

August 25, 2015

Dr. Robert Cherry, Radiation Safety Staff Officer  
U.S. Army Installation Management Command  
ATTN: IMSO/301  
Building 2261  
2405 Gun Shed Road  
JBSA Fort Sam Houston, TX 78234-1223

SUBJECT: COMPLETION OF THE ACCEPTANCE REVIEW OF THE U.S. ARMY'S  
LICENSE AMENDMENT APPLICATION FOR POSSESSION OF DEPLETED  
URANIUM FROM THE DAVY CROCKETT WEAPON SYSTEM (SOURCE  
MATERIALS LICENSE NO. SUC-1593, DOCKET NUMBER 040-09083, TAC  
L53057)

Dr. Cherry:

The U.S. Army Installation Management Command (Army) submitted its license amendment application (Agency-wide Documents Management System (ADAMS) Accession No. ML15161A454), dated June 1, 2015, to address the 15 sites subject to License Condition No. 12 of Source Materials License No. SUC-1593 (ADAMS Accession No. ML13259A062). The Army proposes to use a programmatic approach to license 15 sites on multiple U.S. Army installations as well as the sites located on the two U.S. Army installations located in Hawaii which are already licensed under Source Materials License No. SUC-1593. The 17 U.S. Army installation sites that possess depleted uranium from the Davy Crockett M101 Spotting Rounds, as identified in the application, are located at: Forts Benning and Gordon (Georgia); Forts Campbell and Knox (Kentucky); Fort Carson (Colorado); Fort Hood (Texas); Joint Base Lewis-McChord and the Yakima Training Center (Washington); Fort Bragg (North Carolina); Fort Polk (Louisiana); Fort Sill (Oklahoma); Fort Jackson (South Carolina); Fort Hunter Liggett (California); Fort Greeley [Donnelly Training Area, Fort Wainwright AK] (Alaska); Fort Dix (New Jersey); Fort Riley (Kansas); and the Schofield Barracks and Pohakuloa Training Area (Hawaii).

The U.S. Nuclear Regulatory Commission (NRC) completed its acceptance review of the Army's application, in accordance with the process described in the NRC's acknowledgement letter to you dated June 17, 2015 (ADAMS Accession No. ML15167A502). As a result of this review, the NRC staff determined that the Army's amendment application is acceptable for docketing. The license amendment request for 17 U.S. Army installation sites identified in the Army's application will be reviewed under docket number 40-9083. However, please note that although the Army proposes to include the two Hawaiian installations under a programmatic approach to licensing, the current license for those installations remains in effect and can only be modified if the NRC approves the amendment request and amends the license.

Also, in accordance with the guidance in NUREG-1748 "Environmental Review Guidance for Licensing Actions Associated with Nuclear Materials Safety and Safeguards Programs," Appendix B (August 2003), the NRC staff has determined that the proposed action (*i.e.*, issuance of a license amendment to the U.S. Army for possession of depleted uranium from spent spotting rounds from the Davy Crockett weapon of 17 different sites under a

programmatic approach to licensing) qualifies for the categorical exclusion at Title 10 of the *Code of Federal Regulations* (10 CFR) 51.22(c)(14)(xv).

The review schedule for the Army's application is found in the enclosure. The NRC staff has identified three areas that may require substantial NRC review and impact the review schedule. These areas include the application's 1) site-specific data to verify that the Army's performance assessment modeling is bounding of the environmental conditions, 2) site-specific modeling data and justification for modeling parameters for the air pathway to account for aerosolization of depleted uranium, and 3) justification for non-routine or periodic environmental radiation monitoring for site-specific environmental radiation monitoring plans. These issues are expected to be complex, given that the Army utilized a performance assessment that bounds all anticipated environmental conditions among the 17 sites. Further, performance assessments, by their nature, are closely tied to the technical basis for the environmental radiation monitoring plan strategy. Therefore, the resolution of certain environmental radiation monitoring plan issues may be dependent on resolution of certain performance assessment issues. As a result, the NRC staff anticipates that several requests for additional information may be needed in these areas during its technical review of the application. Please note that the application review schedule includes additional time for these topics due to the reasons explained above.

Also, the NRC staff will conduct its safety review and associated environmental review in parallel. Although the NRC staff's safety review may be completed before its environmental review, both must be completed before a decision regarding licensing can be made.

The NRC believes the review schedule, while aggressive, is achievable with substantial management oversight and commitment from the Army to meet the established milestones with quality submittals that resolve any identified technical issues. The NRC anticipates that the Army will maintain a high level of commitment to provide the necessary information to the NRC in accordance with this schedule.

A notice of acceptance of the Army's application for docketing and opportunity to request a hearing was developed and will be forwarded to the Office of the *Federal Register*. A copy of this notice is also enclosed. The notice will be published in accordance with the provisions of 10 CFR 2.104.

In accordance with 10 CFR 2.390 of the NRC's "Agency Rules of Practice and Procedure," 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 ADAMS. ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

R. Cherry

3

If you have any questions, please contact me at 301-415-6822 or by e-mail at [amy.snyder@nrc.gov](mailto:amy.snyder@nrc.gov).

Sincerely,

**/RA/**

Amy M. Snyder, Senior Project Manager  
Materials Decommissioning Branch  
Division of Decommissioning, Uranium Recovery,  
and Waste Programs  
Office of Nuclear Material Safety  
and Safeguards

Docket Number: 040-09083  
License Number: SUC-1593

Enclosures:  
Review Schedule  
Copy of *Federal Register Notice*

R. Cherry

3

If you have any questions, please contact me at 301-415-6822 or by e-mail at [amy.snyder@nrc.gov](mailto:amy.snyder@nrc.gov).

Sincerely,

**/RA/**

Amy M. Snyder, Senior Project Manager  
Materials Decommissioning Branch  
Division of Decommissioning, Uranium Recovery,  
and Waste Programs  
Office of Nuclear Material Safety  
and Safeguards

Docket Number: 040-09083  
License Number: SUC-1593

Enclosures:  
Review Schedule  
Copy of *Federal Register* Notice

**ADAMS Accession Nos.: ML15194A497 (Package); ML15194A499 (Letter); ML15210A249 FRN)**

<b>OFC</b>	DUWP	DUWP	DUWP	FSCE	MSTR	DUWP	OGC (NLO)	DUWP
<b>NAME</b>	ASnyder	CHolston	CMcKenney	L.Chang (J.Caverly for)	PMichalek	MNorato	CHair	ASnyder
<b>DATE</b>	7/13/15	7/ 28 /15	8/05/15	7 /31/15	7/ 30/15	7/31/15	8 /20 /15	8/25/15

**OFFICIAL RECORD COPY**

### SUC-1593 LICENSE AMENDMENT APPLICATION REVIEW SCHEDULE

Task	Target Date
<b>Performance Assessment Modeling</b> Request for Additional Information Issued Responses to Request for Additional Information Due Request for Additional Information Issued (as necessary) Respond to Second Request for Additional Information Due Resolution of all Open items	September 1, 2015 October 1, 2015 November 1, 2015 December 1, 2015 January 30, 2016
<b>Environmental Radiation Safety Plan</b> Request for Additional Information Issued Responses to Request for Additional Information Due Request for Additional Information Issued (as necessary) Respond to Second Request for Additional Information Due Resolution of all Open items	September 1, 2015 October 1, 2015 November 1, 2015 December 1, 2015 January 30, 2016
<b>Physical Security Plan</b> Request for Additional Information Responses to Request for Additional Information Due Resolution of all Open items	September 1, 2015 October 1, 2015 November 1, 2015
<b>Decommissioning Cost Estimate Reviews</b> Request for Additional Information Responses to Request for Additional Information Due Resolution of all Open items	September 1, 2015 October 1, 2015 November 1, 2015
<b>Endangered Species Act Consultations</b> Consultations Complete	February 1, 2016
<b>Section 106 Review (Historical Property Consultation)</b> Consultations Complete	February 1, 2016
<b>Completion of Safety Evaluation</b>	February 1, 2016

Enclosure