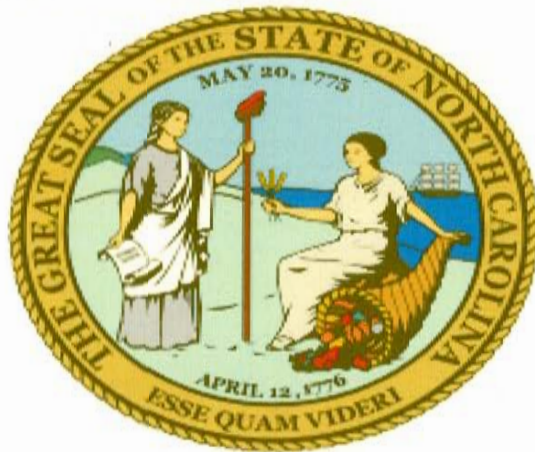


STATE OF NORTH CAROLINA DEPARTMENT OF THE  
ENVIRONMENT AND NATURAL RESOURCES

## 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:*



# 2010

### ENVIRONMENTAL CONSERVATION LABORATORIES, INC.

*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, 2010*

Certificate N

591

A handwritten signature in black ink that reads "Pat Donnelly". The signature is written in a cursive style.

Pat Donnelly

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

Lab Name: Environmental Conservation Laboratories, Inc.  
Address: 102 Woodwinds Industrial Ct. Ste. A  
Cary, NC 27511-6204

Certificate Number: 591  
Effective Date: 01/01/2010  
Expiration Date: 12/31/2010  
Date of Last Amendment: 04/16/2010

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>NITRITE NITROGEN</b>	SW846 Method 6010C
<b>ALKALINITY</b>	Std Method 4500 NO2 B	SW846 Method 6020A
Std Method 2320B	EPA Method 300	<b>BARIUM</b>
EPA Method 310.2	SW846 Method 9056A	EPA Method 200.7
<b>BOD</b>	EPA Method 353.2	EPA Method 200.8
Std Method 5210B	<b>TOTAL PHOSPHORUS</b>	SW846 Method 6010C
<b>COD</b>	EPA Method 365.4	SW846 Method 6020A
Std Method 5220D	<b>ORTHOPHOSPHATE</b>	<b>BERYLLIUM</b>
EPA Method 410.4	SW846 Method 9056A	EPA Method 200.7
<b>CHLORIDE</b>	pH	EPA Method 200.8
Std Method 4500 Cl E	Std Method 4500 H B	SW846 Method 6010C
EPA Method 300	SW846 Method 9040C	SW846 Method 6020A
SW846 Method 9056A	SW846 Method 9045D	<b>BORON</b>
<b>COLIFORM FECAL</b>	<b>RESIDUE SETTLEABLE</b>	EPA Method 200.7
Std Method 9222D (MF)	Std Method 2540F	SW846 Method 6010C
<b>COLIFORM TOTAL</b>	<b>RESIDUE TOTAL</b>	<b>CADMIUM</b>
Std Method 9222B (MF)	Std Method 2540B	EPA Method 200.7
<b>COLOR PC</b>	<b>RESIDUE DISSOLVED 180 C</b>	EPA Method 200.8
Std Method 2120B (PtCo)	Std Method 2540C	SW846 Method 6010C
<b>CONDUCTIVITY</b>	<b>RESIDUE SUSPENDED</b>	SW846 Method 6020A
Std Method 2510B	Std Method 2540D	<b>CALCIUM</b>
EPA Method 120.1	<b>VOLATILE RESIDUE</b>	EPA Method 200.7
<b>CYANIDE TOTAL</b>	EPA Method 160.4	EPA Method 200.8
Std Method 4500 CN E	<b>SULFATE</b>	SW846 Method 6010C
EPA Method 335.4	EPA Method 300	SW846 Method 6020A
SW846 Method 9014	SW846 Method 9056A	<b>CHROMIUM TOTAL</b>
<b>DISSOLVED OXYGEN</b>	<b>SULFIDE</b>	EPA Method 200.7
Std Method 4500 O G	Std Method 4500 S D	EPA Method 200.8
<b>FLUORIDE</b>	Hach Method 8131	SW846 Method 6010C
Std Method 4500 F C	<b>TEMPERATURE</b>	SW846 Method 6020A
EPA Method 300	Std Method 2550B	<b>COBALT</b>
SW846 Method 9056A	<b>TURBIDITY</b>	EPA Method 200.7
<b>MBAS</b>	Std Method 2130B	EPA Method 200.8
Std Method 5540C	EPA Method 180.1	SW846 Method 6010C
<b>AMMONIA NITROGEN</b>	<b>METALS</b>	SW846 Method 6020A
Std Method 4500 NH3 F	<b>ALUMINUM</b>	<b>COPPER</b>
EPA Method 350.1	EPA Method 200.7	EPA Method 200.7
<b>TOTAL KJELDAHL NITROGEN</b>	EPA Method 200.8	EPA Method 200.8
EPA Method 351.2	SW846 Method 6010C	SW846 Method 6010C
<b>NO2 + NO3 NITROGEN</b>	SW846 Method 6020A	SW846 Method 6020A
Std Method 4500 NO3 F	<b>ANTIMONY</b>	<b>IRON</b>
EPA Method 353.2	EPA Method 200.7	EPA Method 200.7
SW846 Method 9056A	EPA Method 200.8	SW846 Method 6010C
<b>NITRATE NITROGEN</b>	SW846 Method 6010C	SW846 Method 6020A
EPA Method 353.2	SW846 Method 6020A	EPA Method 200.8
SW846 Method 9056A	<b>ARSENIC</b>	<b>LEAD</b>
EPA Method 300	EPA Method 200.7	EPA Method 200.7
	EPA Method 200.8	EPA Method 200.8

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

Lab Name:	Environmental Conservation Laboratories, Inc.	Certificate Number:	591
Address:	102 Woodwinds Industrial Ct. Ste. A	Effective Date:	01/01/2010
	Cary, NC 27511-6204	Expiration Date:	12/31/2010
		Date of Last Amendment:	04/16/2010

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**

SW846 Method 6010C	STRONTIUM	1,2, DIBROMOETHANE (EDB)
SW846 Method 6020A	EPA Method 200.7	EPA Method 504.1 (Includes DBCP & TCP)
<b>MAGNESIUM</b>	SW846 Method 6010C	SW846 Method 8011 (Includes DBCP)
EPA Method 200.7	<b>THALLIUM</b>	<b>EXTRACTABLE PETROLEUM HYDROCARBONS</b>
EPA Method 200.8	EPA Method 200.7	Massachusetts Method
SW846 Method 6010C	EPA Method 200.8	<b>VOLATILE PETROLEUM HYDROCARBONS</b>
SW846 Method 6020A	SW846 Method 6010C	Massachusetts Method
<b>MANGANESE</b>	SW846 Method 6020A	
EPA Method 200.7	<b>TIN</b>	
EPA Method 200.8	EPA Method 200.7	
SW846 Method 6010C	SW846 Method 6010C	
SW846 Method 6020A	<b>TITANIUM</b>	
<b>MERCURY</b>	EPA Method 200.7	
EPA Method 245.1	SW846 Method 6010C	
SW846 Method 7470A	SW846 Method 6020A	
SW846 Method 7471B	<b>VANADIUM</b>	
EPA Method 245.5	EPA Method 200.7	
<b>MOLYBDENUM</b>	EPA Method 200.8	
EPA Method 200.7	SW846 Method 6010C	
EPA Method 200.8	SW846 Method 6020A	
SW846 Method 6010C	<b>ZINC</b>	
SW846 Method 6020A	EPA Method 200.7	
<b>NICKEL</b>	EPA Method 200.8	
EPA Method 200.7	SW846 Method 6010C	
EPA Method 200.8	SW846 Method 6020A	
SW846 Method 6010C	<b>TCLP METALS</b>	
SW846 Method 6020A	SW846 Method 1311	
<b>POTASSIUM</b>	<b>SPLP METALS</b>	
EPA Method 200.7	SW846 Method 1312	
SW846 Method 6010C	<b>ORGANICS</b>	
EPA Method 200.8	<b>ORGANOCHLORINE PESTICIDES &amp; PCBs</b>	
SW846 Method 6020A	EPA Method 608	
<b>SELENIUM</b>	<b>ORGANOCHLORINE PESTICIDES</b>	
EPA Method 200.7	SW846 Method 8081B	
EPA Method 200.8	<b>POLYCHLORINATED BIPHENYLS (PCB's)</b>	
SW846 Method 6010C	SW846 Method 8082A	
SW846 Method 6020A	<b>PURGEABLE ORGANICS</b>	
<b>SILVER</b>	EPA Method 624	
EPA Method 200.7	SW846 Method 8260B	
EPA Method 200.8	Std Method 6200B	
SW846 Method 6010C	<b>BASE NEUTRAL/ACID ORGANICS</b>	
SW846 Method 6020A	EPA Method 625	
<b>SODIUM</b>	SW846 Method 8270D	
EPA Method 200.7	<b>TPH DIESEL RANGE ORGANICS</b>	
SW846 Method 6010C	SW846 Method 8015C	
EPA Method 200.8	<b>TPH GASOLINE RANGE ORGANICS</b>	
SW846 Method 6020A	SW846 Method 8015C	

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.