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P-7

January 13, 2005

U.S. NRC Region I
Attn: Tom Thompson
475 Allendale Road
King of Prussia, PA 19406-1415

RE: Control #138035
License #45-10414-01

03001125

Dear Mr. Thompson:

Please find below the responses to your questions regarding the Miller Hall facility of James Madison University, nuclear materials license (#45-10414-01).

(1) Date of usage of radioactive materials at (a) James Madison University (as a whole) and (b) Miller Hall

- (a) I have no definite date for the start of radioactive materials usage at James Madison University. The original license was originated in 1964. My records indicate that dosimeters were first issued in 1967.
- (b) The usage of radioactive materials began in Miller Hall in the summer of 1975. This date coincides with the opening and subsequent occupation of Miller Hall.

(2) Date all operations involving radioactive materials ceased in Miller Hall

All radioactive materials were moved from Miller Hall to a new facility on May 9-10, 2005. All operations involving radioactive materials ceased at this time.

(3) Square Footage of Miller Hall

Gross square footage = 77,977

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NMSS/RONI MATERIALS-002

(4) Statement of usage of Miller Hall facility

Miller Hall housed the Chemistry, Physics, and Geology Departments. The building consisted of teaching laboratories/classrooms (~14,500 ft²/ 50%), research laboratories (~7,400 ft²/ 25%), and offices/storage area (~6,700 ft²/ 25%). In addition, a large lecture hall and a planetarium occupy ~9,000 ft²

(5) Nature of area directly surrounding Miller Hall

Miller Hall is surrounded on three sides (to the south, west, and east) by other JMU academic buildings. Rockingham Memorial Hospital and Cancer Center is located to the north.

(6) Beginning date of JMU radioactive materials license

The original license for radioactive materials for James Madison University was initiated in 1964.

(7) Description of procedures conducted in the designated rooms (G21, G22, G22A, 110)

All laboratory activities involving the use of licensed radioactive materials was conducted in rooms G21, G22, G22A, and 110. In rooms G21 and G22, laboratory experiments involving radioactive materials and appropriate instrumentation were conducted. Storage of all radioactive material was limited to room G22A. All wet lab procedures and sample preparation were conducted in rooms G22 and G22A. This laboratory contains fume hoods and bench-top work space. Samples were irradiated with a neutron howitzer in room G22A and were transferred to room 110 for counting, as part of a physics laboratory exercise. There were never any laboratory procedures involving radioactive materials conducted outside the building or beyond the designated rooms.

If you require any further information, please contact me at armstrhk@jmu.edu or (540) 568-6678.

Sincerely,

Heather K. Armstrong

Heather K. Armstrong, RSO