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

April 15, 2011

Docket No. 04038364 License No. SUB-1602
Control No. 574594

COL Timothy M. Sullivan
Commander
Department of the Army
Anniston Army Depot
Bldg 16
7 Frankford Ave.
Anniston, AL 36201

SUBJECT: DEPARTMENT OF THE ARMY, REQUEST FOR ADDITIONAL INFORMATION CONCERNING APPLICATION FOR NEW LICENSE, CONTROL NO. 574594

Dear COL Sullivan:

This is in reference to your application dated March 1, 2011 requesting a new Nuclear Regulatory Commission License No. SUB-1602. In order to continue our review, we need the following additional information:

1. NRC licenses are written in such a way that requires possession limits for materials used. In your application for a new license, you stated that the depleted uranium which you are requesting is encased in stainless steel packages known as “DU packages.” Please provide the amount of DU (in grams or kilograms) contained in each package and also provide the number of packages you may possess at any one time.

2. In your application, you stated that this license is for the removal of the side armor of the turret and installation of new side armor. The DU contamination would be would be considered unsealed material. Please provide the amount (in grams or kilograms) that you may possess at any one time. Also, please note that the possession limits that you choose may require that you submit financial assurance in accordance with the requirements of 10 CFR 40.36. If necessary, submit the required financial assurance or modify your licensing request such that financial assurance is not required. You may wish to refer to Volume 3 of NUREG-1757, “Consolidated NMSS Decommissioning Guidance” for assistance in formulating your response.

3. In your application, you state that transuranic contaminants may be present in the DU. Please confirm if the transuranic material is normal isotopes of DU and its decay products or if the DU has been contaminated with other materials. Please identify and provide a possession limit for each transuranic contaminant present in the DU. In addition please provide more details about the contamination or decay expected from the DU packages.

4. While you have provided a description of the facilities where the tanks containing the DU packages will be kept, please include a description of the areas assigned for waste storage. Submit a schematic description of the ventilation systems, with pertinent airflow rates, pressures, filtrations equipment, and monitoring systems.

5. Describe your licensed material inventory, control and accountability program. Your inventory and control system should have the capability to assure that licensed material possession limits are not exceeded and that material is accountable throughout the institution at any given time.

6. Please confirm that you will either perform a prospective evaluation demonstrating that unmonitored individuals are not likely to receive, in one year, a radiation dose in excess of 10% of the allowable limits in 10 CFR Part 20 or that you will provide dosimetry that meets the requirements listed under "Criteria" in NUREG-1556, Vol. 9, "Consolidated Guidance About Materials Licenses: Program Specific Guidance About Medical Use Licensees," dated October 2002 (enclosed). Otherwise, please describe an alternative method for demonstrating compliance with the referenced regulations. You may refer to Item 8.22 and Appendix M of the enclosed NUREG for guidance in preparing your response.

7. Specify the radiation detection instruments that you have available. Include the type (Geiger Muller, Ion Chamber, etc) and number of instruments available, the types of radiation detected, the range (milliroentgens per hour or counts per minute), and the intended use (monitoring, surveying, assaying or measuring). Appendix M of NUREG-1556, Volume 7 addresses radiation monitoring instrument specifications and may be helpful in developing your response.

Please note that you may use NUREG 1556 Vol. 7 “Consolidated Guidance about Materials Licenses” to help you formulate your responses.

Current NRC regulations and guidance are included on the NRC's website at www.nrc.gov; select **Nuclear Materials; Medical, Academic, and Industrial Uses of Nuclear Material;** then **Regulations, Guidance, and Communications.** You may also obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-866-512-1800. The GPO is open from 7:00 a.m. to 6:30 p.m. EST, Monday through Friday (except Federal holidays).

We will continue our review upon receipt of this information. Please reply to attention of Farrah Gaskins at the Region I Office and refer to Mail Control No. 574594. If you have any technical questions regarding this deficiency letter, please call Ms. Gaskins at (610) 337-5143.

If we do not receive a reply from you within 30 calendar days from the date of this letter, we will assume that you do not wish to pursue your application.

Sincerely,

***Original signed by Dennis R. Lawyer***

Dennis R. Lawyer
Health Physicist
Commercial and R&D Branch
Division of Nuclear Materials Safety

cc:
Robert Curry, Radiation Safety Officer

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**SUNSI Review Complete:** FGaskins

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| NAME | FGaskins/DL for | | DLawyer/DL | | | | | |
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