

STATE OF NORTH CAROLINA DEPARTMENT OF THE  
ENVIRONMENT AND NATURAL RESOURCES

# DIVISION OF WATER QUALITY LABORATORY CERTIFICATION PROGRAM

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



# 2012

ENCO - JACKSONVILLE

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

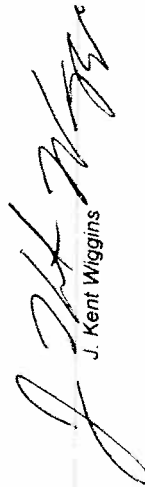
*By reference 15A NCAC 2H .0800 is made a part of this certificate.*

*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 December 31, 2012*

442

Certificate N

  
J. Kent Wiggins

**Attachment I**  
**North Carolina Wastewater/Groundwater Laboratory Certification**  
**Certified Parameters Listing**

Lab Name: ENCO - Jacksonville  
 Address: 4810 Executive Park Court - Suite 111  
 Jacksonville, FL 32216-6069

Certificate Number: 442  
 Effective Date: 01/01/2012  
 Expiration Date: 12/31/2012  
 Date of Last Amendment:

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>INORGANICS</b>	<b>BORON</b>	<b>SILVER</b>
ALKALINITY	EPA Method 200.7	EPA Method 200.7
Std Method 2320B	SW846 Method 6010C	SW846 Method 6010C
<b>BOD</b>	<b>CADMIUM</b>	<b>SODIUM</b>
Std Method 5210B 18th Ed	EPA Method 200.7	EPA Method 200.7
<b>CBOD</b>	SW846 Method 6010C	SW846 Method 6010C
Std Method 5210B 18th Ed	<b>CALCIUM</b>	<b>STRONTIUM</b>
<b>COD</b>	EPA Method 200.7	EPA Method 200.7
Std Method 5220D	SW846 Method 6010C	SW846 Method 6010C
EPA Method 410.4	<b>CHROMIUM TOTAL</b>	<b>THALLIUM</b>
<b>HARDNESS TOTAL</b>	EPA Method 200.7	EPA Method 200.7
Std Method 2340B	SW846 Method 6010C	SW846 Method 6010C
Std Method 2340C	<b>CHROMIUM HEXAVALENT</b>	<b>TIN</b>
<b>IGNITABILITY</b>	Std Method 3500 Cr D	EPA Method 200.7
SW846 Method 1030	<b>COBALT</b>	SW846 Method 6010C
<b>NITRITE NITROGEN</b>	EPA Method 200.7	<b>TITANIUM</b>
Std Method 4500 NO2 B	SW846 Method 6010C	EPA Method 200.7
<b>OIL &amp; GREASE</b>	<b>COPPER</b>	SW846 Method 6010C
EPA Method 1664 Rev A	EPA Method 200.7	<b>VANADIUM</b>
SW846 Method 9071B	SW846 Method 6010C	EPA Method 200.7
<b>pH</b>	<b>IRON</b>	SW846 Method 6010C
Std Method 4500 H B	EPA Method 200.7	<b>ZINC</b>
SW846 Method 9040C	SW846 Method 6010C	EPA Method 200.7
<b>RESIDUE SUSPENDED</b>	<b>LEAD</b>	SW846 Method 6010C
Std Method 2540D	EPA Method 200.7	<b>TCLP METALS</b>
<b>SULFATE</b>	SW846 Method 6010C	SW846 Method 1311
ASTM Method D 516-90	<b>MAGNESIUM</b>	<b>SPLP METALS</b>
<b>TOTAL ORGANIC CARBON</b>	EPA Method 200.7	SW846 Method 1312
Std Method 5310B	SW846 Method 6010C	<b>ORGANICS</b>
<b>TURBIDITY</b>	<b>MANGANESE</b>	<b>ORGANOCHLORINE PESTICIDES &amp; PCBs</b>
Std Method 2130B	EPA Method 200.7	EPA Method 608
EPA Method 180.1	SW846 Method 6010C	<b>ORGANOCHLORINE PESTICIDES</b>
<b>METALS</b>	<b>MERCURY</b>	SW846 Method 8081B
<b>ALUMINUM</b>	EPA Method 245.1	<b>POLYCHLORINATED BIPHENYLS (PCB's)</b>
EPA Method 200.7	SW846 Method 7470A	SW846 Method 8082A
SW846 Method 6010C	SW846 Method 7471B	<b>PURGEABLE ORGANICS</b>
<b>ANTIMONY</b>	<b>MOLYBDENUM</b>	EPA Method 624
EPA Method 200.7	EPA Method 200.7	SW846 Method 8260B
SW846 Method 6010C	SW846 Method 6010C	<b>BASE NEUTRAL/ACID ORGANICS</b>
<b>ARSENIC</b>	<b>NICKEL</b>	EPA Method 625
EPA Method 200.7	EPA Method 200.7	SW846 Method 8270D
SW846 Method 6010C	SW846 Method 6010C	<b>CHLORINATED ACID HERBICIDES</b>
<b>BARIUM</b>	<b>POTASSIUM</b>	SW846 Method 8151A
EPA Method 200.7	EPA Method 200.7	<b>TPH DIESEL RANGE ORGANICS</b>
SW846 Method 6010C	SW846 Method 6010C	SW846 Method 8015C
<b>BERYLLIUM</b>	<b>SELENIUM</b>	<b>TPH GASOLINE RANGE ORGANICS</b>
EPA Method 200.7	EPA Method 200.7	SW846 Method 8015C
SW846 Method 6010C	SW846 Method 6010C	<b>NONHALOGENATED VOLATILE</b>

This certification requires maintenance of an acceptable quality assurance program, use of approved methodology, and satisfactory performance on evaluation samples. Laboratories are subject to civil penalties and/or decertification for infractions as set forth in 15A NCAC 2H.0807.

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**CERTIFIED PARAMETERS**

**ORGANICS**

SW846 Method 8015C

**1,2, DIBROMOETHANE (EDB)**

EPA Method 504.1 (Includes DBCP &  
TCP)

SW846 Method 8011 (Includes DBCP)

**EXTRACTABLE PETROLEUM**

**HYDROCARBONS**

Massachusetts Method

**VOLATILE PETROLEUM**

**HYDROCARBONS**

Massachusetts Method

**TCLP ORGANICS**

SW846 Method 1311

**SPLP ORGANICS**

SW846 Method 1312