

November 20, 2013

Colonel Elmer Speights, Jr.  
Garrison Commander – Rock Island Arsenal  
U.S. Department of the Army  
IMRI-ZA  
1 Rock Island Arsenal  
Rock Island, IL 61299-5000

SUBJECT: ACCEPTANCE REVIEW OF A LICENSE AMENDMENT REQUEST FOR THE  
DECOMMISSIONING OF THE JEFFERSON PROVING GROUND FACILITY,  
LICENSE SUB-1435

Dear Colonel Speights:

The U.S. Department of the Army (Army) submitted, on August 28, 2013, a Decommissioning Plan and Environmental Report to the U.S. Nuclear Regulatory Commission (NRC) for the Jefferson Proving Ground Facility, NRC Source Material License SUB-1435. The Army submitted, also on August 28, 2013, an application for an amendment to License SUB-1435 on NRC Form 313. The staff has reviewed the license application and documents submitted and found the application acceptable for detailed technical and environmental review.

Although our acceptance review determined that the application is acceptable for detailed review, the staff identified one area in the application where additional information is needed (see enclosure) to complete our review. We request that you address this area and provide an addendum to the application within 60 days of the receipt of this letter. Please note that the detailed technical and environmental review may identify other issues that require additional information.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice for Domestic Licensing Proceedings and Issuance of Orders," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

E. Speights

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If you have any questions regarding this letter, please contact Tom McLaughlin, NRC Project Manager for the Highland Reclamation Project, at (301) 415-5869 or via e-mail to [Thomas.McLaughlin@nrc.gov](mailto:Thomas.McLaughlin@nrc.gov).

Sincerely,

**/RA/**

Michael Norato, Branch Chief  
Materials Decommissioning Branch  
Decommissioning and Uranium Recovery  
Licensing Directorate  
Division of Waste Management  
and Environmental Protection  
Office of Federal and State Materials  
and Environmental Management Programs

Docket No.: 40-8838  
License No.: SUB-1435

Enclosure:  
Request for Additional Information

E. Speights

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Sincerely,

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Michael Norato, Branch Chief  
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Distribution: Region III

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|--------|-------------|-----------|------------|
| OFFICE | DWMEP/PM    | DWMEP/LA  | DWMEP/BC   |
| NAME   | TMcLaughlin | SAchten   | MNorato    |
| DATE   | 11/19/13    | 11/ 19/13 | 11/ 20 /13 |

**OFFICIAL RECORD COPY**

## REQUEST FOR ADDITIONAL INFORMATION

In Section 3.6.2 of the Decommissioning Plan (DP), the Army provides exposure rate measurements from site characterization. This exposure rate data indicates numerous locations where penetrators were detected in the top 46 cm (18 inches) of soil. In Section 3.4.2 of the DP, the Army indicates that it is expected to take at least 100 years for a penetrator to fully corrode. Because the Army expects penetrators to persist onsite for years after license termination, the Army should evaluate the dose to an individual who discovers and handles a penetrator on site if institutional controls fail. The U.S. Nuclear Regulatory Commission staff expects that relevant exposure pathways will include, but not necessarily be limited to, inadvertent ingestion and inhalation, of corrosion products transferred from the penetrator.

Enclosure