



Office of the Vice President
Research and Economic Development

4400 University Drive, MS 3A2, Fairfax, Virginia 22030
Phone: 703-993-8773; Web: www.gmu.edu/research

Br. 2

January 28, 2009

U.S. Nuclear Regulatory Commission Region I
475 Allendale Road
King of Prussia, PA 19406-1415

2009 FEB 13 PM 12:18
RECEIVED
REGION I

License Number 45-13147-01 030 01128

George Mason University would like to request an amendment to license number 45-13147-01 to reinstate Diann Stedman as Radiation Safety Officer for the University. Ms. Stedman served as RSO for Mason from 2005 until November 2008, when Bradley Huntsman was appointed RSO. However, Mr. Huntsman has separated from the university and can no longer serve as RSO. Please let me know if you require additional information.

Thank you,

Roger R. Stough
Vice President for Research & Economic Development

George Mason University
License Number 45-13147-01
Control Number 138167
Docket Number 030-01128

143355

Response to April 20, 2006 request for additional information:

1. Section 9 (Facilities and Equipment) of your license renewal request states that radiation measurement instruments will be calibrated routinely. In accordance with Section 8.10.2 of NUREG-1556, Volume 11, you must state how the Radiation Safety Committee (RSC)/Radiation Safety Officer (RSO) assures that radiation measuring instruments are calibrated at the prescribed frequencies. Please submit a description of the method used to ensure that these instruments are calibrated at the proper frequencies.

The RSO is responsible for assuring that all portable radiation measurement instruments are calibrated annually. The RSO maintains an accurate list of instruments that are in use and is the contract administrator for the outside vendor(s) that perform the calibration. Calibration certificates are kept in the RSO's office and instrument calibration status is reported in the Annual Radiation Safety Program Audit Report.

The RSO is also responsible for assuring that at least one liquid scintillation counter at each campus location where radioactive materials are used for counting radioactive samples and wipe test analysis is calibrated annually. The RSO is the contract administrator for the outside vendor(s) that perform the calibration and service the liquid scintillation counters. Calibration certificates and maintenance records are kept in the RSO's office and liquid scintillation counter calibration status is reported in the Annual Radiation Safety Program Audit Report.

2. Section 10.2 (Responsibilities of the RSO) of your license renewal request states the responsibilities of the RSO. In accordance with Section 8.7.3 of NUREG-1556, Volume 11, you must include a delegation of authority for the RSO signed by your executive management. Please submit a signed delegation of authority for the RSO.

A copy of the Delegation of Authority for RSO signed by Matt Kluger, Vice President for Research and Economic Development and the Certifying Officer for the Radiation Safety Program, is attached.

3. Section 10.3 (Responsibilities of the Radiation Safety Committee) of your license renewal request states the responsibilities of the Radiation Safety Committee. In accordance with Section 8.7.2 of NUREG-1556, Volume 11, you must include a description of the criteria used by the RSC and RSO to approve new users and uses of radioactive

material. Please submit a description of this criteria used to approve new users and uses of radioactive material.

Individuals wishing to become Approved Users of radioactive materials are required to provide information to the RSO and RSC regarding their past training and experience with radioactive materials. The RSO and RSC review this information and evaluate the individual's knowledge of the basic principles of radiation safety, safe procedures for radioactive materials use, and regulations regarding record keeping, waste disposal, and security of material. In addition, the extent of the individual's past experience with radioactive materials and the applicability of this experience to the proposed work is evaluated.

Individuals wishing to use radioactive materials must provide information to the RSO and RSC regarding the type and amount of material to be used, procedures to be performed, the type of waste that will be generated, precautions that will be taken to minimize exposure to radioactive materials, and security precautions that will be taken to prevent unauthorized access to radioactive material. The location where the radioactive materials work is to take place will be inspected by the RSO to assure that the space is adequate for type of work to be performed.

4. Section 10.10.14 (Safe Use of Radioactive Materials and Emergency Procedures) of your license renewal request states that radioactive material shall be secured to prevent theft or unauthorized removal. In accordance with Section 8.10.6 of NUREG-1556, Volume 11, you should include a description of the material control and accountability procedures used and for maintaining security of licensed radioactive material (locks, access control systems, etc.). Please submit a description of the procedures for material control and accountability and for maintaining security of licensed materials.

Entrances to locations where radioactive materials are used or stored are restricted through the use of Omni combination locks, swipe card access, or traditional key locks. These locations are either restricted to authorized users of radioactivity or equipped with lockable storage areas (e.g., freezers, refrigerators, cabinets) to prevent unauthorized access to radioactive materials and radioactive waste. All locations where radioactive materials are used or stored are locked when no one is present, and storage areas are locked when authorized users are not in-the line-of-site of the materials.

This is to acknowledge the receipt of your letter/application dated received
2/13/09, and to inform you that the initial processing which
includes an administrative review has been performed.

Amendment (45-13147-01)
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 143355.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.