

STATE OF NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY

# DIVISION OF WATER RESOURCES LABORATORY CERTIFICATION BRANCH

In accordance with the provisions of N.C.G.S. 143-215.3 (a) (1), 143-215.3 (a)(10) and NCAC 2H.0800:



# 2017

## Con-Test Analytical Laboratory

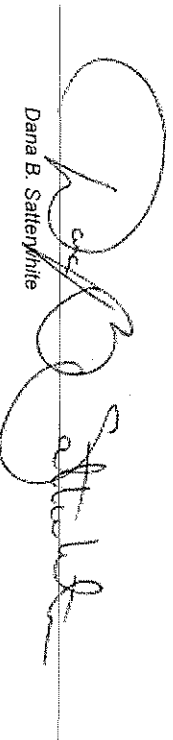
Is hereby certified to perform environmental analysis as listed on Attachment I and report monitoring data to DEQ for compliance with NPDES effluent, surface water, groundwater, and pretreatment regulations.

By reference 15A NCAC 2H .0800 is made a part of this certificate.

This certificate does not guarantee validity of data generated, but indicates the methodology, equipment, quality control procedures, records, and proficiency of the laboratory have been examined and found to be acceptable.

This certificate shall be valid until 12/31/2017

Certificate No. 652



Dana B. Satterwhite

# North Carolina Wastewater/Groundwater Laboratory Certification

## Certified Parameters Listing

Lab Name: Con-Test Analytical Laboratory  
 Address: 39 Spruce Street  
 East Longmeadow, MA 01028-

Certificate Number: 652  
 Effective Date: 1/1/2017  
 Expiration Date: 12/31/2017  
 Date of Last Amendment: 1/19/2017

The above named laboratory, having duly met the requirements of 15A NCAC 2H.0800, is hereby certified for the measurement of the parameters listed below.

### CERTIFIED PARAMETERS

|   |  |
|---|--|
| <b>INORGANIC</b>  | EPA 300.0, Rev. 2.1, 1993 (Aqueous)                |
| ALKALINITY  | NITROGEN, NITRITE                                  |
| SM 2320 B-1997 (Aqueous)  | SM 4500-NO3 <sup>-</sup> -F-2000 (Aqueous)         |
| BOD   | SM 4500-NO2 <sup>-</sup> -B-2000 (Aqueous)         |
| SM 5210 B-2001 (Aqueous)  | EPA 300.0, Rev. 2.1, 1993 (Aqueous)                |
| BROMIDE   | NITROGEN, NO3 + NO2                                |
| EPA 300.0, Rev. 2.1, 1993 (Aqueous)   | SM 4500 NO3 <sup>-</sup> -F-2000 (Aqueous)         |
| CBOD  | NITROGEN, TOTAL KjELDAHL                           |
| SM 5210 B-2001 (Aqueous)  | SM 4500 Norg B-1997 (SM 4500 NH3 C-1997) (Aqueous) |
| CHLORIDE  | SM 4500 Norg C-1997 (SM 4500 NH3 C-1997) (Aqueous) |
| EPA 300.0, Rev. 2.1, 1993 (Aqueous)   | OIL & GREASE                                       |
| SM 4500 Cl <sup>-</sup> -B-1997 (Aqueous)   | EPA 1664 Rev. B (Aqueous)                          |
| COD   | ORGANIC CARBON, TOTAL                              |
| EPA 410.4, Rev. 2.0, 1993 (Aqueous)   | SM 5310 B-2000 (Combustion) (Aqueous)              |
| CONDUCTIVITY  | PAINT FILTER LIQUIDS                               |
| SM 2510 B-1997 (Aqueous)  | SW-846 9095B                                       |
| CYANIDE   | PHOSPHATE, ORTHO                                   |
| SW-846 9014 (Total) (Colorimetric) (Aqueous)  | EPA 300.0, Rev. 2.1, 1993 (Aqueous)                |
| SW-846 9014 (Total) (Colorimetric) (Non-Aqueous)  | PHOSPHORUS, TOTAL                                  |
| SM 4500 CN <sup>-</sup> -E-1999 (Total) (Aqueous)   | SM 4500 P-E-1999 (Aqueous)                         |
| FLUORIDE  | RESIDUE, DISSOLVED 180 C                           |
| SM 4500 F <sup>-</sup> -C-1997 (Aqueous)  | SM 2540 C-1997 (Aqueous)                           |
| EPA 300.0, Rev. 2.1, 1993 (Aqueous)   | RESIDUE, SUSPENDED                                 |
| HARDNESS TOTAL  | SM 2540 D-1997 (Aqueous)                           |
| SM 2340 C-1997 (Aqueous)  | RESIDUE, TOTAL                                     |
| IGNITABILITY  | SM 2540 B-1997 (Aqueous)                           |
| SW-846 1010 A (Pensky-Martens) (Aqueous)  | SULFATE  |
| SW-846 1030 (Non-Aqueous)   | EPA 300.0, Rev. 2.1, 1993 (Aqueous)                |
| INORGANIC PHENOLS   | ASTM D 516-07 (Aqueous)                            |
| EPA 420.1, Rev. 1978 (Aqueous)  | SULFIDE  |
| NITROGEN, AMMONIA   | SM 4500 S <sup>2-</sup> -F-2000 (Aqueous)          |
| SM 4500 NH3 C-1997 (Aqueous)  | TURBIDITY  |
| SM 4500 NH3 C-1997 (Non-Aqueous)  | EPA 180.1, Rev. 2.0, 1993 (Aqueous)                |
| NITROGEN, NITRATE   | <b>METAL</b>                                       |
| (NO3 + NO2 SM 4500-NO3 <sup>-</sup> -F-2000) - (NO2 SM 4500-NO2 <sup>-</sup> -B-2000) (Aqueous) | SPLP METALS  |

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### CERTIFIED PARAMETERS

|                                     |                                     |
|-------------------------------------|-------------------------------------|
| SW-846 1312 (Aqueous)               | SW-846 6020 B (Aqueous)             |
| SW-846 1312 (Non-Aqueous)           | SW-846 6020 B (Non-Aqueous)         |
| TCLP METALS                         |                                     |
| SW-846 1311 (Aqueous)               | EPA 200.7, Rev. 4.4, 1994 (Aqueous) |
| SW-846 1311 (Non-Aqueous)           | SW-846 6010 D (Aqueous)             |
| ALUMINUM                            |                                     |
| EPA 200.7, Rev. 4.4, 1994 (Aqueous) | SW-846 6010 D (Non-Aqueous)         |
| SW-846 6010 D (Aqueous)             | EPA 200.8, Rev. 5.4, 1994 (Aqueous) |
| SW-846 6010 D (Non-Aqueous)         | SW-846 6020 B (Aqueous)             |
| ANTIMONY                            |                                     |
| EPA 200.7, Rev. 4.4, 1994 (Aqueous) | SW-846 6020 B (Non-Aqueous)         |
| SW-846 6010 D (Aqueous)             |                                     |
| SW-846 6010 D (Non-Aqueous)         |                                     |
| EPA 200.8, Rev. 5.4, 1994 (Aqueous) |                                     |
| SW-846 6020 B (Aqueous)             |                                     |
| SW-846 6020 B (Non-Aqueous)         |                                     |
| ARSENIC                             |                                     |
| EPA 200.7, Rev. 4.4, 1994 (Aqueous) |                                     |
| SW-846 6010 D (Aqueous)             |                                     |
| SW-846 6010 D (Non-Aqueous)         |                                     |
| EPA 200.8, Rev. 5.4, 1994 (Aqueous) |                                     |
| SW-846 6020 B (Aqueous)             |                                     |
| SW-846 6020 B (Non-Aqueous)         |                                     |
| BARIUM                              |                                     |
| EPA 200.7, Rev. 4.4, 1994 (Aqueous) |                                     |
| SW-846 6010 D (Aqueous)             |                                     |
| SW-846 6010 D (Non-Aqueous)         |                                     |
| EPA 200.8, Rev. 5.4, 1994 (Aqueous) |                                     |
| SW-846 6020 B (Aqueous)             |                                     |
| SW-846 6020 B (Non-Aqueous)         |                                     |
| BERYLLIUM                           |                                     |
| EPA 200.7, Rev. 4.4, 1994 (Aqueous) |                                     |
| SW-846 6010 D (Aqueous)             |                                     |
| SW-846 6010 D (Non-Aqueous)         |                                     |
| EPA 200.8, Rev. 5.4, 1994 (Aqueous) |                                     |
| SW-846 6020 B (Aqueous)             |                                     |
| SW-846 6020 B (Non-Aqueous)         |                                     |
| BORON                               |                                     |
| EPA 200.7, Rev. 4.4, 1994 (Aqueous) |                                     |
| SW-846 6010 D (Aqueous)             |                                     |
| SW-846 6010 D (Non-Aqueous)         |                                     |
| CADMIUM                             |                                     |
| EPA 200.7, Rev. 4.4, 1994 (Aqueous) |                                     |
| SW-846 6010 D (Aqueous)             |                                     |
| SW-846 6010 D (Non-Aqueous)         |                                     |
| EPA 200.8, Rev. 5.4, 1994 (Aqueous) |                                     |
| SW-846 6020 B (Aqueous)             |                                     |
| SW-846 6020 B (Non-Aqueous)         |                                     |
| CALCIUM                             |                                     |
| EPA 200.7, Rev. 4.4, 1994 (Aqueous) |                                     |
| SW-846 6010 D (Aqueous)             |                                     |
| SW-846 6010 D (Non-Aqueous)         |                                     |
| CHROMIUM HEXAVALENT                 |                                     |
| SW 3500-Cr-B-2009 (Aqueous)         |                                     |
| SW-846 7196 A (Aqueous)             |                                     |
| SW-846 7196 A (Non-Aqueous)         |                                     |
| CHROMIUM TOTAL                      |                                     |
| EPA 200.7, Rev. 4.4, 1994 (Aqueous) |                                     |
| SW-846 6010 D (Aqueous)             |                                     |
| SW-846 6010 D (Non-Aqueous)         |                                     |
| EPA 200.8, Rev. 5.4, 1994 (Aqueous) |                                     |
| SW-846 6020 B (Aqueous)             |                                     |
| SW-846 6020 B (Non-Aqueous)         |                                     |
| COBALT                              |                                     |
| EPA 200.7, Rev. 4.4, 1994 (Aqueous) |                                     |
| SW-846 6010 D (Aqueous)             |                                     |
| SW-846 6010 D (Non-Aqueous)         |                                     |
| EPA 200.8, Rev. 5.4, 1994 (Aqueous) |                                     |
| SW-846 6020 B (Aqueous)             |                                     |
| SW-846 6020 B (Non-Aqueous)         |                                     |

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- |   |  |
|---|--|
| <p>COPPER</p> <p>EPA 200.7, Rev. 4.4, 1994 (Aqueous)</p> <p>SW-846 6010 D (Aqueous)</p> <p>SW-846 6010 D (Non-Aqueous)</p> <p>EPA 200.8, Rev. 5.4, 1994 (Aqueous)</p> <p>SW-846 6020 B (Aqueous)</p> <p>SW-846 6020 B (Non-Aqueous)</p> <p>IRON</p> <p>EPA 200.7, Rev. 4.4, 1994 (Aqueous)</p> <p>SW-846 6010 D (Aqueous)</p> <p>SW-846 6010 D (Non-Aqueous)</p> <p>EPA 200.8, Rev. 5.4, 1994 (Aqueous)</p> <p>SW-846 6020 B (Aqueous)</p> <p>SW-846 6020 B (Non-Aqueous)</p> <p>LEAD</p> <p>EPA 200.7, Rev. 4.4, 1994 (Aqueous)</p> <p>SW-846 6010 D (Aqueous)</p> <p>SW-846 6010 D (Non-Aqueous)</p> <p>EPA 200.8, Rev. 5.4, 1994 (Aqueous)</p> <p>SW-846 6020 B (Aqueous)</p> <p>SW-846 6020 B (Non-Aqueous)</p> <p>MAGNESIUM</p> <p>EPA 200.7, Rev. 4.4, 1994 (Aqueous)</p> <p>SW-846 6010 D (Aqueous)</p> <p>SW-846 6010 D (Non-Aqueous)</p> <p>MANGANESE</p> <p>EPA 200.7, Rev. 4.4, 1994 (Aqueous)</p> <p>SW-846 6010 D (Aqueous)</p> <p>SW-846 6010 D (Non-Aqueous)</p> <p>EPA 200.8, Rev. 5.4, 1994 (Aqueous)</p> <p>SW-846 6020 B (Aqueous)</p> <p>SW-846 6020 B (Non-Aqueous)</p> <p>MERCURY</p> <p>EPA 245.1, Rev. 3.0, 1994 (Aqueous)</p> <p>SW-846 7470 A (Aqueous)</p> | <p>SW-846 7470 A (Non-Aqueous)</p> <p>SW-846 7471 B (Non-Aqueous)</p> <p>MOLYBDENUM</p> <p>EPA 200.7, Rev. 4.4, 1994 (Aqueous)</p> <p>SW-846 6010 D (Aqueous)</p> <p>SW-846 6010 D (Non-Aqueous)</p> <p>EPA 200.8, Rev. 5.4, 1994 (Aqueous)</p> <p>SW-846 6020 B (Aqueous)</p> <p>SW-846 6020 B (Non-Aqueous)</p> <p>NICKEL</p> <p>EPA 200.7, Rev. 4.4, 1994 (Aqueous)</p> <p>SW-846 6010 D (Aqueous)</p> <p>SW-846 6010 D (Non-Aqueous)</p> <p>EPA 200.8, Rev. 5.4, 1994 (Aqueous)</p> <p>SW-846 6020 B (Aqueous)</p> <p>SW-846 6020 B (Non-Aqueous)</p> <p>POTASSIUM</p> <p>EPA 200.7, Rev. 4.4, 1994 (Aqueous)</p> <p>SW-846 6010 D (Aqueous)</p> <p>SW-846 6010 D (Non-Aqueous)</p> <p>SELENIUM</p> <p>EPA 200.7, Rev. 4.4, 1994 (Aqueous)</p> <p>SW-846 6010 D (Aqueous)</p> <p>SW-846 6010 D (Non-Aqueous)</p> <p>SILVER</p> <p>EPA 200.7, Rev. 4.4, 1994 (Aqueous)</p> <p>SW-846 6010 D (Aqueous)</p> <p>SW-846 6010 D (Non-Aqueous)</p> <p>EPA 200.8, Rev. 5.4, 1994 (Aqueous)</p> <p>SW-846 6020 B (Aqueous)</p> <p>SW-846 6020 B (Non-Aqueous)</p> <p>SODIUM</p> |
|---|--|

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- |                                     |   |
|-------------------------------------|---|
| EPA 200.7, Rev. 4.4, 1994 (Aqueous) | SW-846 1311 (Aqueous)                     |
| SW-846 6010 D (Aqueous)             | SW-846 1311 (Non-Aqueous)                 |
| SW-846 6010 D (Non-Aqueous)         | 1,2, DIBROMOETHANE (EDB)                  |
| THALLIUM                            | EPA 504.1 (Includes DBCP & TCP) (Aqueous) |
| EPA 200.7, Rev. 4.4, 1994 (Aqueous) | BASE NEUTRAL/ACID, ORGANICS               |
| SW-846 6010 D (Aqueous)             | EPA 625 (Aqueous)                         |
| SW-846 6010 D (Non-Aqueous)         | SW-846 8270 D (Aqueous)                   |
| EPA 200.8, Rev. 5.4, 1994 (Aqueous) | SW-846 8270 D (Non-Aqueous)               |
| SW-846 6020 B (Aqueous)             | CHLORINATED ACID HERBICIDES               |
| SW-846 6020 B (Non-Aqueous)         | SW-846 8151 A (Aqueous)                   |
| TIN                                 | SW-846 8151 A (Non-Aqueous)               |
| EPA 200.7, Rev. 4.4, 1994 (Aqueous) | EXTRACTABLE PETROLEUM HYDROCARBONS        |
| SW-846 6010 D (Aqueous)             | MADDP, May 2004, Rev. 1.1 (Aqueous)       |
| SW-846 6010 D (Non-Aqueous)         | MADDP, May 2004, Rev. 1.1 (Non-Aqueous)   |
| TITANIUM                            | NONHALOGENATED VOLATILE, ORGANICS         |
| EPA 200.7, Rev. 4.4, 1994 (Aqueous) | SW-846 8015 C (Aqueous)                   |
| VANADIUM                            | SW-846 8015 C (Non-Aqueous)               |
| EPA 200.7, Rev. 4.4, 1994 (Aqueous) | PESTICIDES, ORGANOCHLORINE                |
| SW-846 6010 D (Aqueous)             | EPA 608 (Aqueous)                         |
| SW-846 6010 D (Non-Aqueous)         | SW-846 8081 B (Aqueous)                   |
| EPA 200.8, Rev. 5.4, 1994 (Aqueous) | SW-846 8081 B (Non-Aqueous)               |
| SW-846 6020 B (Aqueous)             | POLYCHLORINATED BIPHENYLS (PCBs)          |
| SW-846 6020 B (Non-Aqueous)         | EPA 608 (Aqueous)                         |
| ZINC                                | SW-846 8082 A (Aqueous)                   |
| EPA 200.7, Rev. 4.4, 1994 (Aqueous) | SW-846 8082 A (Non-Aqueous)               |
| SW-846 6010 D (Aqueous)             | PURGEABLE, AROMATICS                      |
| SW-846 6010 D (Non-Aqueous)         | EPA 602 (Aqueous)                         |
| EPA 200.8, Rev. 5.4, 1994 (Aqueous) | PURGEABLE, ORGANICS                       |
| SW-846 6020 B (Aqueous)             | EPA 624 (Aqueous)                         |
| SW-846 6020 B (Non-Aqueous)         | SM 6200 B-1997 (Aqueous)                  |
| ORGANIC                             | SW-846 8260 B (Aqueous)                   |
| SPLP ORGANICS                       | SW-846 8260 B (Non-Aqueous)               |
| SW-846 1312 (Aqueous)               | TPH DIESEL RANGE, ORGANICS                |
| SW-846 1312 (Non-Aqueous)           | SW-846 8015 C (Aqueous)                   |
| TCLP ORGANICS                       | SW-846 8015 C (Non-Aqueous)               |

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TPH GASOLINE RANGE ORGANICS  
SW-846 8015 C (Aqueous)  
SW-846 8015 C (Non-Aqueous)  
VOLATILE PETROLEUM HYDROCARBONS  
MADEP, May 2004, Rev. 1.1 (Aqueous)  
MADEP, May 2004, Rev. 1.1 (Non-Aqueous)