040-09083

TELEPHONE CONFERENCE CAL RECORD
NRC REGION III

Licensee: US Army Ordinance Corps. and Lake City Army Ammunition Plant
License No.: SUB-307 (issued June 14, 1961(terminated)), SUB-459 (terminated)
Docket No.: 040-06639 (issued November 1, 1961)

Date of Call: April 25, 2007

Subject of Call: **STATUS CALL BETWEEN THE US NRC AND US ARMY REGARDING PAST USE OF THE DAVY CROKET PROJECTILES CONTAINING DEPLETED URANIUM**

References: See attachment 1

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Background: During November 2006, the Army contacted Region III to report that the Army was investigating the discovery of depleted uranium (DU) contamination at a munitions test range located in Oahu, Hawaii. Region III was contacted by the Army Project Manager (Mr. Mike Styvaert) responsible for the investigation, because Region III had recently worked with Mr. Styvaert on another project involving the same DU munition. Subsequent historical investigation by the Schofield Barracks Installation Safety & Fire Office determined that the range location had been used as a Davy Crockett training location. The Davy Crockett Weapon System was first fielded in the late 1950's and was withdrawn from service in the late 1960's. It should be noted that

there is no current NRC license authorizing the use of DU at the Schofield Barracks, and the only AEC/NRC license which authorized the use and disposal of the Davy Crockett Projectiles was terminated. Additionally, based on the limited information available to date regarding the extent of contamination, the Army can not determine whether a NRC license is necessary until further survey data is obtained.

During a January 16, 2007, telephone conversation between the NRC and the Army, the Army's actions to scope the extent of the DU contamination at the Schofield Barracks' firing range was discussed. During this call, it was indicated that the area of DU contamination was greater than originally believed, and that a more detailed site characterization would be necessary. However, due to the beginning of the rainy season in Hawaii, the Army indicated that it wouldn't be able to characterize the area until July-August 2007. During the call the Army participants agreed to provide the NRC with a summary of the findings, and an outline of the Army intentions to address this issue and to provide a estimated schedule to address the issue. Additionally, the Army funded the St. Louis district Corps of Engineers to conduct a detailed archive search to ascertain if the Davy Crockett Projectiles had been used at other munition test ranges.

In a February 26, 2007, letter with an attached Technical Memorandum for the Schofield Barracks Firing Range, the Army actions to date, and future plans were described. In a March 12, 2007, NRC letter to the Army, the Army was informed that Region III and IV staff had reviewed the letter and survey report, and concluded that the Army's initial actions are reasonable to address the discovery of depleted uranium contamination at the Schofield Barracks. In the March 12 letter, the NRC requested the Army to do the following:

1. Keep NRC Region IV informed regarding the scheduling of surveys to be performed at Schofield Barracks.

2. Provide the Army's procedures and protocols to be used during the characterization survey at the Schofield Barracks.

3. Provide a copy of the U.S. Army Corps of Engineers' report regarding their review of records of past use of depleted uranium projectiles.

4. Provide any available radiological water sampling data, and keep the NRC informed regarding Army plans for any groundwater sampling and the results of those analyses.

Discussion: The purpose of this call was to ascertain the status of the Army's investigation to date regarding the past use of depleted uranium "Davy Crockett"

projectiles at the Schofield Barracks. Additionally, a secondary purpose of the call was to identify all interested parties, and to insure that good lines of communication during the initial discovery phase are maintained.

It was indicated during the call that the characterization plans for Schofield Barracks are scheduled, and that the Army staff will coordinate these surveys with Region IV, Mr. Bob Evans. It was indicated that the procedures and protocols for the conduct of surveys will be similar to those used by the Army contractor during the scoping surveys previously done during December 2006. Mr. Styvaert indicated that revised site specific characterization procedures will be provided to RIII and RIV as soon as available from the Army's contractor.

The Army Corps. Of Engineers report is complete and under-going Army internal review. The Army agreed to provide a copy to the NRC once the Army review is complete.

It was indicated by the Army that the analysis of water collected in the range area had not been completed. The Army agreed to submit the sample results to RIII and RIV for review.

There was some discussion regarding the possibility of Hawaii State radiological control inspectors accompanying NRC inspectors during the surveys to be done this summer. It was indicated that this is acceptable. Mr. Evans is the point of contact for Hawaii regarding coordination inspection accompaniment.

It was indicated by the NRC that we expect to receive a formal response from the Army to the NRC's March 12, 2007 letter. It was indicated by the Army that they will respond to the letter.

The meeting was closed by the NRC with an encouragement, that it is important for all involved parties to communicate frequently, particularly if new information or issues are identified

Conversation record by: G. M. McCann on May 4, 2007

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Schofield Barrack April 25, 2007
Telephone Conversation

Agenda

1. Introductions

Project Lead
Mike McCann RIII

Inspection Lead
Bob Evans RIV

Army Lead
Mike Styvaert

2. Purpose of call - followup to March 12, 2007

- Schofield Barracks

  Discuss schedule and plan for this summer

  Discuss need for NRC presence during these surveys (performance based and documentation).

  Discuss if there are any new findings not reported to date?

  Discuss current public interest.

- Discussion Army Corp of Engineers report

  When can we expect receipt?

  Summary of findings and what are the potential impacts?

- We need to be informed of surveys to be done at other impacted sites.

  This schedule needs to be conveyed in advance, so we can co-ordinate with appropriate inspection staff and regions.

- Standardized work instruction and procedures to be followed by Army contractor>

  This is particularly important if multiple contractors are to be used.

  The NRC will want to look at this procedure and send another letter indicating acceptable,

  The procedures need to reflect current acceptable guidance documents such as MARRSM or NUREG 5849.

  NUREG 1757 vol 2 has information on the conduct of characterization

The characterization survey work needs to demonstrate that values at and below 25 mrem per year can be identified, that is dose modeling and surveys need to be appropriate.

10 CFR Part 20, Subpart E, 1401 c) page 336 of brown book

5. Over-all schedule, we need to know when all sites will be completed, in order to determine licensing approach.