

May 25, 2005

Hazardous, Toxic and Radioactive Waste
Center of Expertise

Richard Curtin
Applied Research & Development Laboratory (ARDL Inc.)
400 Aviation Drive
Mt. Vernon, IL 62864

Dear Mr. Curtin:

This correspondence addresses the recent re-evaluation of ARDL, Inc of Mt. Vernon, IL by the U.S. Army Corps of Engineers (USACE) for chemical analysis in support of the USACE Hazardous, Toxic and Radioactive Waste Program. This re-evaluation is based upon correspondence (email) from the St. Louis District (dated January 31, 2004), which requested the re-assessment of metals and explosives only.

Your laboratory is now validated for the parameters listed below:

METHOD	PARAMETERS	MATRIX ⁽¹⁾
3005A/3010A/6010B/7470A	TAL Metals ⁽³⁾	Water ⁽²⁾
3050B/6010B/7471A	TAL Metals ⁽³⁾	Solids ⁽²⁾

- Remarks:
- 1) 'Solids' includes soils, sediments, and solid waste.
 - 2) The laboratory has successfully analyzed proficiency testing (PT) samples for this method/matrix.
 - 3) TAL Metals: Aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc.

Enclosed for your information is a copy of the Desk Audit Report. No on-site inspection of this laboratory was performed. No further responses are necessary.

Based on the successful analysis of the National Environmental Laboratory Accreditation Conference Proficiency Testing samples for the appropriate fields of testing, the results of the laboratory desk audit, and your Corrective Action Report, your laboratory will be validated for sample analysis by the methods listed above. The evaluation, which was conducted for your facility, is based substantially on ISO Guide 25 (General Requirements for the Competence of Testing Laboratories) and USACE Engineering Manual (EM) 200-1-3, Appendix I (Shell for Analytical Chemistry Requirements). The period of validation is 24 months and expires on May 25, 2007.

The USACE reserves the right to conduct additional laboratory inspections or to suspend validation status for any or all of the listed parameters if deemed necessary. It should be noted that your laboratory may not subcontract USACE analytical work to any other laboratory location without the approval of this office. This laboratory validation does not guarantee the delivery of any analytical samples from a USACE Contracting Officer Representative.

Any questions or comments can be directed to Thomas Georgian at (402) 697-2567.

Sincerely,

Marcia C. Davies, Ph.D.
Director, USACE Hazardous,
Toxic and Radioactive Waste
Center of Expertise

Enclosure