



STATE OF WASHINGTON  
**DEPARTMENT OF ECOLOGY**  
PO Box 488 • Manchester, WA 98353-0488 • (360) 871-8840

March 28, 2019

Brad Barfuss  
Energy Northwest Environmental Services Lab  
350 Hills Street Suite 107  
Richland, WA 99354

Dear Brad Barfuss:

Thank you for your application for renewal in the Environmental Laboratory Accreditation Program. Attached is a new Certificate of Accreditation covering the one-year period beginning April 12, 2019 and a current Scope of Accreditation.

Your requested addition for Total Kjeldahl Nitrogen by EPA Method 351.2 in Non-Potable Water is currently under review and will be processed under a separate scope revision.

**Two acceptable PT results will be required for the following parameter prior to your next renewal, to maintain accreditation in good standing, due to a previous PT failure:**

*Fluoride by EPA Method 300.0\_2.1\_1993, in Drinking Water*

Based on your laboratory's most recent PT Study results, 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 for the past accreditation year, 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 Rebecca Wood at (360) 871-8811, fax (360) 871-8849, or by e-mail at [rebecca.wood@ecy.wa.gov](mailto:rebecca.wood@ecy.wa.gov).

Sincerely,

Rebecca Wood  
Lab Accreditation Unit Supervisor

RW:RW:rw  
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, 2019 and shall expire April 11, 2020.

Witnessed under my hand on March 28, 2019

Rebecca Wood  
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. EPA is the U.S. Environmental Protection Agency. SM is "Standard Methods for the Examination of Water and Wastewater." SM refers to EPA approved method versions. ASTM is the American Society for Testing and Materials. USGS is the U.S. Geological Survey. AOAC is the Association of Official Analytical Chemists. Other references are described in notes.

Matrix/Analyte	Method	Notes
<b><i>Drinking Water</i></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-2011	
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	

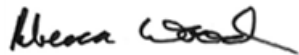
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<b>Matrix/Analyte</b>	<b>Method</b>	<b>Notes</b>
<b><i>Drinking Water</i></b>		
Zinc	EPA 200.8_5.4_1994	
<b><i>Non-Potable Water</i></b>		
Chloride	EPA 300.0_2.1_1993	
Fluoride	EPA 300.0_2.1_1993	
Nitrate	EPA 300.0_2.1_1993	
Nitrite	EPA 300.0_2.1_1993	
Sulfate	EPA 300.0_2.1_1993	
Chemical Oxygen Demand (COD)	EPA 410.4_2_1993	
Turbidity	SM 2130 B-2011	
Alkalinity	SM 2320 B-2011	
Specific Conductance	SM 2510 B-2011	
Solids, Total Dissolved	SM 2540 C-2011	
Solids, Total Suspended	SM 2540 D-2011	
Chromium, Hexavalent	SM 3500-Cr B-2011	
pH	SM 4500-H+ B-2011	
Ammonia	SM 4500-NH3 D-2011	
Orthophosphate	SM 4500-P E-2011	
Phosphorus, Total	SM 4500-P E-2011	
Total Organic Carbon	SM 5310 B-2011	
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	
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	

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Matrix/Analyte	Method	Notes
<b>Non-Potable Water</b>		
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	
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**



03/28/2019

Authentication Signature  
 Rebecca Wood, Lab Accreditation Unit Supervisor

Date