



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

April 10, 2008

Docket No. 03010576
Control No. 141666

License No. 06-01450-47

Robert Hudd
Associate VP for Public and Environmental
University of Connecticut
3102 Horsebarn Hill Road, Unit 4097
Storrs, CT 06269-4097

**SUBJECT: UNIVERSITY OF CONNECTICUT, REQUEST FOR ADDITIONAL
INFORMATION CONCERNING APPLICATION FOR AMENDMENT TO
LICENSE, CONTROL NO. 141666**

Dear Mr. Hudd:

This is in reference to your letter dated February 21, 2008 requesting to amend Nuclear Regulatory Commission License No. 06-01450-47. In order to continue our review, we need the following additional information because of the need for an Environmental Assessment since radioisotope(s) with a half-life of greater than 120 days were used at the Noank Marine Research Laboratory:

1. The Environmental Assessment requires specific information concerning the facility:
 - a. Please provide the Commission with the total square footage of the Noank Marine Research Laboratory facility and describe the type of area the facility is in, i.e., residential, industrial, commercial, mixed residential/commercial, etc.,
 - b. Your letter indicates that Sung Yen Fang, Ph.D. conducted licensed activities in Rooms 201 and 202 with carbon-14 in an unsealed form. The letter also indicates that Stephen Spotte, Ph.D. used iodine-125 in an unsealed form in an unspecified room. Please confirm whether any other isotopes were used at the facility, the time frame in which materials were used, the amount of licensed material ordered and used for experiments, and the room(s) used by Dr. Spotte and any other researchers.
 - c. Provide the square footage of each room used for licensed activities.
 - d. Indicate whether there were any sewer disposals and/or effluent releases at the facility. Your surveys should include the sinks, drains, ductwork, and areas where radionuclides might aggregate.
2. Your surveys do not appear to meet the requirements of the "Alternative Simplified Method" in NUREG-1757, Volume 2, Revision 1, Appendix B, "Consolidated Decommissioning Guidance, Characterization, Survey, and Determination of Radiological Criteria." The survey requirements are for 30 wipes per 100 square meters

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of laboratory space for removable contamination and a 100% scan of the space for fixed contamination. Note that this method cannot be used if there is contaminated ductwork, imbedded piping or other exceptions in the section. If the surveys submitted do not meet the above requirements, then another survey of the laboratory space will be required.

Current NRC regulations and guidance are included on the NRC's website at www.nrc.gov; select **Nuclear Materials; Medical, Academic, and Industrial Uses of Nuclear Material; Regulations, Guidance, and Communications**. 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 7:00 a.m. to 8:00 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. 141666. If you have any technical questions regarding this deficiency letter, please call me at (610) 337-5075.

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 Steven Courtemanche

Steven Courtemanche
Health Physicist
Commercial and R&D Branch
Division of Nuclear Materials Safety

cc:
Martin Graham, Ph.D., Radiation Safety Officer

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SUNSI Review Complete: SCourtemanche

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