



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

July 12, 2024

Traci Williams
Energy Northwest Environmental Services Lab
350 Hills Street, Suite 107
Richland, WA 99354

Dear Traci Williams:

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, 2024 and a current Scope of Accreditation.

The following parameters have been upgraded from Provisional status to Good Standing due to the submission of two acceptable PT results since your last renewal:

Iron by EPA Method 200.8_5.4_1994, in Non-Potable Water

Magnesium by EPA Method 200.8_5.4_1994, in Non-Potable Water

The following parameter remains Provisional pending the submission of a corrective action report for previously failed PTs:

Calcium by EPA Method 200.8_5.4_1994, in Non-Potable Water

***Alkalinity by SM 2320 B-2011 in Drinking Water and Specific Conductance by SM 2510 B-2011 in Drinking Water* remain in Provisional status pending the submission and review of the following documents:**

- Initial Demonstration of Capability (IDCs) for each parameter in Drinking Water

The following parameter remains in Provisional status because only one acceptable PT result was submitted when two were required:

Cobalt by EPA Method 200.8_5.4_1994, in Non-Potable Water

The following requested additions are Denied pending the submission and review of additional documentation before accreditation can be granted:

- *Ammonia by SM 4500-NH3 G-2011 in Non-Potable Water*
Submit calibration data and bench sheets, and Initial Demonstration of Capability for Ammonia by SM 4500-NH3 G-2011.
- *Iron and Silica by EPA 200.7_4.4_1994 in Non-Potable Water*
- *Calcium, Iron, Magnesium, Potassium, Silica, and Sodium by EPA 200.7_4.4_1994 in Drinking Water*
- *Hardness, Calcium (as CaCO₃) and Hardness, Total (as CaCO₃) by EPA 200.7_4.4_1994 in Drinking Water*

Submit the following documentation for EPA 200.7 parameters:

- **Linear Range Study**
- **IEC study including summary table showing interference correction factors**
- **Data packages including analysis for PT Study WP348 and WS 330 with digestion log, analytical sequence Table, instrument raw data and calibration.**

Note: Generally we would list accreditation for hardness under SM 2340B-2011, not by EPA Method 200.7, when it is derived through calculation from Calcium and Magnesium concentrations.

The following parameter remains Denied because no acceptable PT results were submitted:

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

Calcium, Magnesium, and Sodium by EPA 200.8 are not approved for drinking water analysis and cannot be added to your scope of accreditation in the Drinking Water matrix.

The following parameters have been withdrawn at laboratory request:

Total Kjeldahl Nitrogen by EPA 351.2_2_1993 in Non-Potable Water

Nitrate by EPA 353.2_2_1993 in Non-Potable Water

Nitrate + Nitrite by EPA 353.2_2_1993 in Non-Potable Water

Nitrite by EPA 353.2_2_1993 in Non-Potable Water

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:

Department of Ecology

Attn: Appeals Processing Desk
300 Desmond Drive SE
Lacey, WA 98503

Pollution Control Hearings Board
1111 Israel RD SW
STE 301
Tumwater, WA 98501

Mailing Addresses:

Department of Ecology
Attn: Appeals Processing Desk
PO Box 47608
Olympia, WA 98504-7608

Pollution Control Hearings Board
PO Box 40903
Olympia, WA 98504-0903

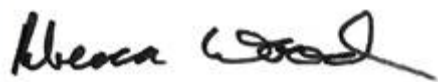
E-Mail Address:

Department of Ecology
Not currently available (see WAC 371-08)

Pollution Control Hearings Board
Pchb-shbappeals@eluh.wa.gov

If you have any questions concerning the accreditation of your lab, please contact Julia Dolan at (360) 871-8843, fax (360) 871-8849, or by e-mail at julia.dolan@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, 2024 and shall expire April 11, 2025.

Witnessed under my hand on July 19, 2024

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
Drinking Water		
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	
Alkalinity	SM 2320 B-2011	3,4
Specific Conductance	SM 2510 B-2011	3,4
Solids, Total Dissolved	SM 2540 C-2011	
Solids, Total Suspended	SM 2540 D-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	
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	
Thallium	EPA 200.8_5.4_1994	

Energy Northwest Environmental Services Lab

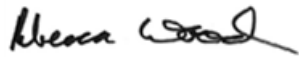
Matrix/Analyte	Method	Notes
Drinking Water		
Vanadium	EPA 200.8_5.4_1994	
Zinc	EPA 200.8_5.4_1994	
Non-Potable Water		
Bromide	EPA 300.0_2.1_1993	
Chloride	EPA 300.0_2.1_1993	
Fluoride	EPA 300.0_2.1_1993	
Nitrate	EPA 300.0_2.1_1993	
Nitrate + Nitrite	EPA 300.0_2.1_1993	
Nitrite	EPA 300.0_2.1_1993	
Sulfate	EPA 300.0_2.1_1993	
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	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2011	
Carbonaceous BOD (CBOD)	SM 5210 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	2
Chromium	EPA 200.8_5.4_1994	
Cobalt	EPA 200.8_5.4_1994	1
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	

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Matrix/Analyte	Method	Notes
Non-Potable Water		
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	

Accredited Parameter Note Detail

(1) Provisional accreditation pending submittal of acceptable Proficiency Testing (PT) results (WAC 173-50-110).
(2) Provisional accreditation pending submittal of acceptable corrective action report. (3) Interim accreditation pending the successful completion of an on-site audit to verify method capabilities (WAC 173-50-100). (4) Provisional accreditation pending submittal of acceptable supporting documents.



07/12/2024

Authentication Signature
Rebecca Wood, Lab Accreditation Unit Supervisor

Date