



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

April 21, 2023

Matt Turner
Energy Northwest Environmental Services Lab
350 Hills Street, Suite 107
Richland, WA 99354

Dear Matthew Turner:

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, 2023 and a current Scope of Accreditation.

The following parameter has been upgraded from denied to good standing due to the submission of two acceptable PT results since your last renewal:

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

The following parameter has been upgraded from provisional status to good standing due to the submission of two acceptable PT results since your last renewal:

Potassium by EPA Method 200.8_5.4_1994, in Drinking 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:

- Updated SOPs for each method
- MDLs for each analyte
- Raw Data and/or Bench Sheets of the parameters including calibration data
- IDCs for each parameter in Drinking Water

The following parameters have been placed 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

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

The following parameter has been placed in provisional status due to continued PT inconsistency first noted in the previous accreditation year:

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

The following parameters have been denied because no acceptable PT results were submitted:

Dissolved Oxygen by SM 4500-O G-2011, in Non-Potable Water
Bromide by EPA Method 300.0, in Non-Potable Water
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

The following parameters have been voluntarily withdrawn:

Total Organic Carbon by SM5310B-2011, in Drinking Water
Total Organic Carbon by SM5310B-2011, in Non-Potable Water
Total Residual Chlorine by SM 4500 Cl-G-2011, in Drinking 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@elaho.wa.gov

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.

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, 2023 and shall expire April 11, 2024.

Witnessed under my hand on April 21, 2023

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		
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	1
Lead	EPA 200.8_5.4_1994	
Magnesium	EPA 200.8_5.4_1994	1
Manganese	EPA 200.8_5.4_1994	
Molybdenum	EPA 200.8_5.4_1994	

Energy Northwest Environmental Services Lab

Matrix/Analyte	Method	Notes
Non-Potable Water		
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.



04/21/2023

Authentication Signature
Rebecca Wood, Lab Accreditation Unit Supervisor

Date