

From: Elizabeth Ullrich
Sent: Wednesday, June 03, 2009 10:26 AM
To: colurso@easternct.edu
Subject: amendment request

License No. 06-20971-01
Docket No. 030-22168
Control 143747
Eastern Connecticut State University

Dr. Colurso,

This refers to your letter dated May 18, 2009, with your survey results and the amendment dated May 18, 2009. Additional information is needed for the following:

1. In order to release Goddard Hall and the Media Center for unrestricted use, you need to demonstrate that these facilities meet the License Termination Criteria specified in Subpart E of 10 CFR Part 20. An acceptable method of doing so is described in NUREG-1757, Volume 2, Appendix B, which is located at the following web link: <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1757/v2/sr1757v2r1.pdf>

This reference describes an ‘alternate survey’ method that may be used at facilities such as yours, instead of the more detailed decommissioning surveys required by the NUREG-1757. The surveys that you provided would be considered ‘samples’ as described in the alternate survey method.

a. Please note that this reference requires 30 samples in an area of 100 square meters. Please review your surveys to ensure that the minimum criteria are met. If it is not, submit the additional survey results for samples. These samples should be from the permanent fixtures in the facilities remaining in the vacated areas such as floors, walls, hoods, benches, etcetera. Based on the survey results provided, more samples likely are required from such locations.

b. Please note that the alternate survey method requires a scan of the facilities to ensure that no areas of elevated radiation are detected. Provide the results of such scans for each room that you are requesting be released for unrestricted use.

2. Based on the survey results you submitted, it appears that the areas used included rooms G107, M220, M218, M219, M220A, M220B, M222, G208 and G220. Confirm if these were the only rooms in which licensed activities were performed under the license. Briefly describe the estimated area (such as square footage) of these rooms and the total area of the building in which they are located, with a brief description of the building. Please describe the type of area in which the building is located (for example: rural, industrial, residential, etcetera).

3. Confirm if you wish to have the authorization for the gas chromatograph removed from your license.

4. Prior to release of your facilities for unrestricted use, a Federal Register Notice will be published with the results of our Environmental Assessment for this release. This process may take more than 90 days. Please confirm if the proposed revisions provided in the amendment request are required prior to the publication of the Federal Register Notice. If so, we will issue the actions separately.

5. Item 7 and Item 10 of your application refer to the Radiation Safety Committee and two categories of Authorized Users.

a. Confirm if you are applying to become a license of broad scope in accordance with 10 CFR Part 33. If so, additional information will be required and should be submitted in accordance with NUREG-1556, Volume 11.

b. Confirm if you intend only to use the Radiation Safety Committee as described in your application to support your current license of limited scope.

c. Confirm that you understand that under your current license of limited scope, all persons, including those described as the “second category of Authorized Users” and Supervised Users, must work under the supervision of one of the individuals named on your license as an authorized user.

6. In Item 9, you describe a Ba-133 source in the Tri-Carb liquid scintillation counter and a Ra-226 source in the RackBeta liquid scintillation counter. These sources are possessed under the general license described in 10 CFR 31.5, and there should be a label somewhere on each liquid scintillation counter that states this. Under this general license, you are required to follow the manufacturer’s instructions for performing leak tests for these sources, and may only transfer these sources to a manufacturer or an authorized waste disposal facility. These sources are not required to be listed on your specific license at this time.

7. In Item 10, you state that surveys for photon radiation will be conducted with the Geiger-Mueller meter. Please note that the survey meter that is described in Item 9 is suitable for some alpha and beta surveys as well, and should be used to perform surveys of work areas where these radionuclides are used. In addition, more areas may be scanned with a survey meter than are typically sampled when performing wipe surveys. Confirm that your surveys will include both surveys with the meter, and wipe tests, in classrooms and laboratories where licensed materials are used.

Please do NOT respond to this request for additional information by email. Please respond by regular mail as a hard copy with a signature is required for the response. You may contact me by email or by telephone if you have any questions about this request for additional information.

thanks,

Betsy

Betsy Ullrich, Senior Health Physicist

Division of Nuclear Materials Safety, NRC Region I

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E-mail Properties

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From: Elizabeth Ullrich

Created By: Elizabeth.Ullrich@nrc.gov

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colurso@easternct.edu (colurso@easternct.edu)
Tracking Status: None

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MESSAGE	11037	6/3/2009

Options
Expiration Date:
Priority: oImportanceNormal
ReplyRequested: False
Return Notification: False

Sensitivity: oNormal
Recipients received: