



DEPARTMENT OF THE ARMY
US ARMY RESEARCH, DEVELOPMENT AND ENGINEERING COMMAND
ARMY RESEARCH LABORATORY
2800 POWDER MILL ROAD
ADELPHI MD 20783-1197

REPLY TO
ATTENTION OF

October 11, 2006

Safety Office

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RECEIVED
REGION 1

U.S. Nuclear Regulatory Commission
Division of Nuclear Material Safety
475 Allendale Road
King of Prussia, Pennsylvania 19406-1415

Dear Director:

This letter is being submitted for the renewal of Special Nuclear Material License (SNM) 348, docket 070-00378, awaiting the completion of our final survey and license termination efforts. The following information is submitted in accordance with the requirements of Title 10, Code of Federal Regulations, Part 70.22:

Licensee: Department of the Army
Army Research Laboratory
Adelphi Laboratory Center
2800 Powder Mill Road
Adelphi, Maryland 20783

Use/Activity of Material: Since the last renewal, all SNM-348 licensed sources have been transferred to authorized licensees or to the Department of Energy for disposal or reclamation. Final survey efforts are underway, as announced to your agency in a letter dated 28 Feb 05.

Period of License: Request that license SNM-348 be renewed for a period of two years to allow time for the conduct of the final survey and request for license termination.

Material: No SNM-348 licensed sources remain. All sources have been transferred to authorized licensees or the Department of Energy for disposal or reclamation

Training and Experience: The ARL Radiation Safety Officer, Michael Borisky, controls access to the Radiation Storage Area which is the only location where the SNM-348 licensed sources were ever present at the Adelphi Laboratory Center before they were transferred for disposal or reclamation. Mr. Borisky has over 24 years of experience as the ARL Radiation Safety Officer managing NRC licensed radioactive materials and the Radiation Safety Program.

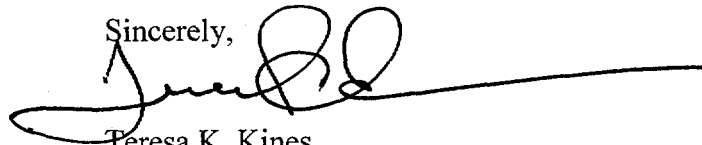
Facilities and Equipment: There have been no changes in facilities and equipment since the last renewal request. As described in past amendment and renewal requests, ARL owns portable and table top instrumentation for detecting and measuring alpha, beta, and gamma radiation. Ludlum Model 2 and Model 3 Geiger counters with model 44-7 and model 44-9 detectors are used for surveying. A BICRON Microrem/hr meter is used for measuring gamma radiation dose rates. These instruments are calibrated semi-annually by Radiation Services Organization (RSO) of Laurel, Maryland. RSO is licensed by the State of Maryland to calibrate instrumentation used for Maryland (NRC-agreement) state radiation safety programs. A Nuclear Measurements Corporation model PC-55 internal proportional counter is used to count wipe tests for removable alpha and beta contamination. This instrument is calibrated quarterly as described in past submissions, using National Institute of Standards and Technology (NIST) traceable alpha and beta standards.

Before their transfer, the SNM-348 licensed foils and discs were stored in a specially designed radioactive materials storage room. The room has reinforced concrete walls a minimum of 18 inches thick. Additionally, the storage room has a HEPA filtered ventilation system, impermeable floors and walls, and is located within the chain link fence that surrounds the Adelphi Laboratory Center. The door to the room is kept locked with a high security hasp lock, and access to the room is under the control of the Radiation Safety Officer, Michael Borisky. The status of the room door is constantly monitored electronically by our Guard Force. Periodic surveys of the room are performed by the Radiation Safety Officer to monitor the radiological status of the storage area and to ensure the physical integrity of the room and proper operation of the intrusion alarm system.

Procedures: Since all SNM-348 licensed sources have been transferred to authorized licensees or the Department of Energy for disposal or reclamation, no SNM-348 licensed radioactive sources remain. Leak tests conducted before the sources were transferred, and facility surface wipe tested conducted before and after the sources were transferred consistently suggest there is no facility contamination. A final survey effort is currently underway to eventually support a license termination request.

If any additional information is needed, please contact my Radiation Safety Officer, Mr. Michael Borisky, at (301) 394-6310.

Sincerely,



Teresa K. Kines
Associate Director for
Laboratory Operations

Copy Furnished:

U.S. Army Research, Development, and Engineering Command, Mission Support Office

This is to acknowledge the receipt of your letter/application dated

10/11/2006, and to inform you that the initial processing which includes an administrative review has been performed.

Renew SKM-348/07000378 There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 139579.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

Sincerely,
Licensing Assistance Team Leader