



WASHINGTON STATE DEPARTMENT OF ECOLOGY
ENVIRONMENTAL ASSESSMENT PROGRAM
LAB ACCREDITATION SECTION

APPLICATION FOR ENVIRONMENTAL LABORATORY ACCREDITATION

Reference: Chapter 173-50 WAC

SECTION 1 - General Information

1. Name of Lab

\_\_\_\_\_

2. Lab Mailing Address

\_\_\_\_\_

Number and street or PO Box

\_\_\_\_\_

City

State

ZIP

3. Location of Lab if different than mailing address

\_\_\_\_\_

Number and street, city, and state

4. Accreditation Point of Contact

\_\_\_\_\_

\_\_\_\_\_

Position

\_\_\_\_\_

Telephone number

FAX number

\_\_\_\_\_

E-mail address

5. Type of Accreditation Requested

Check all that apply

- Type Complete Sections
[ ] Direct Accreditation for the below matrices: 3, 6, and 7
[ ] Non Potable Water
[ ] Drinking Water
[ ] Solid & Chemical Materials
[ ] Air & Emissions
[ ] Recognition of Third Party Accreditation 3, 6, 7, and 8

This application reflects the changes to Chapter 173-50 WAC which were effective September 9, 2010. The amended rule is available on the internet. The address is http://www.ecy.wa.gov/biblio/wac17350.html. The Procedural Manual for the Environmental Laboratory Accreditation Program is also available at http://www.ecy.wa.gov/biblio/1003048.html.

If you need this document in a format for the visually impaired, call the Lab Accreditation Unit at (360) 895-6145. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.



## SECTION 5 – Fee Structure

There are two types of accreditation in the Department of Ecology’s Environmental Laboratory Accreditation Program.

- Direct accreditation
- Recognition of a third party accreditation/certification

<u>Accreditation Type</u>	<u>Fee Calculation Basis</u>
<b>Direct accreditation by Washington State Department of Ecology</b>	Direct Accreditation Fees per WAC 173-50-190
<b>Recognition of a third party accreditation/certification</b>	75% of Direct Accreditation Fees

### Fee Calculation

After we review your application materials and prepare your Certificate and Scope of Accreditation, we will calculate your fees and send an invoice to you. Payment is requested within 30 days after receipt of invoice.

Thank you!

**SECTION 6 – Parameter Listing**

*Directions for Requesting Accreditation for Specific Parameters*

The following instructions apply to each of the eight categories:  
**General Chemistry, Trace Metals, Organics I, Organics II, Radioactivity, Microbiology, Immunoassay, and Physical**

1. Check the column to the left of each analyte the lab wants to request.
2. Accreditation is **not currently** offered for analyte/method/matrix combinations where matrix column is shaded.
3. Write any analyte that is **not** listed in the blank lines at the end of the category
4. Write the requested method(s) in the appropriate matrix column or columns. If the lab requests recognition of Third Party Accreditation/Certification for a parameter, enter an asterisk (\*) in the “\*” column. If the lab is requesting recognition of more than one third party accreditation/certification, refer to page 22.
5. All SW-846 methods **MUST BE** requested under “Solid & Chemical Material.” This category includes analyses for liquids covered by the SW-846 methods.

**General Chemistry**

√	Analyte	Drinking Water		Non Potable Water		Solid & Chemical Material		Air & Emissions	
		Method(s)	*	Method(s)	*	Method(s)	*	Method(s)	*
	Acidity								
	Alkalinity								
	Ammonia								
	Anionic Surfactants/Foaming Agents (MBAS)								
	Asbestos								
	Biochemical Oxygen Demand (BOD) & Carbonaceous BOD								
	Bromide								
	Calcium <i>See Note 1</i>								
	Chemical Oxygen Demand (COD)								
	Chloride								
	Chlorine Dioxide								
	Chlorine, Free								
	Chlorine, Total Residual								
	Color								
	Cyanide, Total								
	Cyanide, Weak Acid Dissociable								
	Cyanide, Amenable to Chlorination								
	Dissolved Oxygen								
	Fluoride								
	Hardness, Total <i>See Note 1</i>								
	Hexane Extractable Material								
	Magnesium <i>See Note 1</i>								
	Nitrate								



**Trace Metals**

√	Analyte	Drinking Water		Non Potable Water		Solid & Chemical Material		Air & Emissions	
		Method(s)	*	Method(s)	*	Method(s)	*	Method(s)	*
	Aluminum								
	Antimony								
	Arsenic								
	Barium								
	Beryllium								
	Boron								
	Cadmium								
	Calcium								
	Chromium								
	Cobalt								
	Copper								
	Iron								
	Lead								
	Magnesium								
	Manganese								
	Mercury								
	Molybdenum								
	Nickel								
	Potassium								
	Selenium								
	Silica								
	Silver								
	Sodium								
	Strontium								
	Thallium								
	Thorium								
	Tin								
	Titanium								
	Vanadium								
	Zinc								

**Organics I – GC and HPLC (without MS Detection)**

**Group 1: Non Potable Water, Solid & Chemical Materials, and Air & Emissions**

- 1) The methods after the analytes are examples. Other methods can be requested.
- 2) Accreditation is **not currently** offered for analyte/method/matrix combinations where matrix column is shaded.
- 3) Reminder: **ALL** SW-846 methods **MUST BE REQUESTED ONLY** in Solid & Chemical Materials. This category includes analyses for liquids covered by the SW-846 methods.

√	Analytes	Non Potable Water		Solid & Chemical Materials		Air & Emissions	
		Method(s)	*	Methods(s)	*	Method(s)	*
	Purgeable Halocarbons (601)						
	Purgeable Aromatics (602)						
	BTEX (602)						
	Aromatic and Halogenated Volatiles (8021)						
	Aromatic Volatiles (8021)						
	Halogenated Volatiles (8021)						
	BTEX (8021)						
	Acrolein & Acrylonitrile (603;8316)						
	Phenols (604; 8041)						
	Benzidines (605)						
	Phthalate Esters (606; 8061)						
	Nitrosamines (607; 8070)						
	Organochlorine Pesticides (608; 8081)						
	PCBs (608; 8082)						
	Nitroaromatics & Isophorone (609; 8091)						
	Polycyclic Aromatic Hydrocarbons (PAHs) (610;8310)						
	Haloethers (611;8111)						
	Chlorinated Hydrocarbons (612; 8121)						
	Organophosphorus Pesticides (614; 8141)						
	Chlorinated Herbicides (615; 8151)						
	Triazine Pesticides (619)						
	Total Petroleum Hydrocarbons – NWTPH-Dx						
	Total Petroleum Hydrocarbons – NWTPH-Gx						
	Extractable Petroleum Hydrocarbons (EPH)						
	Volatile Petroleum Hydrocarbons (VPH)						
	EDP/DBCP (8011)						
	N-Methylcarbamates (632; 8318)						
	Nitroaromatics & Nitramines (8330)						

- Directions for this Section:** (1) Method: check the “√” column to indicate which methods are requested  
 (2) Analyte: for methods with multiple analytes, check the box or boxes to the left of the analyte to indicate specific analytes

**Group 2: Drinking Water**

√	Method	Analyte	*
_____	EPA 502.2	<i>Volatile Organic Compounds</i> <input type="checkbox"/> Regulated VOCs <input type="checkbox"/> Unregulated VOCs <input type="checkbox"/> Vinyl Chloride <input type="checkbox"/> Volatile Organic Compounds <input type="checkbox"/> Trihalomethanes	_____
_____	EPA 504.1	EDB/DBCP/TCP	_____
_____	EPA 505	<i>Organohalide Pesticides &amp; PCBs</i> <input type="checkbox"/> Organohalide Pesticides/PCBs <input type="checkbox"/> Organohalide Pesticides <input type="checkbox"/> PCBs	_____
_____	EPA 506	Phthalate/Adipate Esters	_____
_____	EPA 507	Nitrogen & Phosphorus Containing Pesticides	_____
_____	EPA 508	<i>Chlorinated Pesticides</i> <input type="checkbox"/> Chlorinated Pesticides/PCBs <input type="checkbox"/> Chlorinated Pesticides <input type="checkbox"/> PCBs <input type="checkbox"/> Chlordane <input type="checkbox"/> Toxaphene	_____
_____	EPA 508A	PCB Screening	_____
_____	EPA 508.1	Chlorinated Pesticides, Herbicides, and Organohalides	_____
_____	EPA 515.1	Chlorinated Acid	_____
_____	EPA 515.2	Chlorinated Acid	_____
_____	EPA 515.3	Chlorinated Acid	_____
_____	EPA 531.1	<i>N-Methylcarbamoyloximes/ates</i> <input type="checkbox"/> Carbamates/Oximes <input type="checkbox"/> N-Methylcarbamates	_____
_____	EPA 547	Glyphosate	_____
_____	EPA 549.1	Diquat & Paraquat	_____
_____	EPA 549.2	Diquat & Paraquat	_____
_____	EPA 551.1	<i>Chlorination Disinfection Byproducts</i> <input type="checkbox"/> Chlorination Disinfection Byproducts <input type="checkbox"/> EDB/DBCP/TCP <input type="checkbox"/> Halogenated Pesticides & Herbicides <input type="checkbox"/> Chlorinated Solvents <input type="checkbox"/> Haloacetonitriles <input type="checkbox"/> Trihalomethanes	_____
_____	EPA 552.1	<i>Dalapon &amp; Haloacetic Acids (LSE/GC/ECD)</i> <input type="checkbox"/> Haloacetic Acids & Dalapon <input type="checkbox"/> Haloacetic Acids <input type="checkbox"/> Dalapon	_____
_____	EPA 552.2	<i>Haloacetic Acids &amp; Dalapon (LLE/GC/ECD)</i> <input type="checkbox"/> Haloacetic Acids & Dalapon <input type="checkbox"/> Haloacetic Acids <input type="checkbox"/> Dalapon	_____
_____	EPA 555	Chlorinated Acids	_____

## Organics II – GC-MS & HPLC-MS

**Note:** The Organics II analytes are divided into three groups. Except for dioxin, the methods for Drinking Water analysis are unique and are in a separate table. If accreditation for the same dioxin method in Non Potable Water and Drinking Water is requested, enter the information in Group 2.

### Group 1: Non Potable Water, Solid & Chemical Materials, and Air & Emissions

- 1) The methods after the analytes are examples. Other methods can be requested.
- 2) Accreditation is **not currently** offered for analyte/method/matrix combinations where matrix column is shaded.
- 3) Reminder: **ALL** SW-846 methods **MUST BE REQUESTED ONLY** in Solid & Chemical Material. This category includes analyses for liquids covered by the SW-846 methods.

√	Analytes	Non Potable Water		Solid & Chemical Materials		Air & Emissions	
		Method(s)	*	Methods(s)	*	Method(s)	*
	Purgeable (Volatile) Organics (624; 8260)						
	BNA Extr (Semivolatile) Organics (625; 8270)						
	Methamphetamine (8270)						
	PCDD & PCDF by HRGC/LRMS (8280)						
	PCDD & PCDF by HRGC/HRMS (8290)						
	Total Petroleum Hydrocarbons (NWTPH-Gx)						

### Group 2: Dioxin in Non Potable Water and Drinking Water

√	Analytes	Non Potable Water		Drinking Water	
		Method(s)	*	Methods(s)	*
	PCDDs/PCDFs in Non Potable Water - EPA 1613 <i>and/or</i> 2,3,7,8- TCDD in Drinking Water - EPA 1613 <i>If the analyses are requested in Non Potable Water <u>AND</u> Drinking Water, the fee is charged only once.</i>				

### Group 3: Drinking Water Only

**Directions for this Section:** (1) For methods with multiple analytes, check the box or boxes to the left of the analyte to indicate specific analytes

√	Method	Analytes	*
_____	EPA 524.2	<i>Purgeable Organic Compounds</i> <input type="checkbox"/> Purgeable Organic Compounds <input type="checkbox"/> Regulated VOCs <input type="checkbox"/> Unregulated VOCs <input type="checkbox"/> Trihalomethanes <input type="checkbox"/> Vinyl Chloride	_____
_____	EPA 525.2	<i>Organic Compounds</i> <input type="checkbox"/> Organic Compounds <input type="checkbox"/> Chlorinated Pesticides <input type="checkbox"/> Adipates/Phthalates <input type="checkbox"/> Benzo-alpha-pyrene <input type="checkbox"/> PCBs	_____
_____	EPA 548.1	Endothall	_____
_____			
_____			
_____			
_____			

## Microbiology

All method references are Standard Methods 20<sup>th</sup> Edition unless noted otherwise.

**For this section only:**

- 1) For each requested method, place an "X" or write "Yes" in the appropriate column or columns for Non Potable Water, Drinking Water, or Solid & Chemical Material.
- 2) Accreditation is **not currently** offered for analyte/method/matrix combinations where matrix column is shaded.
- 3) If requesting recognition of Third Party Accreditation, place an "\*" the "**Third Party Accreditation**" column to indicate.
- 4) **Reminder:** If the same analyte/method is requested in Drinking Water and Non-potable Water, a fee is charged **only once**.

**Coliform (Total and Fecal) and E.coli: Detection and Enumeration Methods**

Analyte	Method Description(s)	Method Reference #	Drinking Water	Non Potable Water	Solid & Chemical Material	Third Party Accreditation		
						DW	NP	S
Total & Fecal Coliform Detection	MTF-LTB/BGB & EC Broth	SM 9221B1,2 and E1						
	SVF-PA Broth & EC Broth	SM 9221D1,2 and E1						
	MF-Endo/BGB and EC Broth	SM 9222B2,5 and 9221E1						
Total Coliform & E.coli Detection	MTF-LTB/BGB & EC Mug	SM 9221B1,2 and F						
	SVF-PA Broth & EC Mug	SM 9221D1,2 and F						
	MF-Endo/BGB & EC Mug	SM 9222B2,5 and 9221F						
	MF-Endo/BGB & NA Mug	SM 9222B2,5 and G1c1						
	MF-Endo/BGB & EC Mug	SM 9222B2,5 and G1c2						
	MF-MI Agar	EPA 1604						
	MF-mColiBlue	Hach mColiBlue						
	MF-Chromocult Agar	EM Science Chromocult						
	Enzyme Substrate-Colilert	SM 9223B						
	Enzyme Substrate-Colisure	SM 9223B						
	Enzyme Substrate-Ecolite	Hach Ecolite						
Enzyme Substrate-ReadyCult	EM Science-ReadyCult							
Total & Fecal Coliform Enumeration	MTF serial dilution (LTB/BGB & EC Broth)	SM 9221B1,2, C and E1						
	MF-Endo/BGB and EC Broth	SM 9222B2,5,6 and 9221E1						
Total Coliform & E.coli Enumeration	MTF serial dilution (LTB/BGB & EC Mug)	SM 9221B1,2, C and F						
	MF-Endo/BGB & EC Mug	SM 9222B2,5,6 and 9221F						
	MF-Endo/BGB & NA Mug	SM 9222B2,5,6 and G1c1						
	MF-MI Agar	EPA 1604						
	MF-mColiBlue	Hach mColiBlue						
	MF-Chromocult Agar	EM Science Chromocult						
	Enzyme Substrate-Colilert	SM 9223B						
	Enzyme Substrate-Colisure	SM 9223B						
Enzyme Substrate-ReadyCult	EM Science-ReadyCult							

Analyte	Method Description(s)	Method Reference #	Drinking Water	Non Potable Water	Solid & Chemical Material	Third Party Accreditation		
						DW	NP	S
Fecal Coliform ONLY Enumeration	MTF serial dilution A-1	SM 9221E2						
	MTF-serial dilution (LTB&EC)	SM 9221B1,2, C and E1						
	MF-mFC	SM 9222D						
	MF-Endo 2 step enrichment	EPA 9132						
	MF (Endo/CO&ONPG/multi test)	SM 9222B2,5,6						
Fecal Coliform & E.coli Enumeration	MF-mFC/NA Mug	SM 9222D & G1c1						
E.coli ONLY Enumeration	MF-mTEC/Urea	SM 9213D						
	MF-modified mTEC	EPA 821/R-97/004						

**Other Methods**

Analyte	Method Description(s)	Method Reference #	Drinking Water	Non Potable Water	Solid & Chemical Material	Third Party Accreditation		
						DW	NP	S
Fecal Strep/Enterococcus WW/sediments	MTF-Azide Dextrose/PSE/NaCl 6.5%	SM 9230B						
	MF-mE/EIA substrate	SM 9230C2ab,3,4,&5						
Fecal Strep/Enterococcus Recreational water	MF-mEnterococcus	SM 9230C2c,3,4,5,6						
	MF-mEI	EPA 1600						
	MF	Dufour 1980						
Enterococcus	Enterolert	Enterolert						
Heterotrophic Bacteria	HPC-Pour Plate	SM 9215B						
	HPC-Spread Plate	SM 9215C						
	HPC-MF	SM 9215D						
	SimPlate	Simplate						
Klebsiella	MF-mFCIC Agar	SM 9222F2a3						
	MF-mKleb Agar	SM 9222F2b3						
Pseudomonas Aeruginosa	MF mPA	SM 9213E						
	MTF-Asparagine Broth	SM 9213F						
Salmonella Detection	Concentrate/enrich/select/ID	SM 9260B1a,b,c,or d, 2,3,and 4						
	DFA	SM 9260C						
Salmonella Enumeration	MF/MPN	SM 9260B1d and D						
	MF/MPN	Kenner 1974						



**Bioassay/Toxicity in Non Potable Water**

√	Determinations	Methods
<b>Acute Methods – EPA-821-R-02-012</b>		
	Water flea – <i>Daphnia pulex</i>	EPA 2021.0
	Water flea – <i>Daphnia magna</i>	EPA 2021.0
	Water flea – <i>Ceriodaphnia dubia</i>	EPA 2002.0
	Fathead minnow – <i>Pimephales promelas</i>	EPA 2000.0
	Rainbow trout – <i>Oncorhynchus mykiss</i>	EPA 2019.0
	Brook trout – <i>Salvelinus fontinalis</i> .	EPA 2019.0
	Sheepshead minnow – <i>Cyprinodon variegates</i>	EPA 2004.0
	Inland silverside – <i>Menidia</i> spp.	EPA 2006.0
	Atlantic mysid – <i>Mysidopsis bahia</i>	EPA 2007.0
	Pacific mysid – <i>Holmesimysis costata</i>	EPA-821-R-02-012
<b>Chronic Freshwater Methods – EPA-821-R-02-013</b>		
	Fathead minnow – <i>Pimephales promelas</i>	EPA 1000.0
	Fathead minnow – <i>Pimephales promelas</i> Teratogenicity	EPA 1001.0
	Water flea – <i>Ceriodaphnia dubia</i>	EPA 1002.0
	Green alga – <i>Selenastrum capricornutum</i> .	EPA 1003.0
<b>Chronic Saltwater Methods – EPA-821-R-02-014</b>		
	Sheepshead – <i>Cyprinodon variegatus</i>	EPA 1004.0
	Inland silverside – <i>Menidia beryllina</i>	EPA 1006.0
	Atlantic mysid – <i>Mysidopsis bahia</i>	EPA 1007.0
	Sea urchin fertilization – <i>Arbacia punctulata</i>	EPA 1008.0
<b>West Coast Methods – EPA/600/R-95/136</b>		
	Pacific oyster – <i>Crassostrea gigas</i>	EPA 1005.0
	Mussels – <i>Mytilus</i> spp.	EPA 1005.0
	Top smelt – <i>Atherinops affinis</i>	EPA 1006.0
	Pacific mysid – <i>Holmesimysis costata</i>	EPA 1007.0
	Echinoderms – <i>Strongylocentrotus purpuratus</i>	EPA 1008.0
	Echinoderms – <i>Dendraster excentricus</i>	EPA 1008.0
	Giant kelp – <i>Macrocystis pyrifera</i>	EPA 1009.0
	Red Abalone – <i>Haliotis rufescens</i>	EPA/600/R-95/136
	Sea Urchin Embryo Larval Development – <i>S. purpuratus</i>	EPA/600/R-95/136
<b>Marine Sediment Methods – EPA 600/R-94/025</b>		
	Marine Amphipods – (list species)	EPA 100.4
<b>Freshwater Sediment Methods – EPA 600/R-99/064</b>		
	<i>Hyalella azteca</i> – 10-d Survival & Growth	EPA 100.1
	<i>Chironomus tentans</i> – 10-d Survival & Growth	EPA 100.2
	<i>Lumbriculus variegates</i> – Bioaccumulation	EPA 100.3
	<i>Hyalella azteca</i> – 42-d Survival, Growth & Reproduction	EPA 100.4
	<i>Chironomus tentans</i> – Life Cycle	EPA 100.5

**Bioassay/Toxicity in Non Potable Water, continued**

√	Determinations	Methods
---	----------------	---------

**ASTM Methods**

	Bioconcentration, Fishes & Saltwater Bivalve Mollusks	ASTM E 1022
	Marine/estuarine Amphipods – (list species)	ASTM E 1367
	Echinoderm Embryos – (list species)	ASTM E 1563
	Bioaccumulation by Benthic Invertebrates– (list species)	ASTM E 1688
	Freshwater Invertebrates – (list species)	ASTM E 1706

**PSEP Methods**

	<i>Ampelisca abdita</i>	PSEP 1995
	<i>Eohaustorius estuarius</i>	PSEP 1995
	<i>Rhepoxynius abronius</i>	PSEP 1995
	<i>Crassostrea gigas</i>	PSEP 1995
	<i>Mytilus</i> spp.	PSEP 1995
	<i>Dendraster excentricus</i>	PSEP 1995
	<i>Strongylocentrotus</i> spp.	PSEP 1995
	<i>Neanthes arenaceodentata</i>	PSEP 1995
	Microtox™, Saline Sediment Extract	PSEP 1995

**WDOE and Other Methods Not Listed Above**

	Static Salmonid Dangerous Waste	WDOE 80-12 Part A
	Rat Oral Acute Dangerous Waste	WDOE 80-12 Part B

**Immunoassay**

**For this section only:**

(1) If requesting recognition of Third Party Accreditation, place an "\*" the "3rd Party" column to indicate.

√	Analyte	Non Potable Water		Solid & Chemical Material	
		Method(s)	3 <sup>rd</sup> Party	Method(s)	3 <sup>rd</sup> Party
	Pentachlorophenol				
	2,4-Dichlorophenoxyacetic Acid				
	PCBs				
	Petroleum Hydrocarbons				
	PAHs				
	Toxaphene				
	Chlorodane				
	DDT				
	TNT Explosives				
	RDX				

**Physical – Non Potable Water and Solid & Chemical Material**

√	Analyte	Non Potable Water		Solid & Chemical Material	
		Method(s)	3 <sup>rd</sup> Party	Method(s)	3 <sup>rd</sup> Party
	Ignitability, Pensky-Martin				
	Ignitability, Setaflash				
	Ignitability, Solids				
	Corrosivity				
	Corrosion				

**Fee Calculation**

After we review your application materials and prepare your Certificate and Scope of Accreditation, we will calculate your fees and send an invoice.

**SECTION 7 – Personnel and Equipment Data**

**Part A – Personnel Data**

Complete a copy of the following or a comparable substitute completed for each manager, supervisor, and other key personnel. Use additional sheets as necessary.

Name \_\_\_\_\_ Present Position \_\_\_\_\_

Supervisory Position \_\_\_\_\_ Date Hired \_\_\_\_\_  
(yes) (no)

**Major Duties** Be specific in terms of duties in analysis of parameters for which accreditation is requested.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Formal Education**

<u>Name of Academic Institution</u>	<u>Dates Attended</u>		<u>Major</u>	<u>Minor</u>	<u>Degree/Date</u>
	<u>From</u>	<u>To</u>			
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

**Special Courses.** Indicate any short courses, professional training sessions, etc., which prepared the employee for the major duties described above.

<u>Name of Course</u>	<u>Presented By</u>	<u>Dates Attended</u>	
		<u>From</u>	<u>To</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**Experience.** Previous analytical lab employers, most recent first. Add additional pages if necessary.

Employer \_\_\_\_\_ Position \_\_\_\_\_

Location \_\_\_\_\_ Dates Employed \_\_\_\_\_

Major Duties \_\_\_\_\_

Employer \_\_\_\_\_ Position \_\_\_\_\_

Location \_\_\_\_\_ Dates Employed \_\_\_\_\_

Major Duties \_\_\_\_\_

*Continued on next page*

**Part A – Personnel Data** - *Continued*

Fill in the following sheet or a substitute for all technical personnel in the lab. Use additional sheets as necessary.

Type Position	Name	Technical specialty	Date Hired	Summary of education/Experience (e.g., BS Chem 78, 12 yrs anal lab)
Lab Manager				
QA Coordinator				
Supervisors				
Professional/ Technical Staff				

**Part B – Equipment Data**

Indicate major items of analytical equipment present in the lab and used in the methods for which accreditation is requested. Use additional sheets as necessary to add items. Equipment inventories providing essentially the same information may be substituted for the list below.

**CHEMISTRY**

<b><u>Type of Equipment</u></b>	<b><u>Manufacturer</u></b>	<b><u>Model No.</u></b>	<b><u>Qty.</u></b>
Atomic Absorption Spectrophotometer			
Direct Aspiration	_____	_____	_____
Furnace	_____	_____	_____
Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES)	_____	_____	_____
ICP-Mass Spectrometer (ICP-MS)	_____	_____	_____
Gas Chromatographs - identify GC associated with each detector			
Flame Ionization Detector	_____	_____	_____
Electron Capture Detector	_____	_____	_____
Photoionization Detector	_____	_____	_____
Hall Detector	_____	_____	_____
Halide Specific Detector	_____	_____	_____
Nitrogen/Phosphorus Detector	_____	_____	_____
Flame Photometric Detector	_____	_____	_____
Other Detector (specify)	_____	_____	_____
GC/Mass Spectrometer	_____	_____	_____
Spectrophotometer			
UV-Visible	_____	_____	_____
IR	_____	_____	_____
Fourier Transform IR	_____	_____	_____
pH meter	_____	_____	_____
Turbidimeter	_____	_____	_____
Flame Photometer	_____	_____	_____
Proportional Counter	_____	_____	_____
Scintillation Counter	_____	_____	_____

**Part B – Equipment Data** - *Continued*

<u>Type of Equipment</u>	<u>Manufacturer</u>	<u>Model No.</u>	<u>Qty.</u>
High Performance Liquid Chromatograph (HPLC) with:			
Ultraviolet detector	_____	_____	_____
Fluorescence detector	_____	_____	_____
Other detector (specify)	_____	_____	_____
Mercury Analyzer	_____	_____	_____
Ion Chromatograph	_____	_____	_____
Spectrofluorometer	_____	_____	_____
X-Ray Diffraction Unit	_____	_____	_____
Microscope			
General Purpose	_____	_____	_____
Polarized Light	_____	_____	_____
Phase Contrast	_____	_____	_____
Scanning Electron	_____	_____	_____
Transmission Electron	_____	_____	_____
Other (specify)	_____	_____	_____
Analytical Balance	_____	_____	_____
Conductivity Meter	_____	_____	_____
Dissolved Oxygen Meter	_____	_____	_____

**MICROBIOLOGY**

<u>Type of Equipment</u>	<u>Manufacturer</u>	<u>Model No.</u>	<u>Qty.</u>
Incubators			
Air	_____	_____	_____
Water Bath	_____	_____	_____
Heat Block	_____	_____	_____
Sterilizers			
Autoclave	_____	_____	_____
Hot Air Oven	_____	_____	_____
Refrigerator	_____	_____	_____

**Part B – Equipment Data** - *Continued*

<u>Type of Equipment</u>	<u>Manufacturer</u>	<u>Model No.</u>	<u>Qty.</u>
Media Prep			
Analytical Balance	_____	_____	_____
Reference Weights	_____	_____	_____
pH meter	_____	_____	_____
Dispensing machine	_____	_____	_____
Thermometers			
NIST	_____	_____	_____
Mercury	_____	_____	_____
Alcohol	_____	_____	_____
Lab Pure Water System			
Still	_____	_____	_____
Deionizer			
Reverse Osmosis	_____	_____	_____
Carbon Adsorption	_____	_____	_____
Filtration/Ultra filtration	_____	_____	_____
UV	_____	_____	_____
Conductivity Meter	_____	_____	_____
Dishwasher	_____	_____	_____
Colony Counter	_____	_____	_____
Sampling/Testing Containers	_____	_____	_____
Membrane Filtration			
Manifold	_____	_____	_____
Funnels	_____	_____	_____
Filters	_____	_____	_____
Microscope	_____	_____	_____
UV Lamp for Enzyme Substrate Testing	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**SECTION 8 – Third Party Accreditation**

A laboratory applying for recognition of accreditation by a third party agreement **must**:

- Complete Sections 1, 3, 6, and Section 7.
- Submit copies of:
  - (1) the third party’s **accreditation/license/certificate**;
  - (2) the third party’s **scope of accreditation**;
  - (3) the third party’s most recent **on-site assessment report**;
  - (4) the lab’s **corrective action report** relative to the on-site assessment; and
  - (5) the most recent evaluation reports of **PT sample analysis results** for the applicable parameters.

If the laboratory applies for recognition of **more** than **one** third party agreement, clearly indicate in Section 6, Parameter Listing, which recognition applies to the individual parameters (analyte + method). An example of this is in the table below. Key for “\*” Column: F = Florida NELAP, C = US Army Corps of Engineers, and A = A2LA.

√	Analyte	Non Potable Water		Drinking Water		Solid & Chemical Material		Air & Emissions	
		Method(s)	*	Method(s)	*	Method(s)	*	Method(s)	*
√	Aluminum	200.7	F	3113B	F	6010	C		
√	Antimony	200.7	A	200.9	F	6020	C		
√	Arsenic	200.7	F	200.9	A	6010	C		

Submit the completed application to the Department of Ecology. See Section 4 on page 2 for the addresses.

**Name and Address of Accrediting Agency** \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_

**Point of Contact at Accrediting Agency** \_\_\_\_\_

( \_\_\_\_\_ ) \_\_\_\_\_  
 Telephone Number

**Effective Date of Accreditation** \_\_\_\_\_ **Expiration Date of Accreditation** \_\_\_\_\_

*Agreement of Applicant to Furnish Evidence of Continuing Accreditation by Third Party*

**I agree to furnish evidence of continuing accreditation/licensure/certification by the third party identified above for the entire period of accreditation by Department of Ecology, and I understand that failure to do so could result in revocation of Department of Ecology accreditation for the parameters/methods so recognized. If the third party accreditation is scheduled to expire before Ecology’s accreditation expires, I will provide evidence that the third party accreditation is renewed.**

\_\_\_\_\_  
 Signature of applicant or designated representative                      Position

\_\_\_\_\_  
 Date

NOTE: After review by the Laboratory Accreditation Section, the applicant will be notified if the third party accreditation will be recognized in the State of Washington for all requested parameters. If there are parameters not covered by the third party accreditation, the applicant will be advised and may submit an additional application for those parameters.