

MAY 21 1985

License No. 37-09016-01
Docket No. 030-03111
Control No. 03349

Citizens General Hospital
ATTN: Ronald J. Clearfield, M.D.
651 Fourth Avenue
New Kensington, Pennsylvania 15068

Gentlemen:

This is in reference to your application dated January 10, 1985, to renew License No. 37-09016-01. In order to continue our review, we need the following additional information:

1. Item 11. of your application does not show the area that will be used for storage of radioactive waste, including decay-in-storage prior to disposal as nonradioactive waste. (This area should be large enough to handle an accumulation of used Tc-99m generators as well as other solid waste. If this area is located ancillary to your department, describe how you will secure the material. Confirm that this area will be surveyed at least weekly.)
2. In reference to your request for Xenon-133, product information for a Xenon trap is attached but no statement is made of its use. Please confirm that the trap will be used for all procedures where Xenon-133 is administered to a patient.

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.

Describe how you will ensure that collection and trapping devices are performing according to specifications, both initially and on a continuing basis. Include in your description how you will monitor traps to determine when saturation occurs and the filter must be replaced.

3. You should remeasure the airflow ratings of each air supply vent and each air exhaust vent at least semiannually to determine that the system continues to operate in accordance with the specifications that you submitted. Please confirm.

OFFICIAL RECORD COPY

CITIZENS GENERAL - 0001.0.0
11/28/83

8511130751 850916
REG1 LIC30
37-09016-01 PDR

ML10

4. Your calculation of the estimated concentration of Xe-133 in the effluent to the unrestricted area has a mathematical error. Section 6 of Appendix M (enclosed) includes a sample calculation. Please confirm that the supporting ventilation and activity calculations dated September 23, 1979 are still applicable.
5. You have indicated that you will calibrate your dose calibrator according to the procedures in Appendix D. In order to follow the procedures in Appendix D, you will need reference standards of high, intermediate, and low energy (e.g., cesium-137, barium-133, and cobalt-57). The source activity levels should approximate those levels normally encountered in clinical use (e.g., cobalt-57: one millicurie or more). Please identify the three sources that you will use. State nuclide, activity, and calibration accuracy.
6. You did not specify the revision number and date requested at the top of page 2 on Form NRC-313M. The correct reference is: Regulatory Guide 10.8, January 1980. Please confirm.

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. 03349.

Sincerely,

Original Signed By:
John D. Kinneman

John D. Kinneman, Chief
Nuclear Materials Section A
Nuclear Materials Safety & Safeguards Branch
Division of Radiation Safety & Safeguards

Enclosure:
Regulatory Guide 10.8

RI:DRSS
Piccone/djh
J.M.P.
5/8/85

RI:DRSS
Kinneman
5/8/85

OFFICIAL RECORD COPY

CITIZENS GENERAL - 0001.1.0
11/28/83