



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

April 19, 2007

Docket No. 030-34267
Control No. 140049

License No. 39-25372-01

Francis H. Chapelle, Ph.D.
Hydrologist
United States Department of the Interior
U.S. Geological Survey
720 Gracern Road, Suite 129
Columbia, SC 29210

**SUBJECT: UNITED STATES DEPARTMENT OF THE INTERIOR, REQUEST FOR
ADDITIONAL INFORMATION CONCERNING APPLICATION FOR RENEWAL
OF LICENSE, CONTROL NO. 140049**

Dear Dr. Chapelle:

This is in reference to your application received on February 5, 2007 requesting to renew Nuclear Regulatory Commission License No. 39-25372-01. In order to continue our review, we need the following additional information:

1. In your application, you did not describe a training program for radiation workers and ancillary personnel (maintenance, security, etc.). The training given to each group should be commensurate with the duties and responsibilities of the group. The training program must assure that personnel are instructed before assuming duties with, or in the vicinity of, licensed materials and specify a frequency for periodic refresher training. Appendix J of NUREG-1556, Volume 7, "Consolidated Guidance About Materials Licenses: Program Specific Guidance About Academic, Research and Development and Other Licenses of Limited Scope," dated December 1999 (enclosed) addresses radiation safety training topics and may be helpful in developing your response.
2. Submit a description of the areas assigned for the receipt, storage, preparation, and measurement of licensed materials. Submit a diagram showing the locations of shielding, the proximity of radiation sources to unrestricted areas, and other items related to radiation safety. For facilities where licensed materials may become airborne, include schematic descriptions of the ventilation system, with pertinent airflow rates, pressures, filtration equipment, and monitoring instruments. Diagrams should be drawn to a specified scale, or dimensions should be indicated.
3. In your application, you did not describe a radiation safety program. Please provide the information requested under "Response from Applicant" for Section 8.10 Item 10: Radiation Safety Program found in the enclosed NUREG-1556 Volume 7.

Current NRC regulations and guidance are included on the NRC's website at 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

F. Chappelle
United States Department of the Interior

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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. 140049. If you have any technical questions regarding this deficiency letter, please call me at (610) 337-5303.

In order to continue prompt review of your application, we request that you submit your response to this letter within 30 calendar days from the date of this letter.

Sincerely,

Original signed by Thomas K. Thompson

Thomas K. Thompson
Senior Health Physicist
Commercial and R&D Branch
Division of Nuclear Materials Safety

Encl: NUREG-1556 Volume 7

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SUNSI Review Complete: LRoldán

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