

OCT 22 1984

License No. 20-02829-01
Docket No. 030-01857
Control No. 17946

Carney Hospital
ATTN: Frank O'Donnell
Vice President
Diagnostic Services
2100 Dorchester Avenue
Boston, Massachusetts 02124-5000

Gentlemen:

This is in reference to your application dated July 30, 1984, to renew License Number 20-02829-01. In order to continue our review, we need the following additional information:

1. Item No. 13. of your application dated July 30, 1984, states the Endocrinology Department will use the attached equivalent procedures (Item 13, page 2) for safely opening packages containing radioactive materials. Item No. 13 page 2 does not contain package opening procedures. Please describe your procedures for examining incoming packages for leakage, contamination or damage, and for safely opening packages in accordance with Section 20.205 of 10 CFR Part 20. It is recommended that, as a minimum, these include instructions to wear gloves, monitor the packages before opening, and monitor the packing material for contamination after opening.
2. Submit the precautionary measures and the bioassay procedures that you will follow or confirm that iodine-131 will only be received and administered as capsules.
3. Please submit a modified facility diagram that shows the location and the measured airflow rate of each air exhaust vent and each air supply vent in the areas where xenon 133 is used or stored. This information is necessary so that we may determine that use and storage areas are under negative pressure.
4. Saturated charcoal cartridges from the xenon trap may be a source of xenon room air contamination. These cartridges should be capped if possible and/or sealed in a polyethylene bag before storing for disposal. Please describe the precautionary measures that you will observe.

OFFICIAL RECORD COPY

351JOUSTR10/11/84 - 0001.0.0
10/16/84

8501090601 841224
NMS LIC30
20-02829-01 PDR

ML10

5. NRC's June 16, 1980, letter to all medical licensee's requested that an ALARA Program be submitted with significant amendment requests filed after August 15, 1980. Please submit a copy of your ALARA Program. You may choose to adopt the model ALARA Program in Appendix O of Regulatory Guide 10.8. If you have chosen to adopt the model ALARA Program you may simply fill in the blanks on the first and last pages of the program, have a representative of your management sign the program on the last page, and submit the signed model ALARA Program with your response to this letter.

We will continue our review upon receipt of this information. Please reply in duplicate to my attention at the Region I office and refer to Mail Control No. 17946.

Sincerely,

Original Signed By:
John E. Glenn

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

Enclosures:
Regulatory Guides 8.20 and 10.8

RI:DETP *[Signature]* RI:DETP
Joustra/cop Glenn
10/17/84 10/17/84

OFFICIAL RECORD COPY

351JOUSTR10/11/84 - 0002.0.0
10/16/84