

JUN 24 1985

License No. 20-05766-02
Docket No. 030-01879
Control No. 03766

Lahey Clinic Foundation
ATTN: Robert E. Wise, M.D.
Chief Executive Officer
41 Mall Road
Burlington, MA 01805

Gentlemen:

This is in reference to your letter dated April 24, 1985 and application dated May 1, 1985, to amend License No. 20-05766-02. In order to continue our review, of your request for I-125 work, we need the following additional information:

1. You have requested a possession limit of 100 millicuries of I-125 but have stated that you will use no more than 2 millicuries of I-125 in any one week. Please justify such a large possession limit since you could receive 2 millicuries of I-125 each week for any period of time, without making any disposals, and never exceed a total possession of 20 millicuries.
2. Your calculations of concentrations of I-125 in effluents at the release point when averaged over a 24 hour period indicate a concentration of 2×10^{-9} microcuries per milliliter. This concentration is 25 times greater than the limits specified in 10 CFR 20, Appendix B, Table II, Column 1. Therefore, please submit:
 - a. A realistic evaluation of concentrations in effluents using the efficiency of your activated charcoal filter in the exhaust stack and averaging concentrations over a full year for those times when the exhaust system will be operating.
 - b. A description of the frequencies at which you will count and evaluate the filter which samples the exhaust plume. Since it appears that your concentrations of iodine-125 in effluent may be close to 8×10^{-11} microcuries per milliliter, we suggest that your sampling filter and exhaust system be operated continuously and that concentrations be evaluated at least monthly.
 - c. A description of air monitoring to be performed in the breathing zone of individuals handling iodine-125.
 - d. A description of your exhaust system including the location of the exhaust stack with respect to air intakes or occupied areas. Please confirm that exhaust air is not recirculated to other areas of your facility.

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3. Please identify the two individuals who will perform iodinations and submit a description of their training and experience which qualifies them to perform iodinations.

In addition, we are enclosing a copy of the "Second Corrected Copy, Amendment No. 35" which corrected the error in Item 8.E.

We will continue our review upon receipt of the above information. Please reply in duplicate to my attention at the Region I office and refer to Mail Control No. 03766.

Sincerely,

Original Signed By:

John E. Glenn

John E. Glenn, Ph.D., Chief
Nuclear Materials Safety Section B
Division of Radiation Safety
and Safeguards

Enclosures:

1. 10 CFR 20
2. Amendment No. 35 (Second Corrected Copy)

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Varela/sm
6/21/85

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John E. Glenn, Chief
Nuclear Materials Section B
Division of Engineering and
Technical Programs

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee: Lahay Clinic Foundation

Application Dated: 4/24/85

Control No.: 03766

License No.: 20-05766-02

2. FEE ATTACHED

Amount: \$ 120.00

Check No.: 10842

3. COMMENTS

Signed Brenda Platchek

Date 5/8/85

B. LICENSE FEE MANAGEMENT BRANCH

1. Fee Category and Amount: 7C # 120

2. Correct Fee Paid. Application may be processed for:

Amendment ✓

Renewal

License

Signed Francis Brown

Date 5/15/85