

March 3, 2005

Hazardous, Toxic and Radioactive Waste
Center of Expertise

Steven Howard
HISS (Hazelwood Interim Storage Site) On-Site Laboratory
8945 Latty Avenue
Berkeley, MO 63134

Dear Mr. Howard:

This correspondence addresses the recent evaluation of HISS On-Site Laboratory of Berkeley, MO by the U.S. Army Corps of Engineers (USACE) for radiological analysis in support of the USACE Hazardous, Toxic and Radioactive Waste Program.

Your laboratory is now validated for the parameters listed below:

METHOD	PARAMETERS	MATRIX ⁽¹⁾
ML-001	Sample preparation	Water ⁽²⁾
ML-001	Sample preparation	Solids ⁽²⁾
ML-003	Operation of the gamma spectroscopy system	NA ⁽²⁾
ML-004	Operation of the alpha spectroscopy system	NA ⁽²⁾
ML-005	Isotopic determination of thorium (fusion)	NA ⁽²⁾
ML-006	Determination of radium-226 (fusion)	Water ⁽²⁾
ML-006	Determination of radium-226 (fusion)	Solids ⁽²⁾
ML-015	Isotopic determination of uranium (fusion)	NA ⁽²⁾
ML-018	Determination of gross alpha and/or gross beta activity	Water ⁽²⁾
ML-019	Operation of the gas flow proportional gross alpha/beta counting systems	NA ⁽²⁾
ML-021	Operation of the kinetic phosphorescence analyzer	Water ⁽²⁾

- Remarks:
- 1) 'Solids' includes soils, sediments, and solid waste. NA = not applicable
 - 2) Approval for this parameter is based primarily on review of SOPs.

Enclosed for your information is a copy of the Laboratory Inspection and Evaluation Report. Your laboratory has responded to the deficiencies as noted in the report. No further responses are necessary.

Approval for radiological parameters is based on review of the laboratory's SOPs; the results of the laboratory inspection, the Corrective Action Report, and the laboratory's analysis of Performance Evaluation samples from the DOE Quality Assessment Program (QAP) and a commercial performance testing sample provider. The evaluation of 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 March 3, 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 Dr. Jan W. Dunker at (402) 697-2566. General questions regarding laboratory validation may be directed to the Laboratory Validation Coordinator at (402) 697-2574.

Sincerely,

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

Enclosure