



May 20, 2014

Task Order LM00-502
Control Number 14-0601

U.S. Department of Energy
Office of Legacy Management
ATTN: Christina M. Pennal
Contracting Officer Representative
2597 Legacy Way
Grand Junction, CO 81503

SUBJECT: Contract No. DE-AM01-07LM00060, The S.M. Stoller Corporation, a wholly owned subsidiary of Huntington Ingalls Industries (Stoller)
Task Order LM00-502 Long Term Surveillance and Maintenance – Other Defense Activities
Transmittal of Rating Plan Deliverable: “Fernald-Submit Final Site Environmental Report for 2013 to DOE”
Activity Code RPT-14-1311-RTP14 – Completed: May 20, 2014

REFERENCE: LMS Rating Plan 14, Goal 1, Performance Objective 3, Item 1

Dear Ms. Pennal:

This letter transmits the *Fernald Preserve 2013 Site Environmental Report* for the Fernald, Ohio, Site for submittal to the U.S. Environmental Protection Agency (EPA) and Ohio EPA prior to the May 30, 2014, deadline. The quality of the document is very high and the work processes established by Stoller to generate this document are sound based on the small number and generally minor nature of the U.S. Department of Energy (DOE) comments on the initial draft. The document was completed more than a week prior to the rating plan deliverable due date. Compliance with environmental health and safety principles was maintained throughout the environmental monitoring activities leading to this document’s completion and no injuries occurred during the process. The document fulfills the annual reporting commitment identified in Attachment D of the *Comprehensive Legacy Management and Institutional Controls Plan*, Revision 6.

The 2013 Site Environmental Report documents the results of the environmental monitoring activities over the calendar year. This report consists of the following two components:

- **Summary Report**—Similar to previous annual site environmental reports, it includes background information about the Fernald Preserve and associated remediation activities. It also provides a summary-level presentation of environmental data for groundwater, surface water, and treated effluent, an exposure-pathway dose assessment for 2013, and includes a natural resources update.

- Appendixes A through D—The appendixes present the detailed compilation of environmental data for 2013, and primarily consist of graphs and tables. This detailed information supports the findings and data interpretations presented in the summary report.

The summary report is intended for the same audience as past annual reports and will be distributed to Fernald Preserve stakeholders. The appendixes are intended for a more technical audience, such as the regulatory agencies; therefore, distribution of those appendixes will be more limited. Several changes were made to data reporting in the appendixes to better report the progress of the groundwater cleanup toward attaining the final remediation level. These changes were made as a result of comments from Ohio EPA on the 2012 Site Environmental Report. The major changes are summarized below:

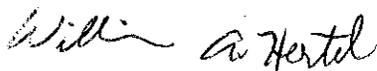
- Attachment A.1 presents additional uranium concentration trends near or above 30 micrograms per liter that were measured in extraction wells at the end of 2013. As expected, the regressions indicate slightly longer predicted-time estimates to reach 30 micrograms per liter due to the asymptotic nature of the data set. Table A.1-28 was added to the report to compare model-predicted uranium concentrations for 2013 to actual uranium concentrations measured at each extraction well in 2013.
- In Attachment A.2, additional text discussion is presented for those monitoring wells that exhibit an increasing uranium concentration, as indicated in Table A.2-29.

The summary report and appendixes will be available to all stakeholders at the Visitors Center, which is located at 7400 Willey Road, Hamilton, Ohio, 45013. The phone number for the Visitors Center is (513) 648-7500 and it is open Wednesday through Saturday, from 9:00 a.m. to 5:00 p.m., or by appointment. The summary report will also be made available on the Fernald Preserve page (<http://www.lm.doe.gov/fernauld/Sites.aspx>) of the DOE Office of Legacy Management's website.

The Stoller LMS Team is committed to high-quality customer service and continual improvement. We would appreciate any feedback you may have on this submittal.

Please contact me at (513) 648-3894 if you have any questions regarding this submittal.

Sincerely,



William A. Hertel
Stoller Site Manager

WAH/KV:dsm

Enclosures

cc: (electronic)

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Chuck White, Stoller
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Administrative Records (through B. Irvine)

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