



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
2100 RENAISSANCE BOULEVARD, SUITE 100
KING OF PRUSSIA, PENNSYLVANIA 19406-2713

March 11, 2013

Docket No. 03036221
Control No. 579945

License No. 28-07946-08

Charles M. Reynolds, Ph.D.
Research Physical Scientist
Department of the Army
Engineer Research and Development Center
Cold Regions Research & Engineering Laboratory
72 Lyme Road
Hanover, NH 03755-1290

SUBJECT: DEPARTMENT OF THE ARMY, REQUEST FOR ADDITIONAL INFORMATION
CONCERNING APPLICATION FOR AMENDMENT TO LICENSE, CONTROL
NO. 579945

Dear Dr. Reynolds:

This is in reference to your letter dated January 28, 2013 requesting to amend Nuclear Regulatory Commission License No. 28-07946-08. In order to continue our review, we need the following additional information:

1. Prior to termination of a license, 10 CFR 30.35(g), 30.36(k)(4) and 30.51 require that you submit to the NRC certain records. Please submit the following records, or explain why such records are not applicable.
 - a. for unsealed materials with half-lives greater than 120 days, records for disposal made pursuant to 10 CFR 20.2002 (alternate disposal procedures, including burial authorized prior to January 28, 1981), 20.2003 (disposals to the sanitary sewerage system), 20.2004 (incineration of wastes), 20.2005 (disposal of specific wastes including liquid scintillation cocktail and animal tissue), and 20.2103(b)(4), evaluations of effluent releases.
 - b. records important for decommissioning as described in 30.35(g), 40.36(f) and 70.25(g). Examples of such records include but are not limited to: records of contamination, identifying the radionuclides, quantities and concentrations; as-built drawings and modifications of structures and equipment in restricted areas and locations of inaccessible contamination such as buried pipes; a single list, updated at least every 2 years, of areas to which access is limited for the purpose of radiation protection (restricted areas); and records related to the provision of financial assurance.

No license will be terminated until the required records are received by the NRC. Records may be transferred to the U.S. Nuclear Regulatory Commission, Region I, 2100 Renaissance Blvd, Suite 100, King of Prussia, PA 19406-2713.

2. Specific surveys were not included in the submission. Please submit the surveys used to release the facility for unrestricted use. Specific surveys are needed to demonstrate that sufficient scope of measurement has been conducted. As stated in NUREG-1757, Volume 1, "Consolidated Decommissioning Guidance Decommissioning Process for Materials Licensees", submit a Final Status Survey Report, or demonstrate that the facility, or portion of the facility, meets NRC criteria for unrestricted use by using the dose screening methodology described in Section 6.6. Guidance on surveys is found in Figure 8.1 and Section 15.4 of this volume and Volume 2 of this NUREG. Please note that this licensee also possessed unsealed cesium 137 and the surveys should reflect screening for this radioisotope. Surveys should also show specialized areas like hood ventilation and drains.
3. The NRC Form 314 was signed by Terrance Sobecki. Please provide the title of Terrance Sobecki to ensure the proper level of management has authorized the termination of this license.

Current NRC regulations and guidance are included on the NRC's website at www.nrc.gov; select **Nuclear Materials; Med, Ind, & Academic Uses**; then **Licensee Toolkits**, see our **toolkit index page**. 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 8:00 a.m. to 5:30 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. 579945. If you have any technical questions regarding this deficiency letter, please call me at (610) 337-5366.

The NRC's Safety Culture Policy Statement became effective in June 2011. While a policy statement and not a regulation, it sets forth the agency's *expectations* for individuals and organizations to establish and maintain a positive safety culture. You can access the policy statement and supporting material that may benefit your organization on NRC's safety culture Web site at <http://www.nrc.gov/about-nrc/regulatory/enforcement/safety-culture.html>. We strongly encourage you to review this material and adapt it to your particular needs in order to develop and maintain a positive safety culture as you engage in NRC-regulated activities.

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.

C. Reynolds

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Sincerely,

Original signed by Dennis R. Lawyer

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

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