The State of Idaho has been granted primacy and the Bureau of Laboratories has been given Principal State Laboratory status by the U.S. Environmental Protection Agency, Region X. This status grants authority to the Bureau of Laboratories to administer a drinking water certification program and to certify laboratories within this State to analyze public drinking water under the "Safe Drinking Water Act of 1977 (SDWA)."

Laboratories should be aware that a number of regulations and policies are in effect in Idaho in addition to SDWA. These include the Idaho State Board of Health and Welfare regulations (IDAPA 16.02.13), the "Manual for the Certification of Laboratories Analyzing Drinking Water" (U.S. Environmental Protection Agency), Public Drinking Water Laboratory Reporting Requirements (IDEQ), and specific policies of the Certification Authority (Idaho Department of Health and Welfare, Bureau of Laboratories). Other materials are also referenced in the above materials to further clarify various aspects of laboratory certification. Laboratories that wish to provide testing services to Public Water Systems in Idaho must comply with the requirements of all pertinent sources. Laboratories must use the State of Idaho report format when reporting drinking water compliance results.

In order to become a Certified Drinking Water Testing Laboratory, a laboratory must apply for consideration to the Certification Officer at the Idaho Department of Health and Welfare, Bureau of Laboratories. Certification will only be granted if the application, requested supplemental information, and a facility on-site assessment all prove acceptable. This material is intended to act as an application packet to facilitate accurate assessments of a laboratory's qualifications to provide testing services in support of Drinking Water Compliance monitoring. Worksheets have been included to aid the laboratory in compiling the requested material. Usage of these worksheets is highly encouraged to expedite certification decisions. Submission of other supporting materials is acceptable, but reliance on formats other than those listed for assessing an application may delay certification decisions.

Sincerely,

Christopher Ball, Ph.D.
Drinking Water Laboratory Certification Authority
Idaho Department of Health and Welfare, Bureau of Laboratories

IDAHO DEPT. OF HEALTH AND WELFARE
Bureau of Laboratories

Application for
Certification of Laboratory to Perform Testing
Procedures on Public Drinking Water Supplies

For -

Name: _____

Address: _____

Authorized Representative: _____

Owner(s) of Record: (include entity, subsidiary information, major stockholders, etc.)

_____

Telephone Number: _____ Facsimile Number: _____

EPA Laboratory ID: _____ Application Type : ☐ New ☐ Renewal

E-mail Address (if applicable): _____

Please ensure the following items are enclosed in your application packet. Applications will not be processed unless all information is included in the application packet.

- ✓ Completed cover page (this page)
- ✓ Parameter request page
- ✓ Method Detection Limit Worksheet
- ✓ Personnel Qualifications Disclosure Worksheet
- ✓ Instrument Specifications Worksheet
- ✓ Laboratory Quality Assurance Plan (Manual)- identified with the year of submission {in electronic format if possible}.
- ✓ Acceptable Performance Evaluation Results for each method and analyte requested for certification (If not previously received by the Bureau of Laboratories directly from the PE Provider)

The above mentioned laboratory has hereby given notice of their intent to pursue Drinking Water Laboratory Certification in the State of Idaho. The above mentioned laboratory has compiled the necessary information as requested in this application packet and requests evaluation of the material and scheduling of an on-site facilities inspection. The laboratory agrees to abide by the requirements of the Safe Drinking Water Act (SDWA, 1977) and subsequent amendments, the Manual for the Certification of Laboratories Analyzing Drinking Water (U.S. EPA), data reporting requirements of the Idaho Department of Environmental Quality, and the laboratory certification policies of the Idaho Department of Health and Welfare, Bureau of Laboratories. Failure to comply with the requirements listed in any of these sources is grounds for denial or revocation of Drinking Water Certifications.

Signed: _____ Date: _____
(Authorized Representative)

PARAMETER REQUEST (Required to process application. Check each method you wish to receive certification for.)

Primary Inorganic Chemicals including Lead and Copper Rule

Contaminant	Method	EPA	ASTM	Standard M.	Other (Specify)
Antimony	ICP-MS	❑ 200.8			
	Hydride-AA		❑ D3697-92		
	AA-Platform	❑ 200.9			
	AA-Furnace			❑ 3113B	
Arsenic	ICP-MS	❑ 200.8			
	AA-Platform	❑ 200.9			
	AA-Furnace		❑ D2972-93C	❑ 3113B	
	Hydride-AA		❑ D2972-93B	❑ 3114B	
Asbestos	TEM	❑ 100.1			
	TEM	❑ 100.2			
Barium	ICP	❑ 200.7		❑ 3120B	
	ICP-MS	❑ 200.8			
	AA-Direct			❑ 3111D	
	AA-Furnace			❑ 3113B	
Beryllium	ICP	❑ 200.7		❑ 3120B	
	ICP-MS	❑ 200.8			
	AA-Platform	❑ 200.9			
	AA-Furnace		❑ D3645-93B	❑ 3113B	
Cadmium	ICP	❑ 200.7			
	ICP-MS	❑ 200.8			
	AA-Platform	❑ 200.9			
	AA-Furnace			❑ 3113B	
Chromium	ICP	❑ 200.7		❑ 3120B	
	ICP-MS	❑ 200.8			
	AA-Platform	❑ 200.9			
	AA-Furnace			❑ 3113B	
Copper	AA-Furnace		❑ D1688-90C	❑ 3113B	
	AA-Direct		❑ D1688-	❑ 3111B	
	ICP	❑ 200.7		❑ 3120B	
	ICP-MS	❑ 200.8			
	AA-Platform	❑ 200.9			
Cyanide	Man. Distillation followed by:		D2036-91A	4500-CN-C	
	Spec., Amenable		❑ D2036-91B	❑ 4500-CN-G	
	Spec.Manual		❑ D2036-	❑ 4500-CN-E	
	Semi-auto	❑ 335.4			
	Ion Sel. Elec.(ISE)			❑ 4500-CN-F	
Fluoride	Ion Chromatography	❑ 300.0	❑ D4327-91	❑ 4110B	
	Manual Distill. SPADNS			❑ 4500-F-B,D	
	Manual ISE		❑ D1179-93B	❑ 4500-F-C	
	Automated ISE				
	Auto. Alizarin			❑ 4500-F-E	
Lead	AA-Furnace		❑ D3559-	❑ 3113B	
	ICP-MS	❑ 200.8			
	AA-Platform	❑ 200.9			
Mercury	Manual Cold Vapor	❑ 245.1	❑ D3223-91	❑ 3112B	
	Auto. Cold Vapor	❑ 245.2			
	ICP-MS	❑ 200.8			

PARAMETER REQUEST (Continued)

Primary Inorganic Chemicals including Lead and Copper Rule

Contaminant	Method	EPA	ASTM	Standard M.	Other (Specify)
Nitrate	Ion Chromatography	❑ 300.0	❑ D4327-91	❑ 4110B	
	Auto Cd Reduction	❑ 353.2	❑ D3867-	❑ 4500-NO_3-F	
	Ion Selective Elec.			❑ 4500-NO_3-D	
	Man Cd Reduction		❑ D3867-90B	❑ 4500-NO_3-E	
Nitrite	Ion Chromatography	❑ 300.0	❑ D4327-91	❑ 4110B	
	Auto Cd Reduction	❑ 353.2	❑ D3867-	❑ 4500-NO_3-F	
	Man Cd Reduction		❑ D3867-90B	❑ 4500-NO_3-E	
	Spectrophotometric			❑ 4500-NO_2-B	
Selenium	Hydride-AA		❑ D3859-	❑ 3114B	
	ICP-MS	❑ 200.8			
	AA-Platform	❑ 200.9			
	AA-Furnace		❑ D3859-93B	❑ 3113B	
Thallium	ICP-MS	❑ 200.8			
	AA-Platform	❑ 200.9			
Turbidity	Nephelometric	❑ 180.1		❑ 2130B	

Disinfectants and Disinfection Byproducts

Contaminant	Method	EPA	ASTM	Standard M.	Other (Specify)
Bromate	Ion Chromatography	❑ 300.1			
Chlorite	Ion Chromatography	❑ 300.0	❑ 300.1		
Haloacetic Acids (HAA5)		❑ 552.1	❑ EPA 552.2	❑ 6251B	
Total Trihalomethanes (TTHMs)		❑ 502.2	❑ EPA 524.2	❑ EPA 551.1	

PARAMETER REQUEST (Continued)
Volatile Organic Compounds

Contaminant	**Method**		
Benzene	❑ 502.2	❑ 524.2	
Carbon tetrachloride	❑ 502.2	❑ 524.2	❑ 551.1
Chlorobenzene	❑ 502.2	❑ 524.2	
1,2-Dichlorobenzene	❑ 502.2	❑ 524.2	
1,4-Dichlorobenzene	❑ 502.2	❑ 524.2	
1,2-Dichloroethane	❑ 502.2	❑ 524.2	
cis-1,2-Dichloroethylene	❑ 502.2	❑ 524.2	
trans-1,2-Dichloroethylene	❑ 502.2	❑ 524.2	
Dichloromethane	❑ 502.2	❑ 524.2	
1,2-Dichloropropane	❑ 502.2	❑ 524.2	
Ethylbenzene	❑ 502.2	❑ 524.2	
Styrene	❑ 502.2	❑ 524.2	
Tetrachloroethylene	❑ 502.2	❑ 524.2	❑ 551.1
1,1,1-Trichloroethane	❑ 502.2	❑ 524.2	❑ 551.1
Trichloroethylene	❑ 502.2	❑ 524.2	❑ 551.1
Toluene	❑ 502.2	❑ 524.2	
1,2,4-Trichlorobenzene	❑ 502.2	❑ 524.2	
1,1-Dichloroethylene	❑ 502.2	❑ 524.2	
1,1,2-Trichloroethane	❑ 502.2	❑ 524.2	❑ 551.1
Vinyl chloride	❑ 502.2	❑ 524.2	
Xylenes (total)	❑ 502.2	❑ 524.2	

PARAMETER REQUEST (Continued)
Synthetic Organic Compounds

Contaminant	Method				
2,4-D	❑ 515.1	❑ 515.2	❑ 515.3	❑ 515.4	❑ 555
Alachlor	❑ 505	❑ 507	❑ 508.1	❑ 525.2	
Atrazine	❑ 505	❑ 507	❑ 508	❑ 508.1	❑ 525.2
Benzo(a)pyrene	❑ 525.2	❑ 550	❑ 550.1		
Carbofuran	❑ 531.1	❑ 531.2	❑ 6610		
Chlordane	❑ 505	❑ 508	❑ 508.1	❑ 525.2	
Dalapon	❑ 515.1	❑ 515.3	❑ 515.4	❑ 552.1	❑ 552.2
Di(2-ethylhexyl)adipate	❑ 506	❑ 525.2			
Di(2-ethylhexyl)phthalate	❑ 506	❑ 525.2			
Dibromochloropropane (DBCP)	❑ 504.1	❑ 551.1			
Dinoseb	❑ 515.1	❑ 515.2	❑ 515.3	❑ 515.4	❑ 555
Dioxin (2,3,7,8-TCDD)	❑ 1613				
Diquat	❑ 549.2				
Endothall	❑ 548.1				
Endrin	❑ 505	❑ 508	❑ 508.1	❑ 525.2	
Ethylene Dibromide (EDB)	❑ 504.1	❑ 551.1			
Glyphosate	❑ 547	❑ 6651			
Heptachlor	❑ 505	❑ 508	❑ 508.1	❑ 525.2	
Heptachlor Epoxide	❑ 505	❑ 508	❑ 508.1	❑ 525.2	
Hexachlorobenzene	❑ 505	❑ 508	❑ 508.1	❑ 525.2	
Hexachlorocyclopentadiene	❑ 505	❑ 508	❑ 508.1	❑ 525.2	
Lindane	❑ 505	❑ 508	❑ 508.1	❑ 525.2	
Methoxychlor	❑ 505	❑ 508	❑ 508.1	❑ 525.2	
Oxamyl	❑ 531.1	❑ 531.2	❑ 6610		
PCBs (as decachlorobiphenyl)	❑ 508A				
PCBs (screen only)	❑ 505	❑ 508	❑ 508.1	❑ 525.2	
Pentachlorophenol	❑ 515.1	❑ 515.2	❑ 515.3	❑ 515.4	❑ 525.2	❑ 555
Picloram	❑ 515.1	❑ 515.2	❑ 515.3	❑ 515.4	❑ 555
Simazine	❑ 505	❑ 507	❑ 508.1	❑ 525.2	
2,4,5-TP (Silvex)	❑ 515.1	❑ 515.2	❑ 515.3	❑ 515.4	❑ 555
Toxaphene	❑ 505	❑ 508	❑ 508.1	❑ 525.2	

Radionuclides (specify each method you wish to receive certification for.)

Contaminant	Method	
Gross Alpha	❑	❑
Gross Beta	❑	❑
Radium 226	❑	❑
Radium 228	❑	❑
Uranium	❑	❑

METHOD DETECTION LIMIT WORKSHEET
(Make additional copies if multiple methods are employed for any analytes)

Inorganics	Method	Required Method Detection Limit (mg/l)*	MDL Required to Composite (mg/l)	Lab MDL (40CFR 136)	MDL Iterated? (Y / N)	Low Level Verification** (mg/l)
Antimony		0.006	0.001			
Arsenic		0.01	0.01			
Asbestos		7.00 MFL	1.40 MFL			
Barium		2.00	0.40			
Beryllium		0.0040	0.0008			
Bromate		0.010	NA			
Cadmium		0.005	0.001			
Chlorite		1.00	NA			
Chromium		0.10	0.02			
Copper		1.30	0.001 0.02 (for direct aspiration AA)			
Cyanide		0.20	0.04			
Fluoride		4.00	0.80			
Lead		0.015	0.001			
Mercury		0.0020	0.0004			
Nitrate		10.0	2.00			
Nitrite		1.00	0.20			
Selenium		0.05	0.01			
Thallium		0.0020	0.0004			

* The monitoring trigger for inorganics is the MCL except for nitrate and nitrite, which are ½ the MCL
** List level of standard used to iterate 40CFR 136 calculated MDL. If iteration was not performed, list the lowest calibration standard routinely analyzed or the concentration of the QA/QC sample used to verify the ability to quantify a low level detection.

METHOD DETECTION LIMIT WORKSHEET
(Make additional copies if multiple methods are employed for any analytes)

Volatile Organics	Method	Required MDL (µg/l) *	Lab MDL (40CFR 136) (µg/l)	40CFR 136 MDL Iterated? (Y / N)	Low Level Verification ** (µg/l)
Benzene		0.50			
Carbon tetrachloride		0.50			
Chlorobenzene		0.50			
o-Dichlorobenzene		0.50			
p-Dichlorobenzene		0.50			
1.2-Dichloroethane		0.50			
1,1-Dichloroethylene		0.50			
c-1,2-Dichloroethylene		0.50			
t-1,2-Dichloroethylene		0.50			
Dichloromethane		0.50			
1,2-Dichloropropane		0.50			
Ethylbenzene		0.50			
Styrene		0.50			
Tetrachloroethylene		0.50			
Toluene		0.50			
1,2,4-Trichlorobenzene		0.50			
1,1,1-Trichloroethane		0.50			
1,1,2-Trichloroethane		0.50			
Trichloroethylene		0.50			
Vinyl chloride		0.50			
Xylenes		0.50			
Trihalomethanes (Individually)		0.50			

* A laboratory must be able to achieve the MDL listed to be certified to analyze samples for compliance monitoring [§141.24(f)(17)(i)(E) and (ii)(C)]. This is also the monitoring trigger for VOCs [§141.24(f)(11)].

** List level of standard used to iterate 40CFR 136 calculated MDL. If iteration was not performed, list the lowest calibration standard routinely analyzed or the concentration of the QA/QC sample used to verify the ability to quantify a low level detection.

METHOD DETECTION LIMIT WORKSHEET
(Make additional copies if multiple methods are employed for any analytes)

SOCs	Method	MCL (µg/l)	Monitoring Trigger* (µg/l)	Lab MDL (40CFR 136) (µg/l)	MDL Iterated? (Y / N)	Low Level Verification** (µg/l)
Alachlor		2.00	0.44			
Atrazine		3.00	0.20			
Benzo(a)pyrene		0.20	0.044			
Carbofuran		40.0	1.98			
Chlordane		2.00	0.44			
2,4-D		70.0	0.22			
Di(2-ethylhexyl)adipate		400.0	1.32			
Di(2-ethylhexyl)phthalate		6.00	1.32			
Dibromochloropropane (DBCP)		0.20	0.044			
Dioxin (2,3,7,8-TCDD)		0.0003	0.000011			
Dalapon		200.0	2.20			
Dinoseb		7.00	0.44			
Diquat		20.0	0.88			
Endothall		100.0	19.8			
Endrin		2.00	0.022			
Ethylenedibromide (EDB)		0.05	0.022			
Glyphosate		700.0	13.2			
Heptachlor		0.40	0.088			
Heptachlor Epoxide		0.20	0.044			
Hexachlorobenzene		1.00	0.22			
Hexachlorocyclopentadiene		50.0	0.22			
Haloacidic Acids (HAA5)		60.0	NA			
Lindane		0.20	0.044			
Methoxychlor		40.0	0.22			
Oxamyl		200.0	4.40			
PCBs (as decachlorobiphenyl)		0.50	0.22			
Pentachlorophenol		1.00	0.088			
Picloram		500.0	0.22			
Simazine		4.00	0.154			
Toxaphene		3.00	2.20			
2,4,5-TP (Silvex)		50.0	0.44			

* The monitoring triggers for SOCs listed in the regulation are only required for compositing [§141.24(g)(7),(10)(i) and (18)].
** List level of standard used to iterate 40CFR 136 calculated MDL. If iteration was not performed, list the lowest calibration standard routinely analyzed or the concentration of the QA/QC sample used to verify the ability to quantify a low level detection.

PERSONNEL QUALIFICATIONS DISCLOSURE
(Resumes may not be substituted)

Position/ Title	Name	Education Level Degree/Major*	Years Experience in Drinking Water Testing
Laboratory Director			
Laboratory Manager			
Supervisor – Inorganic Chemistry			
Supervisor – Organic Chemistry			
Quality Assurance Officer			

Position/ Title	Name	Education Level Degree/Major*	Specialized Training Received (Relating to specialty)	Years Experience in Drinking Water Testing	Responsibilities (List tests)
Instrument Operators					
AA – Furnace or Direct Aspiration					
Inductively Coupled Plasma - AES					
Inductively Coupled Plasma – MS					
Ion Chromatograph					
Flow Injection / Segmented Flow Analyzer					
Gas Chromatograph					
Gas Chrom. / Mass Specific Detector					
High Performance Liquid Chromatograph					
Other analysts					

*If the major is not in chemistry, list hours of college level courses in chemistry.

INSTRUMENT SPECIFICATIONS
(Make additional Copies if necessary)

Instrument *	Manufacturer	Model Number	Date Manufactured	Tests performed on Instrument **

* Include all instruments used in performing drinking water analyses. This may include AA, ICP-AES, ICP-MS, GC-FID, GC-ECD, GC-NPD, GC-MS, GC-PID/ELCD, HPLC-PDA, HPLC-Fluorescence, IC, FIA, Analytical Balances, Digestion Instruments (microwaves, block digesters, etc.), Automated Extraction Devices (Auto-SPE, etc.)

** General categories may include: Metals Prep. (Digestion devices), Solids (Balances), Organic Prep. (Automated Extraction Devices), or EPA # (multiple analyte methods - organics), Metals by 200.7, Metals by 200.8, Metals by 200.9 or Periodic Table symbols are acceptable to itemize individual metals.