



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

July 5, 2006

Docket No. 03037293
Control No. 139020

License No. 06-31169-01

John Russo
Operations Manager
Eclipse Systems, Inc.
540-15 East Main Street
Brandford, CT 06405

SUBJECT: ECLIPSE SYSTEMS, INC., REQUEST FOR ADDITIONAL INFORMATION
CONCERNING APPLICATION FOR NEW LICENSE, CONTROL NO. 139020

Dear Mr. Russo:

This is in reference to your application dated June 23, 2006 applying for a Nuclear Regulatory Commission license. The application was filed using the guidance of NUREG -1556, Volume 9, 'Program-Specific guidance About Medical Use Licenses.' However, the application did not request the use of Nuclear Regulatory Commission (NRC) regulated materials for medical use. The appropriate guidance document for the purposes requested is NUREG-1556, Volume 7, 'Program-Specific Guidance About Academic, Research and Development, and Other Licenses of Limited Scope.' The below requested information is a reflection of the difference in these guidance documents. In order to continue our review, we need the following additional information:

1. Please designate who should be the NRC designated management contact for all future correspondence.
2. 10 CFR 30.32(g) requires that an application for a specific license to use byproduct material in the form of a sealed source or in a device that contains a sealed source must either identify the source or device by manufacturer and model number as registered with the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or with an Agreement State; or contain the information identified in 10 CFR 32.210(c). Please provide this information for the cesium 137 and barium 133 button sealed source(s) requested in your application.
3. In your application, items 7.1 and 7.2 you have submitted names for the positions of Radiation Safety Officer (RSO) and Authorized Users (AU). The training submitted was a basic radiation safety course and no experience was submitted. Please review sections 8.7.1 and 8.7.2 of NUREG-1556, Volume 7 for demonstrating adequate training and experience. The RSO and AU should have a college degree at the bachelor level or equivalent training and experience in physical chemical biological sciences, or engineering; and training and experience commensurate with the scope of proposed activities. For experience, please include the types and quantities of radionuclides handled or used in the past.

4. Describe your program for training and refresher training all persons who handle licensed material or who frequent areas where licensed material is used. This training program must include a review of emergency procedures and response criteria and include sections that are tailored to various types of radiation and ancillary workers such as authorized users, laboratory supervisors and technicians; incinerator operators, waste compactor operators, and purchasing department personnel receiving licensed material; housekeeping, nursing, security, and other ancillary personnel; and the radiation safety office staff. Confirm that you will maintain records of initial and refresher training, that include a list of topic(s) covered, the amount of time spent and the date, the instructor(s) and student(s) names. The model training program in Appendix J of NUREG-1556, Volume 7 may be helpful in formulating your response.
5. Please state that you will develop and maintain procedures for ensuring material accountability. Also state that "Physical inventories will be conducted at intervals not to exceed 6 months, to account for all sealed sources and devices received and possessed under the license."

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**; 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).

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. 139020. If you have any technical questions regarding this deficiency letter, please call me at (610) 337-5366.

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 Dennis R. Lawyer

Dennis R. Lawyer
Health Physicist
Commercial and R&D Branch
Division of Nuclear Materials Safety

cc:
Charles Harrell, Radiation Safety Officer
William Carroll, President

J. Russo
Eclipse Systems, Inc.

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SUNSI Review Complete: DLawyer

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