



STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

PO Box 488 • Manchester, WA 98353-0488 • (360) 871-8840

April 09, 2014

Ms .Elisa Nguyen  
Energy Northwest Environmental Services Lab  
350 Hills Street, Ste 107  
Richland, WA 99354

Dear Ms. Nguyen:

Thank you for your application for renewal in the Environmental Laboratory Accreditation Program. Enclosed are your Lab's current Scope of Accreditation and a new Certificate of Accreditation covering the one-year period beginning April 12, 2014. Please review your new Scope carefully to ensure that it meets the needs of your Laboratory.

Congratulations on your excellent work! Based on PT Study results submitted since your last renewal, full accreditation is warranted for all applicable parameters.

As a reminder, continued participation in the Ecology Lab Accreditation Program requires the lab to:

- Submit a renewal application and fees annually
- Report significant changes in facility, personnel, analytical methods, equipment, the lab's quality assurance (QA) manual or QA procedures as they occur
- Participate in proficiency testing studies semi-annually, with the following exception: **For each parameter where all PT results were satisfactory, you are required to submit only one PT result over this next year, and in subsequent years, as long as the results are satisfactory.**

If you have any questions concerning the accreditation of your lab, please contact Rosana Santos at (360) 871-8843, fax (360) 871-8849, or by e-mail at [rosana.santos@ecy.wa.gov](mailto:rosana.santos@ecy.wa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Alan D. Rue".

Alan D. Rue  
Lab Accreditation Unit Supervisor

AR:RS:rs  
Enclosures

The State of  
Department



Washington  
of Ecology

**Energy Northwest Environmental Services Lab  
Richland, WA**

has complied with provisions set forth in Chapter 173-50 WAC and is hereby recognized by the Department of Ecology as an ACCREDITED LABORATORY for the analytical parameters listed on the accompanying Scope of Accreditation. This certificate is effective April 12, 2014 and shall expire April 11, 2015.

Witnessed under my hand on April 8, 2014

Alan D. Rue  
Lab Accreditation Unit Supervisor

Laboratory ID  
**C866**

# WASHINGTON STATE DEPARTMENT OF ECOLOGY

## ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

### SCOPE OF ACCREDITATION

#### Energy Northwest Environmental Services Lab

#### Richland, WA

is accredited for the analytes listed below using the methods indicated. Full accreditation is granted unless stated otherwise in a note. Accreditation for U.S. Environmental Protection Agency (EPA) "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" (SW-846) is for the latest version of the method. SM refers to EPA approved editions of "Standard Methods for the Examination of Water and Wastewater." ASTM is the American Society for Testing and Materials. Other references are described in notes.

Matrix/Analyte	Method	Notes
<b>Drinking Water</b>		
Chloride	EPA 300.0_2.1_1993	
Fluoride	EPA 300.0_2.1_1993	
Nitrate	EPA 300.0_2.1_1993	
Nitrate + Nitrite	EPA 300.0_2.1_1993	
Nitrite	EPA 300.0_2.1_1993	
Sulfate	EPA 300.0_2.1_1993	
Total Organic Carbon	SM 5310 B-00	
Aluminum	EPA 200.8_5.4_1994	
Antimony	EPA 200.8_5.4_1994	
Arsenic	EPA 200.8_5.4_1994	
Barium	EPA 200.8_5.4_1994	
Beryllium	EPA 200.8_5.4_1994	
Cadmium	EPA 200.8_5.4_1994	
Chromium	EPA 200.8_5.4_1994	
Copper	EPA 200.8_5.4_1994	
Lead	EPA 200.8_5.4_1994	
Manganese	EPA 200.8_5.4_1994	
Nickel	EPA 200.8_5.4_1994	
Selenium	EPA 200.8_5.4_1994	
Silver	EPA 200.8_5.4_1994	
Thallium	EPA 200.8_5.4_1994	
Zinc	EPA 200.8_5.4_1994	

<b>Matrix/Analyte</b>	<b>Method</b>	<b>Notes</b>
<b>Non-Potable Water</b>		
Chloride	EPA 300.0_2.1_1993	
Fluoride	EPA 300.0_2.1_1993	
Nitrate	EPA 300.0_2.1_1993	
Nitrite	EPA 300.0_2.1_1993	
Sulfate	EPA 300.0_2.1_1993	
Chemical Oxygen Demand (COD)	EPA 410.4_2_1993	
Turbidity	SM 2130 B-01	
Alkalinity	SM 2320 B-97	
Specific Conductance	SM 2510 B-97	
Solids, Total Dissolved	SM 2540 C-97	
Solids, Total Suspended	SM 2540 D-97	
Chromium, Hexavalent	SM 3500-Cr B-09	
pH	SM 4500-H+ B-00	
Ammonia	SM 4500-NH3 D-97	
Orthophosphate	SM 4500-P E-99	
Phosphorus, Total	SM 4500-P E-99	
Total Organic Carbon	SM 5310 B-00	
Aluminum	EPA 200.8_5.4_1994	
Antimony	EPA 200.8_5.4_1994	
Arsenic	EPA 200.8_5.4_1994	
Barium	EPA 200.8_5.4_1994	
Beryllium	EPA 200.8_5.4_1994	
Boron	EPA 200.8_5.4_1994	
Cadmium	EPA 200.8_5.4_1994	
Calcium	EPA 200.8_5.4_1994	
Chromium	EPA 200.8_5.4_1994	
Cobalt	EPA 200.8_5.4_1994	
Copper	EPA 200.8_5.4_1994	
Iron	EPA 200.8_5.4_1994	
Lead	EPA 200.8_5.4_1994	
Magnesium	EPA 200.8_5.4_1994	
Manganese	EPA 200.8_5.4_1994	
Molybdenum	EPA 200.8_5.4_1994	
Nickel	EPA 200.8_5.4_1994	

Energy Northwest Environmental Services Lab

Matrix/Analyte	Method	Notes
Potassium	EPA 200.8_5.4_1994	
Selenium	EPA 200.8_5.4_1994	
Silver	EPA 200.8_5.4_1994	
Sodium	EPA 200.8_5.4_1994	
Thallium	EPA 200.8_5.4_1994	
Tin	EPA 200.8_5.4_1994	
Titanium	EPA 200.8_5.4_1994	
Vanadium	EPA 200.8_5.4_1994	
Zinc	EPA 200.8_5.4_1994	
Gross Alpha	SM 7110 B-00	
Gross Beta	SM 7110 B-00	
Cesium 137	SM 7120 B	
Cesium-134	SM 7120 B	
Gamma Emitters	SM 7120 B	
Tritium	SM 7500-3H B	
<b>Solid and Chemical Materials</b>		
Cesium 137	SM 7120 B	
Cesium-134	SM 7120 B	
Gamma Emitters	SM 7120 B	

**Accredited Parameter Note Detail**



04/09/2014

Authentication Signature  
Alan D. Rue, Lab Accreditation Unit Supervisor

Date