



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

August 13, 2012

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

RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report-July 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 July 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,

A handwritten signature in cursive script, appearing to read "Duane V. Wright".

Duane V. Wright
Process Supervisor Central Region

DVW/Cedar Creek 7.12.doc

Enclosures

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



Beneficial Use of Louisville's Biosolids
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

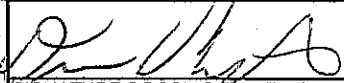
0012
DISCHARGE NUMBER

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

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

| MONITORING PERIOD | | | | | | |
|-------------------|----|-----|----|------|----|-----|
| YEAR | MO | DAY | TO | YEAR | MO | DAY |
| 12 | 07 | 01 | | 12 | 07 | 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) | SAMPLE MEASUREMENT | ***** | ***** | *** | 7.1 | ***** | ***** | (19) MG/L | 0 | 1/1 | GR | |
| 00300 1 0 0 | PERMIT MEASUREMENT | ***** | ***** | *** | 7.0 INST MIN | ***** | ***** | (19) MG/L | | THREE/WEEK | GRAB | |
| PH | SAMPLE MEASUREMENT | ***** | ***** | *** | 6.8 | ***** | 7.4 | (12) SU | 0 | 1/1 | GR | |
| 00400 1 0 0 | PERMIT MEASUREMENT | ***** | ***** | *** | 6.0 MINIMUM | ***** | 9.0 MAXIMUM | (12) SU | | THREE/WEEK | GRAB | |
| SOLIDS, TOTAL SUSPENDED | SAMPLE MEASUREMENT | 4738 | 5295 | (26) LBS/DY | ***** | 282 | 347 | (19) MG/L | 0 | 3/7 | CP | |
| 00530 G 0 0 | 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 | SAMPLE MEASUREMENT | 42 | 53 | (26) LBS/DY | ***** | 3 | 3 | (19) MG/L | 0 | 3/7 | CP | |
| 00530 1 0 0 | 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) | SAMPLE MEASUREMENT | 370 | 394 | (26) LBS/DY | ***** | 22 | 25 | (19) MG/L | 0 | 3/7 | CP | |
| 00610 G 0 0 | 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) | SAMPLE MEASUREMENT | 6 | 8 | (26) LBS/DY | ***** | 0.4 | 0.4 | (19) MG/L | 0 | 3/7 | CP | |
| 00610 1 1 0 | PERMIT MEASUREMENT | 250 MO AVG | 375 MX WK AV | (26) LBS/DY | ***** | 4 MO AVG | 6 MX WK AV | (19) MG/L | | THREE/WEEK | COMPOS | |
| PHOSPHORUS, TOTAL (AS P) | SAMPLE MEASUREMENT | 2 | 2 | (26) LBS/DY | ***** | 0.1 | 0.1 | (19) MG/L | 0 | 3/7 | CP | |
| 00665 1 0 0 | PERMIT MEASUREMENT | 63 MO AVG | 94 MX WK AV | (26) LBS/DY | ***** | 1.0 MO AVG | 1.5 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 INTERIM EXECUTIVE DIRECTOR |  | | | | | | | 502 | 540-6000 | 12 | 08 | 16 |
| TYPED OR PRINTED | | | | | | | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE | NUMBER | YEAR | MO |

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

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

001 2
 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 | TO | YEAR | MO | DAY |
| 12 | 07 | 01 | | 12 | 07 | 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 | 2.12 | 3.22 | (03) MGD | ***** | ***** | ***** | *** | 0 | CN | CN |
| 50050 1 0 0 | PERMIT MEASUREMENT | REPORT MO AVG | REPORT DAILY MX | (03) MGD | ***** | ***** | ***** | *** | | CONTINUOUS | CONTINUOUS |
| EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ***** | ***** | *** | ***** | 2 | 3 | (13) 100ML | 0 | 3/7 | GRAB |
| COLIFORM, FECAL GENERAL | PERMIT MEASUREMENT | ***** | ***** | *** | ***** | 200 30DA GEO | 400 7 DA GEO | (13) 100ML | | THREE/WEEK | GRAB |
| 74055 1 0 0 | SAMPLE MEASUREMENT | 2556 | 2857 | (26) LBS/DY | ***** | 152 | 172 | (19) MG/L | 0 | 3/7 | 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 | 33 | 36 | (26) LBS/DY | ***** | 2 | 2 | (19) MG/L | 0 | 3/7 | 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 | ***** | ***** | *** | 99 | ***** | ***** | (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 | ***** | ***** | *** | 99 | ***** | ***** | (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 INTERIM EXECUTIVE DIRECTOR | | | | | | 502 540-6000 | | 12 08 16 | | | |
| TYPED OR PRINTED | | | | | | AREA NUMBER | | YEAR MO DAY | | | |
| COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | | | CODE | | | | | |

NAME OF TREATMENT PLANT CEDAR CREEK WTP
 KPDES PERMIT NUMBER KY0098540

COUNTY JEFFERSON
 PLANT CAPACITY 7.5 MGD

MONTH OF: July 2012
 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 | GAUDAY X 1000 | MLSS X 1000 | GAUDAY X 1000 | DISSOLVED OXYGEN (mg/L) | MLSS (mg/L) X 1000 | MLVSS (mg/L) X 1000 | SETTLED SLUDGE VOLUME | | RAW | | | HAULED | | | NH3-N (mg/L) | FECAL COLIFORM (COLONIES/100ML) | Total Phosphorus | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 30 MIN. | 60 MIN. | GALLONS X 1000 | % DRY SOLIDS | % VOLATILE SOLIDS | % DRY SOLIDS | % VOLATILE SOLIDS | GALLONS X 1000 | | | | | |
| 1 | 1.96 | | | 6.6 | 7.2 | | | | 7.4 | | 388 | | 2 | 189 | | 2 | 1.91 | 4640 | 60000 | 2.6 | 2710 | 2080 | 250 | 230 | | | | | | | | | 0.34 | 2 | 0.1 | |
| 2 | 2.08 | | | 6.8 | 7.1 | | | | 7.6 | | 218 | | 2 | 90 | | 2 | 1.89 | 4640 | 60000 | 2.0 | 2710 | 2080 | 250 | 230 | | | | | | | | | 0.22 | 2 | 0.104 | |
| 3 | 1.79 | | | 6.8 | 7.1 | | | | 7.6 | | | | | | | | 1.86 | 4120 | 60000 | 3.3 | 2510 | 2020 | 250 | 230 | | | | | | | | | | | | |
| 4 | 1.85 | | | 6.7 | 7.2 | | | | 7.6 | | 202 | | 3 | 152 | | 2 | 1.88 | 4800 | 60000 | 2.2 | 2770 | 2230 | 250 | 230 | | | | | | | | | | 0.62 | 2 | 0.1 |
| 5 | 1.74 | | | 6.9 | 6.9 | | | | 7.7 | | | | | | | | 1.87 | 3870 | 60000 | 2.0 | 2560 | 2060 | 250 | 230 | | | | | | | | | | | | |
| 6 | 1.62 | | | | 7.1 | | | | 7.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 1.71 | | | 6.8 | 7.0 | | | | 7.8 | | | | | | | | 1.89 | 5110 | 60000 | 2.9 | 2420 | 2090 | 280 | 230 | | | | | | | | | | | | |
| 8 | 1.91 | | | 6.9 | 6.9 | | | | 7.5 | | 382 | | 2 | 210 | | 2 | 1.64 | 5930 | 45000 | 3.3 | 2550 | 1880 | 270 | 240 | | | | | | | | | 0.50 | 2 | 0.1 | |
| 9 | 1.75 | | | 6.8 | 7.0 | | | | 7.6 | | 340 | | 2 | 164 | | 2 | 1.73 | 4860 | 45000 | 2.6 | 2590 | 1990 | 260 | 250 | | | | | | | | | 0.28 | 2 | 0.101 | |
| 10 | 1.59 | | | 7.0 | 7.3 | | | | 8.0 | | 320 | | 2 | 141 | | 2 | 1.89 | 3640 | 50000 | 2.6 | 2950 | 2350 | 280 | 250 | | | | | | | | | 0.22 | 2 | 0.1 | |
| 11 | 1.62 | | | 7.1 | 7.4 | | | | 8.4 | | | | | | | | 1.95 | 3680 | 50000 | 2.8 | 2430 | 1950 | 280 | 250 | | | | | | | | | | | | |
| 12 | 1.96 | | | 6.7 | 7.0 | | | | 8.3 | | | | | | | | 1.93 | 5170 | 45000 | 3.1 | 2500 | 1990 | 270 | 250 | | | | | | | | | | | | |
| 13 | 2.19 | | | 6.9 | 7.1 | | | | 7.8 | | | | | | | | 1.97 | 4180 | 45000 | 2.6 | 2290 | 1760 | 250 | 240 | | | | | | | | | | | | |
| 14 | 2.32 | | | 6.9 | 7.0 | | | | 8.0 | | | | | | | | 1.99 | 6980 | 45000 | 3.0 | 2470 | 1960 | 270 | 250 | | | | | | | | | | | | |
| 15 | 2.44 | | | 6.9 | 7.0 | | | | 7.7 | | 428 | | 2 | 202 | | 2 | 1.92 | 6140 | 50000 | 2.9 | 2990 | 2330 | 250 | 240 | | | | | | | | | 0.62 | 2 | 0.1 | |
| 16 | 2.14 | | | 7.0 | 7.1 | | | | 7.8 | | 264 | | 3 | 181 | | 2 | 1.88 | 5720 | 60000 | 3.4 | 2780 | 2160 | 260 | 240 | | | | | | | | | 0.50 | 2 | 0.1 | |
| 17 | 1.90 | | | 6.9 | 7.0 | | | | 7.6 | | 156 | | 3 | 78 | | 2 | 1.66 | 4930 | 60000 | 3.4 | 2650 | 2090 | 280 | 260 | | | | | | | | | 0.17 | 2 | 0.1 | |
| 18 | 2.02 | | | 6.9 | 7.0 | | | | 7.6 | | | | | | | | 1.66 | 5540 | 55000 | 2.9 | 2470 | 1910 | 270 | 250 | | | | | | | | | | | | |
| 19 | 3.15 | | | 7.1 | 7.1 | | | | 7.5 | | | | | | | | 1.78 | 5220 | 50000 | 1.9 | 2580 | 2110 | 260 | 240 | | | | | | | | | | | | |
| 20 | 3.22 | | | 7.0 | 7.0 | | | | 7.6 | | | | | | | | 1.82 | 4860 | 55000 | 2.1 | 2620 | 2170 | 260 | 240 | | | | | | | | | | | | |
| 21 | 2.55 | | | 6.9 | 7.0 | | | | 8.0 | | | | | | | | 1.64 | 5510 | 55000 | 2.5 | 2890 | 2310 | 250 | 230 | | | | | | | | | | | | |
| 22 | 2.32 | | | 7.1 | 7.4 | | | | 7.8 | | 348 | | 2 | 193 | | 2 | 1.81 | 6630 | 55000 | 2.5 | 2750 | 2240 | 250 | 230 | | | | | | | | | 0.22 | 6 | 0.1 | |
| 23 | 2.10 | | | 7.0 | 7.2 | | | | 7.9 | | 120 | | 5 | 85 | | 2 | 1.79 | 6420 | 55000 | 3.4 | 2700 | 2180 | 250 | 230 | | | | | | | | | 0.11 | 2 | 0.1 | |
| 24 | 2.03 | | | 6.8 | 7.2 | | | | 7.8 | | 212 | | 2 | 134 | | 2 | 1.96 | 4200 | 55000 | 3.1 | 2710 | 2190 | 250 | 240 | | | | | | | | | 0.34 | 2 | 0.1 | |
| 25 | 1.92 | | | 6.9 | 7.3 | | | | 7.6 | | | | | | | | 2.15 | 4640 | 55000 | 3.0 | 2760 | 2240 | 250 | 230 | | | | | | | | | | | | |
| 26 | 1.92 | | | 7.0 | 7.2 | | | | 7.4 | | | | | | | | 2.03 | 5320 | 55000 | 3.1 | 2410 | 1910 | 240 | 230 | | | | | | | | | | | | |
| 27 | 2.11 | | | 6.8 | 7.2 | | | | 7.5 | | | | | | | | 1.96 | 5060 | 55000 | 2.8 | 2540 | 2060 | 250 | 230 | | | | | | | | | | | | |
| 28 | 3.12 | | | 6.6 | 6.8 | | | | 7.1 | | | | | | | | 2.07 | 5450 | 55000 | 3.0 | 2120 | 1470 | 240 | 220 | | | | | | | | | | | | |
| 29 | 2.53 | | | 6.7 | 6.8 | | | | 7.4 | | | | | | | | 1.85 | 4730 | 55000 | 2.9 | 2670 | 2050 | 230 | 220 | | | | | | | | | | | | |
| 30 | 2.19 | | | 6.6 | 6.8 | | | | 7.6 | | | | | | | | 2.00 | 3940 | 60000 | 2.1 | 2600 | 2140 | 260 | 240 | | | | | | | | | | | | |
| 31 | 1.99 | | | 6.6 | 7.0 | | | | 7.4 | | | | | | | | 2.19 | 3220 | 60000 | 2.6 | 2590 | 2080 | 270 | 240 | | | | | | | | | | | | |
| Tot. | 65.73 | | | | | | | | | | | | | | | | 56.57 | | | | | | | | | | | | | | | | | | | |
| Avg. | 2.12 | | | 6.9 | 7.1 | | | | 7.7 | | 282 | | 3 | 152 | | 2 | 1.886 | 4983 | 54193.5 | 2.753 | 2606 | 2069 | 257.7 | 237.3 | | | | | | | | | 0.35 | 2 | 0.1 | |

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
 20193 FLOW 15767 CBOD 23704 TSS

Joseph Shaun Smith
 OPERATOR

20987
 CERT. NO.

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

502-239-7695
 PLANT TELEPHONE