MAR 22 1985

License No. 29-03198-03
Docket No. 030-02468
Control No. 18026

Alfred J. Swyer, M.D.
307 60th Street
West New York, New Jersey 07093

Gentlemen:

This is in reference to your application dated February 4, 1985 to renew License Number 29-03198-03. In order to continue our review, we need the following additional information:

1. Your calibration procedures for your dose calibrator are incomplete. Submit complete descriptions of your procedures for the constancy, linearity, geometrical variation, and instrument accuracy tests. Appendix D of Regulatory Guide 10.8 (enclosed) contains procedures that we find acceptable. Additionally, please identify the activity of the cesium 137 source that you have indicated you will use for your daily constancy tests; identify the calibration source and activity of the source which you will use to calibrate the iodine-131 channel on your dose calibrator for daily constancy and annual accuracy tests (NRC guidance suggests a barium - 133 source of approximately 200 microcuries). Please identify the activity of the radium-226 source you indicate you will be using for accuracy tests and identify the activity of technetium-99m you will use for your quarterly linearity test (NRC guidance suggests the total activity of the first elution of a new generator) since you do not use generators, the activity must be equivalent to the highest activity you receive in a multidose vial of technetium - 99m. Further, it appears that you possess the required sources from the leak test reports attached to your application, please clarify why they were not indicated in Item No. 10 of your application.

2. Describe the area where radioactive waste is held for decay prior to disposal as nonradioactive waste.

3. Ancillary personnel (clerical, nursing, housekeeping security, etc.) whose duties may require them to work in the vicinity of radioactive material (whether escorted or not) need to be informed about radiation hazards and appropriate precautions. Outline your method to assure that these employees receive the necessary instruction. Confirm that this instruction will be given both initially and annually thereafter on a refresher basis. Please clarify whether a training session covering the contents of your NRC License and NRC rules and regulations is held for your technologist.

Describe the training which would be given to a new technologist. NRC guidance suggests that such training be given initially upon hiring and annually as a refresher.

4. Item 25 of your application states a local hospital has agreed to admit patients containing radioactive material. Submit a copy of the letter of authorization, signed by an administrator, from the hospital.

5. Submit the precautionary measures and the bioassay procedures that you will follow when using iodine - 131 or confirm that iodine-131 will only be received and administered as capsules.

6. NRC does not authorize Group V materials at Private Practice Offices. Iodine 131 used for treatment of thyroid carcinoma with a 100 millicurie activity dose requires hospitalization of the patient until the residual activity is 30 millicuries or less.

   If you wish authorization to use iodine 131 for treatment of thyroid carcinoma you must be listed as an authorized user for Group V at a hospital on their license and not on a private practice license.

7. It appears that Mr. Joseph Warmund had been approved as your radiation safety officer at one time. Mr. Warmund appears to be your consultant and would not be at your facility on a daily basis. We would prefer the radiation safety officer to be present on a daily basis. At this time we suggest that you assume the responsibility of radiation safety officer with assistance from Mr. Warmund. Please confirm whether you will adopt this suggestion or submit the name of the individual who will be responsible for the day to day radiation safety program also submit their training.

8. It appears that from the calibration record submitted for your EON G.M. survey meter that it is not calibrated at 2 points on each scale as required by Appendix D, Section 1, Regulatory Guide 10.8. You indicated you will follow these procedures. Please clarify this deviation from your indicated procedures.

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. 18026.

Sincerely,

Original Signed By:
Jenny M. Johansen

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

Enclosure: Regulatory Guide 10.8

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