



STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

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

April 10, 2020

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, 2020 and a current Scope of Accreditation.

The following parameters have been added to your scope in good standing. In each case two acceptable PT results were submitted. The parameters were successfully assessed during the 2019 audit to confirm laboratory capability:

Nitrate- Nitrite by EPA Method 300.0\_2.1\_1993, in Non-Potable Water  
Nitrate-Nitrite by EPA Method 353.2\_2\_1993, in Drinking Water  
Nitrate by EPA Method 353.2\_2\_1993, in Drinking Water  
Nitrite by EPA Method 353.2\_2\_1993, in Drinking Water

The following parameter is in provisional status pending the submission of acceptable PT results, and an acceptable SOP:

Dissolved Oxygen by SM 4500-O-G-2011, in Non-Potable Water

The following parameter remains in provisional status pending the submission of an acceptable corrective action plan in response to audit findings:

Total Organic Carbon by SM 5310B-2011, in Drinking Water

The following parameters remain in provisional status pending an acceptable SOP:

Biochemical Oxygen Demand (BOD), by SM 5210B-2011, in Non-Potable Water  
Carbonaceous BOD (CBOD), by SM 5210B-2011, in Non-Potable Water

The following parameter remains in provisional status pending the submission of an acceptable response to the July 5, 2019 technical report:

Total Kjeldahl Nitrogen by EPA Method 351.2\_2\_1993, in Non-Potable Water

**The laboratory corrective action plan in response to the 2019 audit findings, is due May 6, 2020.**

Renewal of accreditation is based in part on review of your lab's performance over the past year as evidenced by participation in proficiency testing (PT) studies. In general, full accreditation is awarded for those parameters for which the two most recent PT results, if applicable, were rated satisfactory. Provisional accreditation is awarded if the latest of the two most recent PT results was rated "Not

Acceptable” or only one PT result was submitted during the past twelve months. Accreditation is withheld for those parameters for which the two most recent PT results were rated “Not Acceptable” or no PT results were submitted during the past twelve months.

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.**

### YOUR RIGHT TO APPEAL

You have a right to appeal Ecology’s decision to the Pollution Control Hearing Board (PCHB) within 30 days of the date of receipt of this decision letter. The appeal process is governed by Chapter 43.21B RCW and Chapter 371-08 WAC. “Date of receipt” is defined in RCW 43.21B.001(2).

To appeal you must do the following within 30 days of the date of receipt of this decision:

- File your appeal and a copy of this decision with the PCHB (see addresses below). Filing means actual receipt by the PCHB during regular business hours.
- Serve a copy of your appeal and this decision on Ecology in paper form - by mail or in person. (See addresses below.) E-mail is not accepted.

You must also comply with other applicable requirements in Chapter 43.21B RCW and Chapter 371-08 WAC.

### ADDRESS AND LOCATION INFORMATION

Street Addresses	Mailing Addresses
<p><b>Department of Ecology</b> Attn: Appeals Processing Desk 300 Desmond Drive SE Lacey, WA 98503</p> <p><b>Pollution Control Hearings Board</b> 1111 Israel Road SW STE 301 Tumwater, WA 98501</p>	<p><b>Department of Ecology</b> Attn: Appeals Processing Desk PO Box 47608 Olympia, WA 98504-7608</p> <p><b>Pollution Control Hearings Board</b> PO Box 40903 Olympia, WA 98504-0903</p>

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,

A handwritten signature in black ink that reads "Rebecca Wood". The signature is written in a cursive style with a long, sweeping tail on the "d".

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, 2020 and shall expire April 11, 2021.

Witnessed under my hand on April 10, 2020

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>Drinking Water</b>		
Bromide	EPA 300.0_2.1_1993	
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	
Nitrate	EPA 353.2_2_1993	
Nitrate + Nitrite	EPA 353.2_2_1993	
Nitrite	EPA 353.2_2_1993	
Solids, Total Dissolved	SM 2540 C-2011	
Solids, Total Suspended	SM 2540 D-2011	
Total Organic Carbon	SM 5310 B-2011	3
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	

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Matrix/Analyte	Method	Notes
<b>Drinking Water</b>		
Thallium	EPA 200.8_5.4_1994	
Zinc	EPA 200.8_5.4_1994	
<b>Non-Potable Water</b>		
Bromide	EPA 300.0_2.1_1993	
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	
Nitrogen, Total Kjeldahl	EPA 351.2_2_1993	2
Nitrate	EPA 353.2_2_1993	
Nitrate + Nitrite	EPA 353.2_2_1993	
Nitrite	EPA 353.2_2_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	
Dissolved Oxygen	SM 4500-O G-2011	1,4
Orthophosphate	SM 4500-P E-2011	
Phosphorus, Total	SM 4500-P E-2011	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2011	1
Carbonaceous BOD (CBOD)	SM 5210 B-2011	1
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	

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

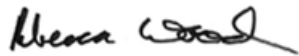
Energy Northwest Environmental Services Lab

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Matrix/Analyte	Method	Notes
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**Accredited Parameter Note Detail**

(1) Provisional accreditation pending the submission of an acceptable SOP. (2) Provisional accreditation pending submittal of an acceptable response to the technical report sent 7/5/2019.(3) Provisional accreditation pending submittal of an acceptable corrective action report to address audit findings.(4) Provisional accreditation pending submittal of acceptable Proficiency Testing (PT) results (WAC 173-50-110).



04/10/2020

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Authentication Signature

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Date

Rebecca Wood, Lab Accreditation Unit Supervisor