

July 23, 2012

MEMORANDUM TO: Paul Michalak, 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

FROM: Dominick Orlando, Senior Project Manager **/RA/**
Special Projects Branch
Decommissioning and Uranium Recovery
Licensing Directorate
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management Programs

SUBJECT: JULY 12, 2012 MEETING WITH US ARMY INSTALLATION
MANAGEMENT COMMAND TO DISCUSS LICENSING OF
DEPLETED URANIUM FROM DAVY CROCKETT SPOTTING
ROUNDS (DOCKET NUMBER 04009083)

On July 12, 2012, U.S. Nuclear Regulatory Commission (NRC) staff held a Category 1 technical meeting with U.S. Army staff at NRC headquarters in Rockville, Maryland, to discuss the licensing of depleted uranium from Davy Crockett weapon system spotting rounds. The meeting was noticed on the NRC's webpage on June 29, 2012, and NRC staff contacted interested individuals by email to inform them of the meeting. A summary of the meeting is enclosed.

Enclosure: Meeting Summary

Docket Number: 04009083

CONTACT: Dominick Orlando, FSME/DWMEP
(301) 415-6749

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NAME	NOrlando	SAchten	NOrlando
DATE	7/19/12	7/20/12	7/23/12

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MEETING SUMMARY

MEETING WITH US ARMY INSTALLATION MANAGEMENT COMMAND TO DISCUSS LICENSING OF DEPLETED URANIUM FROM DAVY CROCKETT SPOTTING ROUNDS JULY 12, 2012

On July 12, 2012, U.S. Nuclear Regulatory Commission (NRC) staff met with representatives of the U.S. Army Installation Management Command (IMCOM) staff at NRC Headquarters in Rockville Maryland. The purpose of the meeting was to discuss the licensing of depleted uranium (DU) from spotting rounds used in the Davy Crockett weapon system that is present on operational firing ranges on the Army's installations in Hawaii. NRC staff in Region IV, NRC contractor staff from the Oak Ridge Institute for Science and Education, and interested stakeholders in Hawaii and other U.S. Army installations with firing ranges containing DU from the Davy Crockett weapon system participated by teleconference. The attendee list of the official meeting participants is included as Attachment 1.

In preparation for the meeting, NRC staff provided a draft license to the Army that included license conditions that the NRC staff concluded, based on its review of the Army's license application, Radiation Safety Plan, Physical Security Plan, and site-specific Environmental Radiation Monitoring plans for the Schofield Barracks and Pohakuloa Training Area, were necessary to ensure compliance with NRC regulations and issue the license. In opening the meeting, the NRC staff stated that they wanted to present each of the license conditions, provide the staff's rationale for the condition, address any questions the Army had about the license condition and discuss the implementation of the license condition with the Army staff. However, the Army staff stated that they preferred not to discuss the license conditions individually, but would provide a statement about the draft license at the conclusion of the NRC staff presentation of the draft license. The NRC staff presented each of the license conditions and answered questions by the Army regarding the rationale for the license conditions. The Army then read a prepared statement concerning the license. This statement is included as Attachment 2. The Army also requested that the NRC postpone issuance of the license until the Army had time to comment on the draft license. The NRC staff stated that they would consider the request and respond to the Army at a later time.

NRC staff then invited representatives from Federal agencies with oversight responsibilities at the Army installations in Hawaii and any Hawaiian State agency to ask questions regarding the draft license. A representative of the Office of Hawaiian Affairs asked several questions regarding the DU and the licensing actions. The NRC staff then read and addressed questions that had been submitted by email by several individuals. These emails are included as Attachment 3. Finally, the staff addressed questions from meeting observers on the teleconference. Army staff addressed all questions that were directed to them.

Enclosure

The principal points resulting from the meeting were:

- NRC staff has reviewed the license application and supporting documents and has concluded that additional actions, primarily increased environmental monitoring, are necessary to ensure that the Army will be in compliance with NRC regulations;
- The Army believes that the risk from the DU on the installations is low and that the increased environmental monitoring is not necessary, based on risk and cost to perform the monitoring;
- The Army believes that they have adequate historical environmental monitoring information to demonstrate that the increased monitoring in the draft license conditions is unnecessary; and
- NRC is willing to consider the Army's approach of using historical information as a rationale for more limited environmental monitoring, but the Army must present the information to NRC in a way that is clear, concise and of sufficient scope and quality to allow the NRC to conclude that the information demonstrates the Army's position;

Other points of interest were:

- The Army stated that it is reconsidering its internal orders regarding the prohibition of firing high-explosive ordnance into radiation control areas; and
- The NRC staff indicated that they were working on a way to allow interested individuals to more easily access the documents associated with the licensing actions.

Attachments:

1. Meeting Attendees
2. Army Statement
3. Emails of questions

MEETING ATTENDEES
US NRC/US ARMY MEETING TO DISCUSS LICENSING
OF DEPLETED URANIUM AT US ARMY SITES
JULY 12 2012

US NRC

Paul Michalak
Tracy Stokes
Tanya Oxenberg
David McIntyre
Brett Klukan
D. Blair Spitzberg
Dominick Orlando

ORISE

Tim Vitkus

US ARMY

Robert Cherry
Gregory Komp
Paul Muething
Barbara Lasar
Clinton German
Gregory Baldwin
Ann Wright

**Attachment 2- Army Statement
ML12199A231**

Attachment 3- Emails of Questions
ML12199A340