



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

October 30, 2006

Docket No. 07002912  
Control No. 139355

License No. SNM-1862

Amy V. Ferdinand  
Director of Environmental Health and Safety  
Montclair State University  
14 Normal, 2<sup>nd</sup> Floor  
Montclair, NJ 07043

**SUBJECT: MONTCLAIR STATE UNIVERSITY, REQUEST FOR ADDITIONAL INFORMATION CONCERNING APPLICATION FOR RENEWAL OF LICENSE, CONTROL NO. 139355**

Dear Ms. Ferdinand:

This is in reference to your application dated August 30, 2006 applying for renewal of your Nuclear Regulatory Commission license. In order to continue our review, we need the following additional information:

1. Please confirm you understand you will receive a new license number because you no longer possess the special nuclear material.
2. In your application, you identify Amy V. Ferdinand as your Radiation Safety Officer. Please describe this individual's formal training in the following areas:
  - a. principles and practices of radiation protection;
  - b. radioactivity measurements standardization and monitoring techniques and instruments;
  - c. mathematics and calculations basic to the use and measurement of radioactivity; and
  - d. biological effects of radiation.

In addition, describe the specific isotopes the individual has handled, the maximum quantities of materials handled, where the experience was gained, the duration of the experience and the type of use.

3. Provide documentation of the training and experience of each person who will directly supervise the use of material, who will use material without supervision, or who will have responsibility for radiological safety. The documentation should include the type (on-the-job or formal course work), location, and duration of the training. The training should cover the same items listed in the previous bullet. The description of the use of licensed materials should include the specific isotopes handled, the maximum quantities

of materials handled, where the experience was gained, the duration of experience, and the type of use.

4. In your application, you did not describe the method used for the training nor the qualifications of instructors administrating the 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 addresses radiation safety training topics and may be helpful in developing your response.
5. Please submit a diagram showing the locations of shielding, the proximity of radiation sources to unrestricted areas, and other items related to radiation safety. Diagrams should be drawn to a specified scale, or dimensions should be indicated. For facilities where more than one laboratory or room may be used, a generic laboratory or room diagram may be submitted.
6. In your application you reference an Appendix B and an Appendix C. However, these appendices were not included in your application. Please provide the following information requested under "Response from Applicant" for the following sub-sections found in the NUREG-1556 Volume 7 Section 8.10, Item 10: Radiation Safety Program:
  - a. 8.10.2 Radiation Monitoring Instruments
  - b. 8.10.3 Material Receipt and Accountability
  - c. 8.10.4 Occupational Dose
  - d. 8.10.6 Safe Use of Radionuclides and Emergency Procedures
  - e. 8.10.7 Surveys
  - f. 8.10.8 Transportation

Current NRC regulations and guidance are included on the NRC's website at [www.nrc.gov](http://www.nrc.gov); select **Nuclear Materials; Medical, Academic, and Industrial Uses of Nuclear Material**; then **Toolkit Index Page**. Or you may obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 8:00 p.m. EST, Monday through Friday (except Federal holidays).

The NUREG-1556 Volume 7 on Program-Specific Guidance about Academic, Research Development and Other Licenses of Limited Scope Including Gas Chromatographs and X-Ray Fluorescence Analyze - Final Report can be accessed on the NRC's website using the following URL: <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v7/>.

A. Ferdinand  
Montclair State University

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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. 139355. If you have any technical questions regarding this deficiency letter, please call Lizette Roldán at (610) 337-5399.

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 Stephen Hammann***

Stephen Hammann  
Health Physicist  
Commercial and R&D Branch  
Division of Nuclear Materials Safety

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**SUNSI Review Complete: SHammann**

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DATE	10/30/2006		10/30/2006					

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