

APPLICATION FOR VIRGINIA CERTIFICATION SAFE DRINKING WATER PROGRAM

As stated in 1VAC30-41-50 "Incorporation by reference – EPA Guidance" of the *Department of General Services Certification of Laboratories Analyzing Drinking Water*, the EPA documents listed below are incorporated by reference into Virginia regulations.

- *The Manual for the Certification of Laboratories Analyzing Drinking Water*, Fifth Edition, EPA 815-R-05-004 (January 2005)
- *Supplement 1 to the Fifth Edition of the Manual for the Certification of Laboratories Analyzing Drinking Water*, EPA 815-F-08-006 (June 2008)

You may access it these at <http://water.epa.gov/scitech/drinkingwater/labcert/index.cfm#two>. You may order a copy from the National Technical Information Service at 800-553-6847 or www.ntis.gov. The NTIS order number is PB2005-104921.

The DCLS website (www.dgs.virginia.gov/dcls) has additional information including the "Protocol for the Certification of Laboratories Performing Microbiological and Chemical Analysis of Drinking Water under the Safe Drinking Water Program".

Check only those parameters on the application for which you currently have the necessary equipment and personnel to perform the analysis. Additional parameters may be added in the future; administrative fees may apply.

Please complete the application form, personnel form, and equipment form and return one copy of each to the address below. Additionally, please submit a copy of your laboratory's Quality Assurance Plan and SOPs for the test(s) for which certification is sought. An outline of the minimum items that must be addressed in the QA Plan may be found on page III-4, Chapter III, Section 11 "Laboratory Quality Assurance Plan" of the *Manual for the Certification of Laboratories Analyzing Drinking Water*.

The laboratory's initial certification status will be based on successful completion of proficiency test samples (PTs) and a successful on-site inspection. Note that PTs must be purchased from a provider approved by the American Association for Laboratory Accreditation utilizing the "National Standards for Water Proficiency Testing Studies."

In accordance with 1VAC30-41-270, DCLS will charge an annual fee for the on-site inspection, certification and monitoring laboratories, calculated by the following categories:

<u>Microbiology Testing</u>		<u>Inorganic Chemistry (non-metals) Testing</u>	
1-2 methods	\$600	1-2 methods	\$650
3-5 methods	\$700	3-5 methods	\$850
6 or more methods	\$800	6-8 methods	\$1050
		9 or more methods	\$1250
<u>Inorganic Chemistry (metals) Testing</u>		<u>Organic Chemistry Testing</u>	
1-2 methods	\$1000	1-2 methods	\$1050
3-5 methods	\$1200	3-5 methods	\$1250
6 or more methods	\$1400	6-8 methods	\$1450
		9 or more methods	\$1650
<u>Radiochemistry Testing</u>		<u>Asbestos Testing</u>	
1-2 methods	\$1100	1-2 methods	\$900
3-5 methods	\$1300	3-5 methods	\$1100
6 or more methods	\$1500	6 or more methods	\$1300

The annual certification period is from July 1 to June 30. The annual fee is not prorated and is payable to the Treasurer of Virginia.

Please use this checklist to be sure you are submitting the required completed application materials. (For modifications to a current certificate, contact the Certification Officer for an abbreviated list of required items.) Please also contact the Certification Officer for additional information about IDC, MDL, MRL, and/or MDA packages if needed.

FOR ALL APPLICATIONS:

- ___ Application Form
- ___ Fee Payment Form with Payment (DCLS form # DGS-35-232)

FOR VIRGINIA LABORATORIES:

- ___ Personnel List (DCLS form # DGS-35-009)
- ___ Quality Assurance Plan
- ___ PT report for each requested method/analyte pair (PTs may not be analyzed more than 12 months prior to application date.)
- ___ Laboratory SOP for each requested test method

Microbiology

- ___ Microbiology Equipment and Supply List (DCLS form # DGS-35-004)
- ___ Collection information and testing bench sheets for at least 20 samples for each requested microbiology method.

Chemistry/Radiochemistry

- ___ Chemistry Instrument and Equipment List (DCLS form # DGS-35-002)
- ___ IDC data package for each requested method/analyte pair
- ___ MDL data package for each requested method/analyte pair
- ___ MRL determination for each requested method/analyte pair
- ___ Radiochemistry: MDA data package for all requested method/analyte pairs
- ___ PT data package for each requested method/analyte pair

NOTES Data packages must include the following:

- ___ preparation of samples, standards and QC checks;
- ___ documentation of instrument calibration;
- ___ laboratory bench sheets and/or instrument reports;
- ___ all calculations leading to the final results.

MDL and MRL data packages must show how the laboratory determines the MRL. The data will be evaluated against regulatory and reference method requirements. All MRLs established by the laboratory MUST be less than the MCL stated in 40 CFR.

FOR RECIPROCAL LABORATORIES (LOCATED OUTSIDE VA):

- ___ A copy of the certificate and scope of certification issued by the laboratory's primary accrediting authority (NELAC, EPA, state, etc.)

Mail the payment and certification application materials to:

Drinking Water Laboratory Certification Group
Division of Consolidated Laboratory Services
600 North 5th Street
Richmond, VA 23219-3691

If you have any questions, please call (804) 648-4480, ext 382 or 383.

**APPLICATION FOR VIRGINIA CERTIFICATION
SAFE DRINKING WATER PROGRAM**

Date: _____

Organization: _____

Address _____

Telephone Number: _____

Laboratory Director: _____

Contact Person and Title: _____

Email address _____

1. (Check one) Application for initial laboratory certification (Virginia laboratory)
 Application for initial RECIPROCAL certification (provide certificate)
 Application to modify current drinking water laboratory certification
 Indicate VA SDWP Lab ID number _____

2. Does your laboratory presently test drinking water for a public water system in Virginia?
 Yes No

3 Identify water system(s) served: _____

4. Indicate below the parameters for which approval is being requested:

Check each requested microbiology method:

MICROBIOLOGY

TOTAL COLIFORM:

- Colilert Test _____
- Colisure Test _____
- Colitag _____
- ReadyCult Coliforms 100 P/A Test _____
- E*Colite _____
- Fermentation Test _____
- Clark's Presence/Absence Test _____
- Membrane Filter Test _____
- m-ColiBlue24 _____
- Membrane Filter w/ MI Agar _____
- Membrane Filter w/ Chromocult Agar _____

FECAL COLIFORM: EC Medium _____

- E. COLI:***
- Colilert _____
 - Colisure _____
 - Colitag _____
 - ReadyCult Coliforms 100 P/A Test _____
 - E*Colite _____
 - EC Medium+MUG _____
 - Nutrient Agar+MUG _____
 - m-ColiBlue24 _____
 - Membrane Filter w/ MI Agar _____
 - Membrane Filter w/ Chromocult Agar _____

HETEROTROPHIC PLATE COUNT: Pour Plate _____

SimPlate _____

Check each requested chemistry analyte and indicate method name/number:

INORGANIC CHEMISTRY

<u>TRACE METALS</u>	<u>METHOD</u>
_____ Antimony	_____
_____ Arsenic	_____
_____ Lead	_____
_____ Selenium	_____
_____ Thallium	_____
_____ Mercury	_____
_____ Aluminum	_____
_____ Barium	_____
_____ Beryllium	_____
_____ Cadmium	_____
_____ Calcium	_____
_____ Chromium	_____
_____ Copper	_____
_____ Iron	_____
_____ Magnesium	_____
_____ Manganese	_____
_____ Nickel	_____
_____ Silver	_____
_____ Silica	_____
_____ Sodium	_____
_____ Zinc	_____

<u>INORGANIC NON-METALS</u>	<u>METHOD</u>
_____ Asbestos	_____
_____ Cyanide	_____
_____ Fluoride	_____
_____ Fluoride	_____
_____ Nitrate	_____
_____ Nitrite	_____
_____ Orthophosphate	_____
_____ Sulfate	_____

<u>INORGANIC DISINFECTION BYPRODUCTS</u>	
	<u>METHOD</u>
_____ Bromide	_____
_____ Bromate	_____
_____ Chlorate	_____
_____ Chlorite	_____

PARAMETERS REQUIRING IMMEDIATE ANALYSIS
Laboratories must demonstrate the ability to analyze samples within the required holding times.

<u>PARAMETER</u>	<u>METHOD</u>
_____ pH	_____
_____ Residual Chlorine	_____
_____ Total (TRC)	_____
_____ Free (FRC)	_____

<u>OTHER PARAMETERS</u>	<u>METHOD</u>
_____ Alkalinity	_____
_____ Conductivity	_____
_____ Color	_____
_____ Foaming Agents(Surfactants), MBAS	_____
_____ Organic Carbon, Dissolved (DOC)	_____
_____ Organic Carbon, Total (TOC)	_____
_____ Total Dissolved Solids	_____
_____ Ultraviolet Absorbtion at 254 nm (UV ₂₅₄)	_____
_____ Specific Ultraviolet Absorption (SUVA)	_____

ORGANIC CHEMISTRY

<u>CARBAMATES</u>	<u>METHOD</u>
_____ Carbofuran	_____
_____ Oxamyl	_____

<u>DIOXIN</u>	<u>METHOD</u>
_____ 2,3,7,8-TCDD	_____

<u>DISINFECTION BY-PRODUCTS</u>	<u>METHOD</u>
_____ HALOACETIC ACIDS	_____
<i>Bromoacetic Acid</i>	<i>Dibromoacetic Acid</i>
<i>Chloroacetic Acid</i>	<i>Dichloroacetic Acid</i>
<i>Trichloroacetic Acid</i>	

_____ TRIHALOMETHANES	_____
<i>Bromoform</i>	<i>Bromodichloromethane</i>
<i>Chloroform</i>	<i>Chlorodibromomethane</i>

<u>FUMIGANTS</u>	<u>METHOD</u>
_____ Dibromochloropropane (DBCP)	_____
_____ Ethylene Dibromide (EDB)	_____

<u>HERBICIDES</u>	<u>METHOD</u>
_____ 2,4-D	_____
_____ 2,4,5-TP	_____
_____ Alachlor	_____
_____ Atrazine	_____
_____ Dalapon	_____
_____ Dinoseb	_____
_____ Diquat	_____
_____ Endothall	_____
_____ Glyphosate	_____
_____ Pentachlorophenol	_____
_____ Picloram	_____
_____ Simazine	_____

<u>RADIOCHEMISTRY</u>	<u>METHOD</u>
_____ Gross Alpha	_____
_____ Gross Beta	_____
_____ Iodine 131	_____
_____ Radium-226	_____
_____ Radium-228	_____

<u>PESTICIDES</u>	<u>METHOD</u>
_____ Chlordane	_____
_____ Endrin	_____
_____ Heptachlor	_____
_____ Heptachlor Epoxide	_____
_____ Hexachlorobenzene	_____
_____ Hexachlorocyclopentadiene	_____
_____ Lindane (γ -BHC)	_____
_____ Methoxychlor	_____
_____ Toxaphene	_____

<u>POLYCHLORINATED BIPHENYLS</u>	<u>METHOD</u>
_____ As Aroclor Screen	_____
_____ Total as Decachlorobiphenyl	_____

<u>SOCs</u>	<u>METHOD</u>
_____ Benzo(a)pyrene	_____
_____ Di(2-Ethylhexyl)-Adipate	_____
_____ Di(2-Ethylhexyl)-Phthalate	_____

<u>REGULATED VOLATILES</u>	<u>METHOD</u>
_____ REGULATED VOCs	_____
<i>1,1,1-Trichloroethane</i>	<i>Dichloromethane</i>
<i>1,1-Dichloroethylene</i>	<i>Ethylbenzene</i>
<i>1,1,2-Trichloroethane</i>	<i>O-Dichlorobenzene</i>
<i>1,2,4-Trichlorobenzene</i>	<i>P-Dichlorobenzene</i>
<i>1,2-Dichloroethane</i>	<i>Styrene</i>
<i>1,2-Dichloropropane</i>	<i>Tetrachloroethylene</i>
<i>Benzene</i>	<i>Toluene</i>
<i>Carbon Tetrachloride</i>	<i>Trichloroethylene</i>
<i>Chlorobenzene</i>	<i>Xylenes, Total</i>
<i>Cis-1,2-Dichloroethylene</i>	<i>Vinyl Chloride</i>
<i>Trans-1,2-Dichloroethylene</i>	

	<u>METHOD</u>
_____ Strontium-89	_____
_____ Strontium-90	_____
_____ Tritium	_____
_____ Uranium	_____
_____ Gamma Emitters	_____