | *****              | (23)<br>CENT  |          | ONCE/<br>MONTH              | CALCTD         |
|                                                                            | SAMPLE<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |                    |                |                          |                  |                    |               |          |                             |                |
|                                                                            | PERMIT<br>MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |                    |                |                          |                  |                    |               |          |                             |                |
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                                     | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT, SEE 18 U.S.C 1001 AND 33 U.S.C 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years. |                     |                    |                |                          | TELEPHONE        |                    | DATE          |          |                             |                |
| GREG HEITZMAN<br>EXECUTIVE DIRECTOR                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |                    |                |                          | 502 540-6000     |                    | 12 12 18      |          |                             |                |
| TYPED OR PRINTED                                                           | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     |                    |                |                          | AREA CODE        | NUMBER             |               |          |                             |                |
| COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |                    |                |                          |                  |                    |               |          |                             |                |

NAME OF TREATMENT PLANT CEDAR CREEK WTPCOUNTY JEFFERSONMONTH OF: November 2012KPDES PERMIT NUMBER KY0098540PLANT CAPACITY 7.5 MGDRECEIVING STREAM CEDAR CREEK

| DATE | TOTAL FLOW<br>(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<br>(CUBIC FEET) | SCREENINGS<br>(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            |               | WASTE<br>D | GAL/DAY<br>X 1000 | DISSOLVED OXYGEN<br>(mg/L) | MLSS<br>(mg/L)<br>X 1000 | MLVSS<br>(mg/L)<br>X 1000 | SETTLED SLUDGE VOLUME |         | RAW               |              | HAULED            |              |                   | NH3-N (mg/L) | FECAL COLIFORM<br>(COLONIES/100ML) | Total<br>Phosphorus |                                |     |
|      |                                 |                              |                            |     |       |                          |                  |                         |              |                         |              |                   |                  |                  |     |                  |                | GAL/DAY<br>X 1000 | MLSS<br>X1000 |            |                   |                            |                          |                           | 30 MIN.               | 60 MIN. | GALLONS<br>X 1000 | % DRY SOLIDS | % VOLATILE SOLIDS | % DRY SOLIDS | % VOLATILE SOLIDS |              |                                    |                     | WITHDRAWN<br>GALLONS<br>X 1000 |     |
|      |                                 |                              |                            |     |       |                          |                  |                         |              |                         |              |                   |                  |                  |     |                  |                |                   |               |            |                   |                            |                          |                           |                       |         |                   |              |                   |              |                   |              |                                    |                     |                                |     |
| 1    | 2.64                            |                              |                            | 6.8 | 6.8   |                          |                  |                         |              | 8.7                     |              | 910               |                  | 2                | 211 |                  | 2              | 0.70              | 5820          | 55000      |                   |                            | 4.0                      | 2610                      | 2410                  | 310     | 280               |              |                   |              |                   |              |                                    | 0.28                | 2                              | 0.1 |
| 2    | 2.20                            |                              |                            | 6.9 | 6.8   | 16.0                     |                  |                         |              | 8.4                     |              |                   |                  |                  |     |                  |                | 1.87              | 5840          | 55000      |                   |                            | 5.2                      | 2490                      | 2060                  | 300     | 260               |              |                   |              |                   |              |                                    |                     |                                |     |
| 3    | 2.19                            |                              |                            | 6.8 | 6.8   |                          |                  |                         |              | 8.9                     |              |                   |                  |                  |     |                  |                | 1.98              |               | 55000      |                   |                            | 4.8                      |                           |                       | 270     | 240               |              |                   |              |                   |              |                                    |                     |                                |     |
| 4    | 2.25                            |                              |                            | 6.8 | 6.7   | 12.0                     |                  |                         |              | 8.3                     |              | 1750              |                  | 2                | 294 |                  | 2              | 1.96              |               | 50000      |                   |                            | 4.2                      |                           |                       | 280     | 240               |              |                   |              |                   |              |                                    | 0.67                | 2                              | 0.1 |
| 5    | 1.51                            |                              |                            | 6.7 | 6.8   | 8.0                      |                  |                         |              | 8.1                     |              | 620               |                  | 2                | 173 |                  | 2              | 1.95              | 4010          | 50000      |                   |                            | 3.8                      | 3270                      | 2370                  | 290     | 250               |              |                   |              |                   |              |                                    | 0.34                | 2                              | 0.1 |
| 6    | 2.65                            |                              |                            | 6.9 | 6.8   |                          |                  |                         |              | 8.2                     |              |                   |                  |                  |     |                  |                | 1.27              | 4840          | 50000      |                   |                            | 3.6                      | 2740                      | 2060                  | 290     | 260               |              |                   |              |                   |              |                                    |                     |                                |     |
| 7    | 1.94                            |                              |                            | 6.7 | 6.7   |                          |                  |                         |              | 8.3                     |              |                   |                  |                  |     |                  |                | 1.46              | 4680          | 50000      |                   |                            | 3.6                      | 2140                      | 1770                  | 300     | 280               |              |                   |              |                   |              |                                    |                     |                                |     |
| 8    | 1.91                            |                              |                            | 6.9 | 6.8   |                          |                  |                         |              | 8.2                     |              | 149               |                  | 2                | 76  |                  | 2              | 1.33              | 4590          | 50000      |                   |                            | 3.2                      | 2610                      | 2160                  | 310     | 300               |              |                   |              |                   |              |                                    | 0.06                | 2                              | 0.1 |
| 9    | 1.95                            |                              |                            | 6.8 | 6.8   | 10.0                     |                  |                         |              | 8.4                     |              |                   |                  |                  |     |                  |                | 1.28              | 4690          | 50000      |                   |                            | 3.6                      | 2580                      | 2110                  | 310     | 300               |              |                   |              |                   |              |                                    |                     |                                |     |
| 10   | 2.02                            |                              |                            | 6.9 | 6.6   |                          |                  |                         |              | 10.0                    |              |                   |                  |                  |     |                  |                | 1.18              |               | 50000      |                   |                            |                          |                           |                       | 320     | 310               |              |                   |              |                   |              |                                    |                     |                                |     |
| 11   | 2.13                            |                              |                            | 6.5 | 6.8   |                          |                  |                         |              | 7.9                     |              | 310               |                  | 2                | 130 |                  | 2              | 0.93              |               | 50000      |                   |                            |                          |                           |                       | 280     | 250               |              |                   |              |                   |              |                                    | 0.28                | 2                              | 0.1 |
| 12   | 3.31                            |                              |                            | 6.7 | 6.7   | 10.0                     |                  |                         |              | 8.7                     |              | 184               |                  | 2                | 98  |                  | 2              | 1.24              | 8440          | 50000      |                   |                            | 3.6                      | 2540                      | 2240                  | 290     | 260               |              |                   |              |                   |              |                                    | 0.39                | 5                              | 0.1 |
| 13   | 3.22                            |                              |                            | 6.6 | 6.9   | 8.0                      |                  |                         |              | 8.9                     |              |                   |                  |                  |     |                  |                | 1.27              | 6920          | 50000      |                   |                            | 3.4                      | 2660                      | 2190                  | 290     | 250               |              |                   |              |                   |              |                                    |                     |                                |     |
| 14   | 2.71                            |                              |                            | 6.7 | 6.8   |                          |                  |                         |              | 8.6                     |              |                   |                  |                  |     |                  |                | 1.24              | 6670          | 50000      |                   |                            | 3.2                      | 2590                      | 2340                  | 280     | 260               |              |                   |              |                   |              |                                    |                     |                                |     |
| 15   | 2.41                            |                              |                            | 6.6 | 6.9   |                          |                  |                         |              | 9.2                     |              | 205               |                  | 2                | 130 |                  | 2              | 1.28              | 4750          | 50000      |                   |                            | 3.6                      | 2400                      | 2060                  | 300     | 260               |              |                   |              |                   |              |                                    | 0.28                | 2                              | 0.1 |
| 16   | 2.18                            |                              |                            | 6.9 | 7.1   | 12.0                     |                  |                         |              | 9.7                     |              |                   |                  |                  |     |                  |                | 1.42              | 6590          | 50000      |                   |                            | 3.3                      | 2210                      | 1700                  | 310     | 250               |              |                   |              |                   |              |                                    |                     |                                |     |
| 17   | 2.34                            |                              |                            | 6.8 | 7.1   |                          |                  |                         |              | 9.7                     |              |                   |                  |                  |     |                  |                | 1.31              |               | 50000      |                   |                            | 2.7                      |                           |                       | 300     | 260               |              |                   |              |                   |              |                                    |                     |                                |     |
| 18   | 2.32                            |                              |                            | 6.8 | 7.0   |                          |                  |                         |              | 9.4                     |              | 162               |                  | 2                | 129 |                  | 2              | 1.54              |               | 30000      |                   |                            | 2.6                      |                           |                       | 300     | 250               |              |                   |              |                   |              |                                    | 0.17                | 2                              | 0.1 |
| 19   | 2.09                            |                              |                            | 7.0 | 6.9   | 14.0                     |                  |                         |              | 9.6                     |              | 172               |                  | 2                | 134 |                  | 2              | 1.47              | 5510          | 50000      |                   |                            | 2.6                      | 2710                      | 2120                  | 330     | 260               |              |                   |              |                   |              |                                    | 1.50                | 5                              | 0.1 |
| 20   | 2.00                            |                              |                            | 6.8 | 6.9   | 12.0                     |                  |                         |              | 8.9                     |              |                   |                  |                  |     |                  |                | 1.54              | 5280          | 50000      |                   |                            | 2.4                      | 2660                      | 2100                  | 310     | 250               |              |                   |              |                   |              |                                    |                     |                                |     |
| 21   | 2.13                            |                              |                            | 6.7 | 6.8   |                          |                  |                         |              | 8.8                     |              |                   |                  |                  |     |                  |                | 1.52              | 5550          | 50000      |                   |                            | 3.6                      | 2620                      | 2240                  | 320     | 260               |              |                   |              |                   |              |                                    |                     |                                |     |
| 22   | 2.21                            |                              |                            | 6.6 | 6.9   |                          |                  |                         |              | 9.1                     |              |                   |                  |                  |     |                  |                | 1.49              |               | 50000      |                   |                            | 4.1                      |                           |                       | 290     | 250               |              |                   |              |                   |              |                                    |                     |                                |     |
| 23   | 2.00                            |                              |                            | 6.7 | 6.9   |                          |                  |                         |              | 9.0                     |              |                   |                  |                  |     |                  |                | 1.38              |               | 50000      |                   |                            | 2.6                      |                           |                       | 300     | 260               |              |                   |              |                   |              |                                    |                     |                                |     |
| 24   | 2.09                            |                              |                            | 6.6 | 6.9   |                          |                  |                         |              | 9.3                     |              |                   |                  |                  |     |                  |                | 1.35              |               | 50000      |                   |                            | 2.8                      |                           |                       | 380     | 310               |              |                   |              |                   |              |                                    |                     |                                |     |
| 25   | 2.12                            |                              |                            | 6.6 | 6.8   |                          |                  |                         |              | 9.1                     |              | 178               |                  | 2                | 158 |                  | 2              | 1.26              |               | 50000      |                   |                            | 3.3                      |                           |                       | 370     | 310               |              |                   |              |                   |              |                                    | 1.20                | 2                              | 0.1 |
| 26   | 1.97                            |                              |                            | 6.7 | 6.9   | 16.0                     |                  |                         |              | 9.2                     |              | 254               |                  | 2                | 230 |                  | 2              | 1.32              | 5820          | 50000      |                   |                            | 2.1                      | 2660                      | 2250                  | 360     | 310               |              |                   |              |                   |              |                                    | 1.70                | 4                              | 0.1 |
| 27   | 1.89                            |                              |                            | 6.8 | 6.9   | 12.0                     |                  |                         |              | 9.4                     |              | 180               |                  | 2                | 153 |                  | 2              | 1.48              | 6920          | 60000      |                   |                            | 2.2                      | 2860                      | 2400                  | 400     | 320               |              |                   |              |                   |              |                                    | 0.39                | 2                              | 0.1 |
| 28   | 1.87                            |                              |                            | 6.7 | 6.7   | 16.0                     |                  |                         |              | 9.2                     |              |                   |                  |                  |     |                  |                | 1.26              | 7140          | 70000      |                   |                            | 3.2                      | 3500                      | 2430                  | 400     | 300               |              |                   |              |                   |              |                                    |                     |                                |     |
| 29   | 1.91                            |                              |                            | 6.8 | 6.8   |                          |                  |                         |              | 9.4                     |              |                   |                  |                  |     |                  |                | 1.40              | 4500          | 70000      |                   |                            | 3.6                      | 2730                      | 2270                  | 390     | 300               |              |                   |              |                   |              |                                    |                     |                                |     |
| 30   | 1.87                            |                              |                            | 6.8 | 6.8   |                          |                  |                         |              | 9.2                     |              |                   |                  |                  |     |                  |                | 1.57              | 5580          | 60000      |                   |                            | 3.2                      | 2710                      | 2260                  | 340     | 290               |              |                   |              |                   |              |                                    |                     |                                |     |
| 31   |                                 |                              |                            |     |       |                          |                  |                         |              |                         |              |                   |                  |                  |     |                  |                |                   |               |            |                   |                            |                          |                           |                       |         |                   |              |                   |              |                   |              |                                    |                     |                                |     |
| Tot. | 66.02                           |                              |                            |     |       |                          |                  |                         |              |                         |              |                   |                  |                  |     |                  |                | 42.25             |               |            |                   |                            |                          |                           |                       |         |                   |              |                   |              |                   |              |                                    |                     |                                |     |
| Avg. | 2.20                            |                              |                            | 6.8 | 6.8   | 12.2                     |                  |                         |              | 8.9                     |              | 423               |                  | 2                | 160 |                  | 2              | 1.408             | 5707          | 51833      |                   |                            | 3.361                    | 2685                      | 2177                  | 317.3   | 272.7             |              |                   |              |                   |              |                                    | 0.60                | 2                              | 0.1 |

RESIDENTIAL  
COMMERCIAL  
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

20960  
FLOW17239  
CBOD36957  
TSSJoseph Shaun Smith  
OPERATOR20987  
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION502-239-7695  
PLANT TELEPHONE