



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)

April 18, 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-March 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 March 2012.

There were no exceedences, bypass or overflow reports. The BOD samples on March 4, 2012 were analyzed. However, due to laboratory personnel not following proper protocol, the sample data was lost. Because of this incident, MSD laboratory personnel were reminded of the proper protocol. If protocol is followed, measures are in place that will prevent a recurrence of lost data.

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 3.12.doc

Enclosures

cc: C. Roth (DOW Louisville)  
T. Singleton  
R. Shaw



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

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

KY0098540  
PERMIT NUMBER

0012  
DISCHARGE NUMBER

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

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

| MONITORING PERIOD |    |     |    |      |    |     |
|-------------------|----|-----|----|------|----|-----|
| YEAR              | MO | DAY | TO | YEAR | MO | DAY |
| 12                | 03 | 01  |    | 12   | 03 | 31  |

NOTE: Read instructions before completing this form

| PARAMETER                                                             | MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | QUANTITY OR LOADING |                 |             | QUALITY OR CONCENTRATION |               |                 |              | NO EX  | FREQUENCY OF ANALYSIS | SAMPLE TYPE |     |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|-------------|--------------------------|---------------|-----------------|--------------|--------|-----------------------|-------------|-----|
|                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | AVERAGE             | MAXIMUM         | UNITS       | MINIMUM                  | AVERAGE       | MAXIMUM         | UNITS        |        |                       |             |     |
| OXYGEN, DISSOLVED (DO)<br>00300 1 0 0<br>EFFLUENT GROSS VALUE         | SAMPLE MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | *****               | *****           | ***         | 8.3                      | *****         | *****           | (19) MG/L    | 0      | 1/1                   | GR          |     |
|                                                                       | PERMIT MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | *****               | *****           | ***         | 7.0 INST MIN             | *****         | *****           | (19) MG/L    |        | THREE/WEEK            | GRAB        |     |
| PH<br>00400 1 0 0<br>EFFLUENT GROSS VALUE                             | SAMPLE MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | *****               | *****           | ***         | 6.6                      | *****         | 7.4             | (12) SU      | 0      | 1/1                   | GR          |     |
|                                                                       | PERMIT MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | *****               | *****           | ***         | 6.0 MINIMUM              | *****         | 9.0 MAXIMUM     | (12) SU      |        | THREE/WEEK            | GRAB        |     |
| SOLIDS, TOTAL SUSPENDED<br>00530 G 0 0<br>RAW SEW/INFLUENT            | SAMPLE MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4704                | 5294            | (26) LBS/DY | *****                    | 103           | 118             | (19) MG/L    | 0      | 3/7                   | CP          |     |
|                                                                       | PERMIT MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | REPORT MO AVG       | REPORT MX WK AV | (26) LBS/DY | *****                    | REPORT MO AVG | REPORT MX WK AV | (19) MG/L    |        | THREE/WEEK            | COMPOS      |     |
| SOLIDS, TOTAL SUSPENDED<br>00530 1 0 0<br>EFFLUENT GROSS VALUE        | SAMPLE MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 94                  | 119             | (26) LBS/DY | *****                    | 2             | 2               | (19) MG/L    | 0      | 3/7                   | CP          |     |
|                                                                       | PERMIT MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1876 MO AVG         | 2815 MX WK AV   | (26) LBS/DY | *****                    | 30 MO AVG     | 45 MX WK AV     | (19) MG/L    |        | THREE/WEEK            | COMPOS      |     |
| NITROGEN, AMMONIA TOTAL (AS N)<br>00610 G 0 0<br>RAW SEW/INFLUENT     | SAMPLE MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 344                 | 373             | (26) LBS/DY | *****                    | 8             | 10              | (19) MG/L    | 0      | 3/7                   | CP          |     |
|                                                                       | PERMIT MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | REPORT MO AVG       | REPORT MX WK AV | (26) LBS/DY | *****                    | REPORT MO AVG | REPORT MX WK AV | (19) MG/L    |        | THREE/WEEK            | COMPOS      |     |
| NITROGEN, AMMONIA TOTAL (AS N)<br>00610 1 2 0<br>EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 14                  | 22              | (26) LBS/DY | *****                    | 0.3           | 0.4             | (19) MG/L    | 0      | 3/7                   | CP          |     |
|                                                                       | PERMIT MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 625 MO AVG          | 938 MX WK AV    | (26) LBS/DY | *****                    | 10 MO AVG     | 15 MX WK AV     | (19) MG/L    |        | THREE/WEEK            | COMPOS      |     |
| PHOSPHORUS, TOTAL (AS P)<br>00665 1 0 0<br>EFFLUENT GROSS VALUE       | SAMPLE MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5                   | 7               | (26) LBS/DY | *****                    | 0.1           | 0.1             | (19) MG/L    | 0      | 3/7                   | CP          |     |
|                                                                       | PERMIT MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 125 MO AVG          | 156 MX WK AV    | (26) LBS/DY | *****                    | 2.0 MO AVG    | 2.5 MX WK AV    | (19) MG/L    |        | THREE/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. 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 C. HEITZMAN<br>INTERIM EXECUTIVE DIRECTOR                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                 |             |                          |               |                 | 502 540-6000 |        | 12                    | 04          | 19  |
| TYPED OR PRINTED                                                      | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |                 |             |                          |               |                 | AREA CODE    | NUMBER | YEAR                  | MO          | DAY |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Please see cover letter for explanation for NODI code #8.

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

KY0098540  
PERMIT NUMBER

0012  
DISCHARGE NUMBER

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

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

| MONITORING PERIOD |    |     |    |      |    |     |
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| YEAR              | MO | DAY | TO | YEAR | MO | DAY |
| 12                | 03 | 01  |    | 12   | 03 | 31  |

NOTE: Read instructions before completing this form

| PARAMETER                                                                  | MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | QUANTITY OR LOADING |                 |             | QUALITY OR CONCENTRATION |               |                                                              |            | NO EX    | FREQUENCY OF ANALYSIS | SAMPLE TYPE |     |
|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|-------------|--------------------------|---------------|--------------------------------------------------------------|------------|----------|-----------------------|-------------|-----|
|                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | AVERAGE             | MAXIMUM         | UNITS       | MINIMUM                  | AVERAGE       | MAXIMUM                                                      | UNITS      |          |                       |             |     |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT                                   | SAMPLE MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5.32                | 10.90           | (03) MGD    | *****                    | *****         | *****                                                        | ***        | 0        | CN                    | CN          |     |
| 50050 1 0 0                                                                | PERMIT MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | REPORT MO AVG       | REPORT DAILY MX | (03) MGD    | *****                    | *****         | *****                                                        | ***        |          | CONTINUOUS            | CONTIN      |     |
| EFFLUENT GROSS VALUE                                                       | SAMPLE MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | *****               | *****           | ***         | *****                    | 4             | 4                                                            | (13) 100ML | 0        | 3/7                   | GR          |     |
| COLIFORM, FECAL GENERAL                                                    | PERMIT MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | *****               | *****           | ***         | *****                    | 200 30DA GEO  | 400 7 DA GEO                                                 | (13) 100ML |          | THREE/WEEK            | GRAB        |     |
| 74055 1 0 0                                                                | SAMPLE MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2380                | 2390            | (26) LBS/DY | *****                    | 53            | 66                                                           | (19) MG/L  | 0        | 11/31                 | CP          |     |
| EFFLUENT GROSS VALUE                                                       | PERMIT MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | REPORT MO AVG       | REPORT MX WK AV | (26) LBS/DY | *****                    | REPORT MO AVG | REPORT MX WK AV                                              | (19) MG/L  |          | THREE/WEEK            | COMPOS      |     |
| BOD, CARBONACEOUS 05 DAY, 20C                                              | SAMPLE MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 96                  | 119             | (26) LBS/DY | *****                    | 2             | 2                                                            | (19) MG/L  | 0        | 11/31                 | CP          |     |
| 80082 G 0 0                                                                | PERMIT MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 625 MO AVG          | 938 MX WK AV    | (26) LBS/DY | *****                    | 10 MO AVG     | 15 MX WK AV                                                  | (19) MG/L  |          | THREE/WEEK            | COMPOS      |     |
| RAW SEW/INFLUENT                                                           | SAMPLE MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | *****               | *****           | ***         | 96                       | *****         | *****                                                        | (23) CENT  | 0        | 1/31                  | CA          |     |
| BOD, CARBONACEOUS 05 DAY, 20C                                              | PERMIT MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | *****               | *****           | ***         | 85 MO MIN                | *****         | *****                                                        | (23) CENT  |          | ONCE/MONTH            | CALCTD      |     |
| 80082 1 0 0                                                                | SAMPLE MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | *****               | *****           | ***         | 98                       | *****         | *****                                                        | (23) CENT  | 0        | 1/31                  | CA          |     |
| EFFLUENT GROSS VALUE                                                       | PERMIT MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | *****               | *****           | ***         | 85 MO MIN                | *****         | *****                                                        | (23) CENT  |          | ONCE/MONTH            | CALCTD      |     |
| BOD, CARB 5-DAY, 20 DEG C, PERCENT REMVL                                   | SAMPLE MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                 |             |                          |               |                                                              |            |          |                       |             |     |
| 80091 K 0 0                                                                | PERMIT MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                 |             |                          |               |                                                              |            |          |                       |             |     |
| PERCENTREMOVAL                                                             | SAMPLE MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                 |             |                          |               |                                                              |            |          |                       |             |     |
| SOLIDS, SUSPENDED PERCENT REMOVAL                                          | PERMIT MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                 |             |                          |               |                                                              |            |          |                       |             |     |
| 81011 K 0 0                                                                | SAMPLE MEASUREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                 |             |                          |               |                                                              |            |          |                       |             |     |
| PERCENTREMOVAL                                                             | PERMIT 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 C. HEITZMAN<br>INTERIM EXECUTIVE DIRECTOR                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |                 |             |                          |               |                                                              | 502        | 540-6000 | 12                    | 04          | 19  |
| TYPED OR PRINTED                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |                 |             |                          |               |                                                              | AREA CODE  | NUMBER   | YEAR                  | MO          | DAY |
| COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |                 |             |                          |               | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT |            |          |                       |             |     |

Please see cover letter for explanation for NODI code #8.

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: March 2012  
 KPDES PERMIT NUMBER KY0098540 PLANT CAPACITY 7.5 MGD RECEIVING STREAM CEDAR CREEK

| DATE | TOTAL FLOW (MILLION GALLONS) | RAW SEWAGE                |                         | pH  |       | SETTLABLE SOLIDS (mg/L) |                  | DISSOLVED OXYGEN (mg/L) |              | SUSPENDED SOLIDS (mg/L) |              | 5 DAY CBOD (mg/L) |                  | ACTIVATED SLUDGE |         | AERATION BASIN   |                |                |             |                 |                         | SLUDGE HANDLING    |                     |         |         | FINAL                 |              |                   |              |                   |              |                                |                  |   |      |      |      |       |     |
|------|------------------------------|---------------------------|-------------------------|-----|-------|-------------------------|------------------|-------------------------|--------------|-------------------------|--------------|-------------------|------------------|------------------|---------|------------------|----------------|----------------|-------------|-----------------|-------------------------|--------------------|---------------------|---------|---------|-----------------------|--------------|-------------------|--------------|-------------------|--------------|--------------------------------|------------------|---|------|------|------|-------|-----|
|      |                              | GRIT REMOVED (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 | GAL/DAY X 1000 | MLSS X 1000 | WASTE D GAL/DAY | DISSOLVED OXYGEN (mg/L) | MLSS (mg/L) X 1000 | MLVSS (mg/L) X 1000 | 30 MIN. | 90 MIN. | SETTLED SLUDGE VOLUME | RAW          |                   | HAULED       |                   | NH3-N (mg/L) | FECAL COLIFORMS (colony/100ml) | Total Phosphorus |   |      |      |      |       |     |
|      |                              |                           |                         |     |       |                         |                  |                         |              |                         |              |                   |                  |                  |         |                  |                |                |             |                 |                         |                    |                     |         |         |                       | % DRY SOLIDS | % VOLATILE SOLIDS | % DRY SOLIDS | % VOLATILE SOLIDS |              |                                |                  |   |      |      |      |       |     |
| 1    | 4.08                         |                           |                         | 6.9 | 7.1   |                         |                  |                         | 9.7          |                         | 99           |                   | 2                | 56               |         | 2                | 3.77           | 4660           | 100000      | 3.8             | 2860                    | 2310               | 640                 | 490     |         |                       |              |                   |              |                   |              |                                | 0.11             | 4 | 0.1  |      |      |       |     |
| 2    | 4.77                         |                           |                         | 7.0 | 7.4   | 10.0                    |                  |                         | 9.4          |                         |              |                   |                  |                  |         |                  | 3.75           | 5230           | 80000       | 4.1             | 2480                    | 1910               | 580                 | 440     |         |                       |              |                   |              |                   |              |                                |                  |   |      |      |      |       |     |
| 3    | 4.88                         |                           |                         | 6.8 | 7.1   |                         |                  |                         | 9.0          |                         |              |                   |                  |                  |         |                  | 3.78           | 4930           | 81000       | 3.8             | 2300                    | 1860               | 510                 | 400     |         |                       |              |                   |              |                   |              |                                |                  |   |      |      |      |       |     |
| 4    | 4.17                         |                           |                         | 6.8 | 7.1   |                         |                  |                         | 9.6          |                         | 122          |                   | 2                | Scratched        | Scratch |                  | 3.73           | 3840           | 85000       | 4.0             | 2760                    | 2290               | 550                 | 410     |         |                       |              |                   |              |                   |              |                                |                  |   | 0.28 | 4    | 0.1  |       |     |
| 5    | 4.67                         |                           |                         | 6.9 | 7.0   | 14.0                    |                  |                         | 9.5          |                         | 134          |                   | 2                | 93               |         |                  | 3.74           | 4260           | 90000       | 3.6             | 2610                    | 2440               | 540                 | 400     |         |                       |              |                   |              |                   |              |                                |                  |   | 0.17 | 4    | 0.1  |       |     |
| 6    | 5.04                         |                           |                         | 6.8 | 7.1   | 11.0                    |                  |                         | 8.9          |                         |              |                   |                  |                  |         |                  | 3.76           | 4640           | 90000       | 4.6             | 2390                    | 2060               | 510                 | 380     |         |                       |              |                   |              |                   |              |                                |                  |   |      |      |      |       |     |
| 7    | 5.08                         |                           |                         | 6.9 | 7.0   |                         |                  |                         | 8.7          |                         |              |                   |                  |                  |         |                  | 2.99           | 4180           | 90000       | 3.6             | 2320                    | 1990               | 500                 | 380     |         |                       |              |                   |              |                   |              |                                |                  |   |      |      |      |       |     |
| 8    | 5.57                         |                           |                         | 6.8 | 6.9   |                         |                  |                         | 8.6          |                         | 62           |                   | 2                | 25               |         |                  | 2.15           | 5360           | 80000       | 2.8             | 2180                    | 1830               | 480                 | 350     |         |                       |              |                   |              |                   |              |                                |                  |   | 0.28 | 4    | 0.1  |       |     |
| 9    | 6.66                         |                           |                         | 6.9 | 6.9   | 8.0                     |                  |                         | 8.8          |                         |              |                   |                  |                  |         |                  | 2.45           | 5750           | 80000       | 3.4             | 2100                    | 1670               | 480                 | 360     |         |                       |              |                   |              |                   |              |                                |                  |   |      |      |      |       |     |
| 10   | 5.18                         |                           |                         | 6.8 | 6.9   |                         |                  |                         | 9.2          |                         |              |                   |                  |                  |         |                  | 3.96           |                | 80000       | 4.2             |                         |                    | 350                 | 350     |         |                       |              |                   |              |                   |              |                                |                  |   |      |      |      |       |     |
| 11   | 5.18                         |                           |                         | 6.7 | 7.0   |                         |                  |                         | 9.2          |                         | 75           |                   | 2                | 45               |         |                  | 4.03           | 5220           | 80000       | 4.1             | 2390                    | 1990               | 350                 | 350     |         |                       |              |                   |              |                   |              |                                |                  |   | 0.06 | 4    | 0.1  |       |     |
| 12   | 9.15                         |                           |                         | 6.8 | 7.0   | 9.0                     |                  |                         | 9.1          |                         | 128          |                   | 2                | 50               |         |                  | 4.03           | 4020           | 80000       | 3.7             | 2280                    | 1940               | 440                 | 340     |         |                       |              |                   |              |                   |              |                                |                  |   |      | 0.28 | 4    | 0.1   |     |
| 13   | 4.35                         |                           |                         | 6.8 | 6.9   | 11.0                    |                  |                         | 9.0          |                         |              |                   |                  |                  |         |                  | 3.69           | 4260           | 80000       | 2.9             | 2320                    | 2010               | 420                 | 340     |         |                       |              |                   |              |                   |              |                                |                  |   |      |      |      |       |     |
| 14   | 3.91                         |                           |                         | 6.9 | 7.0   |                         |                  |                         | 8.8          |                         |              |                   |                  |                  |         |                  | 4.01           | 4480           | 70000       | 3.6             | 2310                    | 2040               | 420                 | 340     |         |                       |              |                   |              |                   |              |                                |                  |   |      |      |      |       |     |
| 15   | 4.85                         |                           |                         | 6.7 | 7.1   |                         |                  |                         | 8.7          |                         | 123          |                   | 2                | 46               |         |                  | 3.90           | 5320           | 70000       | 2.6             | 2810                    | 2420               | 450                 | 360     |         |                       |              |                   |              |                   |              |                                |                  |   |      | 0.34 | 4    | 0.121 |     |
| 16   | 10.90                        |                           |                         | 6.8 | 7.0   | 8.0                     |                  |                         | 9.2          |                         |              |                   |                  |                  |         |                  | 3.99           | 4560           | 70000       | 2.8             | 1590                    | 1270               | 300                 | 250     |         |                       |              |                   |              |                   |              |                                |                  |   |      |      |      |       |     |
| 17   | 7.05                         |                           |                         | 7.0 | 7.1   |                         |                  |                         | 9.4          |                         |              |                   |                  |                  |         |                  | 4.89           |                | 95000       | 2.6             |                         |                    |                     | 280     |         |                       |              |                   |              |                   |              |                                |                  |   |      |      |      |       |     |
| 18   | 10.31                        |                           |                         | 7.1 | 7.1   |                         |                  |                         | 8.7          |                         | 58           |                   | 2                | 26               |         |                  | 5.35           |                | 78000       | 3.1             |                         |                    |                     | 310     |         |                       |              |                   |              |                   |              |                                |                  |   |      |      |      |       |     |
| 19   | 6.15                         |                           |                         | 7.1 | 7.0   | 14.0                    |                  |                         | 8.6          |                         | 95           |                   | 2                | 48               |         |                  | 5.13           | 4910           | 70000       | 3.2             | 2060                    | 1730               | 370                 | 320     |         |                       |              |                   |              |                   |              |                                |                  |   | 0.45 | 4    | 0.12 |       |     |
| 20   | 5.00                         |                           |                         | 7.0 | 7.1   | 10.0                    |                  |                         | 8.6          |                         |              |                   |                  |                  |         |                  | 5.33           | 2620           | 70000       | 3.8             | 2370                    | 1920               | 380                 | 300     |         |                       |              |                   |              |                   |              |                                |                  |   |      | 0.28 | 4    | 0.122 |     |
| 21   | 4.72                         |                           |                         | 6.9 | 7.0   |                         |                  |                         | 8.5          |                         |              |                   |                  |                  |         |                  | 4.39           | 4620           | 70000       | 3.0             | 2660                    | 2140               | 410                 | 340     |         |                       |              |                   |              |                   |              |                                |                  |   |      |      |      |       |     |
| 22   | 3.86                         |                           |                         | 7.0 | 6.9   |                         |                  |                         | 8.4          |                         | 87           |                   | 2                | 59               |         |                  | 3.88           | 4910           | 70000       | 4.0             | 2480                    | 2090               | 400                 | 350     |         |                       |              |                   |              |                   |              |                                |                  |   |      | 0.45 | 4    | 0.144 |     |
| 23   | 5.80                         |                           |                         | 6.8 | 7.1   | 7.0                     |                  |                         | 8.5          |                         |              |                   |                  |                  |         |                  | 3.76           | 5480           | 70000       | 3.3             | 2320                    | 1980               | 410                 | 350     |         |                       |              |                   |              |                   |              |                                |                  |   |      |      |      |       |     |
| 24   | 7.08                         |                           |                         | 6.8 | 7.0   |                         |                  |                         | 8.3          |                         |              |                   |                  |                  |         |                  | 3.92           | 4720           | 70000       | 2.9             | 2320                    | 1880               | 390                 | 320     |         |                       |              |                   |              |                   |              |                                |                  |   |      |      |      |       |     |
| 25   | 5.38                         |                           |                         | 6.7 | 7.0   |                         |                  |                         | 8.5          |                         | 98           |                   | 2                | 35               |         |                  | 3.92           | 4570           | 70000       | 3.0             | 2610                    | 2100               | 460                 | 360     |         |                       |              |                   |              |                   |              |                                |                  |   |      |      |      |       |     |
| 26   | 4.27                         |                           |                         | 6.8 | 7.0   | 10.0                    |                  |                         | 9.6          |                         | 160          |                   | 2                | 104              |         |                  | 3.92           | 5350           | 70000       | 3.6             | 2210                    | 1630               | 450                 | 360     |         |                       |              |                   |              |                   |              |                                |                  |   |      |      | 0.50 | 4     | 0.1 |
| 27   | 3.72                         |                           |                         | 7.0 | 7.2   | 10.0                    |                  |                         | 9.0          |                         |              |                   |                  |                  |         |                  |                | 4020           | 58000       | 3.8             | 1900                    | 1300               | 420                 |         |         |                       |              |                   |              |                   |              |                                |                  |   |      |      |      |       |     |
| 28   | 3.56                         |                           |                         | 6.7 | 7.0   |                         |                  |                         | 9.1          |                         |              |                   |                  |                  |         |                  | 3.86           | 3860           | 50000       | 3.2             | 2440                    | 2010               | 450                 | 350     |         |                       |              |                   |              |                   |              |                                |                  |   |      |      |      |       |     |
| 29   | 3.31                         |                           |                         | 6.7 | 7.0   |                         |                  |                         | 8.8          |                         |              |                   |                  |                  |         |                  | 3.88           | 3900           | 55000       | 3.0             | 2520                    | 2160               | 670                 | 470     |         |                       |              |                   |              |                   |              |                                |                  |   |      |      |      |       |     |
| 30   | 3.14                         |                           |                         | 6.7 | 6.6   |                         |                  |                         | 10.0         |                         |              |                   |                  |                  |         |                  | 3.79           | 4100           | 70000       | 2.5             | 2180                    | 1680               | 540                 | 380     |         |                       |              |                   |              |                   |              |                                |                  |   |      |      |      |       |     |
| 31   | 3.36                         |                           |                         | 6.8 | 6.8   |                         |                  |                         | 9.9          |                         |              |                   |                  |                  |         |                  | 3.73           | 4180           | 60000       | 2.7             | 2450                    | 1970               | 540                 | 400     |         |                       |              |                   |              |                   |              |                                |                  |   |      |      |      |       |     |
| Tot. | 164.96                       |                           |                         |     |       |                         |                  |                         |              |                         |              |                   |                  |                  |         |                  | 117.5          |                |             |                 |                         |                    |                     |         |         |                       |              |                   |              |                   |              |                                |                  |   |      |      |      |       |     |
| Avg. | 5.32                         |                           |                         | 6.9 | 7.0   | 10.2                    |                  |                         | 9.0          |                         | 103          |                   | 2                | 53               |         |                  | 3.916          | 4568           | 75225.8065  | 3.397           | 2373                    | 1950               | 462.4               | 361     |         |                       |              |                   |              |                   |              |                                |                  |   |      | 0.27 | 4    | 0.109 |     |

RESIDENTIAL  
COMMERCIAL  
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

50678 FLOW  
13931 CBOD  
21855 TSS

Jospeh Shaun Smith  
OPERATOR

26034  
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS \_\_\_\_\_  
SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-239-7695  
PLANT TELEPHONE