



UNITED STATES  
**NUCLEAR REGULATORY COMMISSION**  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

June 12, 2006

Docket No. 04000341  
Control No. 138458

License No. STC-133

F. Kevin Reilly  
Director, Directorate of Environmental Management  
Defense Logistics Agency  
Defense National Stockpile Center  
8725 John J. Kingman Road, Suite 3229  
Fort Belvoir, VA 22060-6223

**SUBJECT: DEFENSE LOGISTICS AGENCY, REQUEST FOR ADDITIONAL  
INFORMATION CONCERNING APPLICATION FOR AMENDMENT TO  
LICENSE, CONTROL NO. 138458**

Dear Mr. Reilly:

This is in reference to your letter dated February 3, 2006 submitting documentation in support of the decommissioning of the Curtis Bay Depot and requesting site specific Derived Concentration Guideline Levels (DCGL's). In order to continue our review we need the additional information:

1. Submit a map that shows the detailed topography of the site using a contour interval as described in NUREG 1757, Volume 1, Rev. 1, "Consolidated NMSS Decommissioning Guidance - Decommissioning Process for Materials Licenses", section 16.3.1.
2. In 1992, Oak Ridge Insitute for Science and Education did a survey of the L and M lines which had been sold to Ann Arundel County titled "Radiological Survey of Portions of the Curtis Bay Depot, General Services Administration, Baltimore, Maryland". Thorium levels greater than 10 pCi/gram were found in 15 of 27 subsurface soil samples taken at the L and M lines. These findings of subsurface thorium nitrate contamination were verified in the "Final Radiological Status Report for Decommissioning, Curtis Bay Depot Facility - January 4, 1996" submitted to NRC by DLA. The buildings on the L and M lines were used to store thorium nitrate which is the same use as some of the buildings which exist/existed in the current areas of decommissioning. Also, the levels of 10 pCi/g are greater than the 3.3 pCi/g requested as the site specific DCGL's.

According to the documents submitted, the only subsurface soil samples taken in the recent scoping survey were collected in the disposal area. Due to the close proximity of the L and M lines to the current areas of decommissioning provide additional information justifying the lack of subsurface soil sampling for other potentially contaminated areas.

3. In the Historical Site Assessment, you state in section 6.1.15 that no thorium was stored in the three buildings located north of Kulig Road, and in the same section, you list those buildings as J-522, J-622 and K-511. Figure 2 of the Historical Site Assessment

indicates that the buildings north of Kulig Road are J-521, J-522 and K-511. Confirm which three buildings have no history of thorium storage.

4. In section 6.1.1 of the Historical Site Assessment, you state that an allegation was brought "by Eric H. Reber, a former employee at the CBD". Eric H. Reber was not a former employee at the CBD, he was the NRC inspector who investigated the allegation to which you are referring. Confirm that you will reexamine the history of the allegation and any ramifications it may have for the current decommissioning.
5. In section 2.0 of the Historical Site Assessment, you state, "A dump on the south side of the site near where the former Ordinance Depot Incinerator was located is potentially contaminated". Submit a map showing the exact location of the dump referenced above.

Current NRC regulations and guidance are included on the NRC's website at [www.nrc.gov](http://www.nrc.gov); select **Nuclear Materials; Medical, Industrial, and Academic Uses of Nuclear Material**; then **Toolkit Index Page**. Or you may obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 9:00 p.m. EST, Monday through Friday (except Federal holidays).

We will continue our review upon receipt of this information. Please reply to my attention at the Region I Office and refer to Mail Control No. 138458. If you have any technical questions regarding this deficiency letter, please call Steve Hammann at (610) 337-5399. If you have any questions regarding fees please contact the NRC License Fee and Accounts Receivable Branch directly at (301) 415-6055 or 415-6096.

Your cooperation is appreciated.

Sincerely,

***Original signed by Elizabeth Ullrich***

Betsy Ullrich  
Senior Health Physicist  
Commercial and R&D Branch  
Division of Nuclear Materials Safety

cc:  
Michael Pecullan, Deputy Manager, Radiation Protection Program

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**SISP Review Complete: STH**

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