

Provident  
Medical  
Center

500 East Fifty-first Street Chicago, Illinois 60615 (312) 285-5300

February 21, 1983

Mr. D. G. Wiedeman, Chief  
Materials Radiation Protection  
Section 1  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Re: License No. 12-02364-01

Dear Mr. Wiedeman:

In accordance with your letter of January 21, 1983,  
I have enclosed a response prepared by Dr. William P. Quinn,  
Director, Department of Radiology, to the report submitted  
as a result of the inspection conducted on January 10, 1983.

Please contact me if additional information is required.

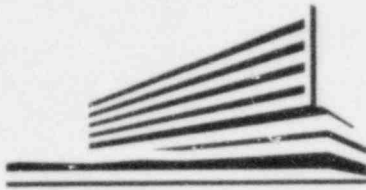
Yours truly,

John P. Ash  
Associate Executive Director,  
Administration

JPA/rh  
Enc.

8303170471 830309  
NMS LIC30  
12-02364-01 PDR

FEB 25 1983



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500 East Fifty-first Street Chicago, Illinois 60615 (312) 285-5300

February 17, 1983

RECEIVED

FEB 18 1983

ADMINISTRATION

TO: Mr. John P. Ash  
Associate Executive Director

FROM: William P. Quinn, M.D. *William P. Quinn*  
Director, Department of Radiology

Re: Exceptions noted in January 10, 1983's letter from U.S. Nuclear Regulatory Commission, 799 Roosevelt Road, Glen Ellyn, Illinois, concerning Radioactive Material License No. 12-02364-01.

Exception corrections are as follows:

1. An application for license renewal to include a change regarding the frequency of the Isotope Safety Committee Meeting is being prepared. Also, a request for the proper ammendment is attached. It is requested that the present and new license indicate the Isotope Safety Committee (Radiation Safety Committee) will meet quarterly. Full compliance will be achieved by 3-25-83. Dates of the most recent meetings are: 7-13-82, 9-14-82, and 1-25-83.

Corrective actions taken to avoid further non-compliance: (a) Calendar formulated to indicate months for quarterly meeting to include: January, April, July, and October, 1983; (b) Amend and renew license to specify committee meets quarterly and not monthly.

2. Weekly wipe tests are now being performed, in addition to daily surveys. The weekly wipe tests are documented as required. The cause for non-compliance of this item was due to misinformation. A consultant indicated that a pancake probe survey was sufficient. This is corrected as of 2-1-83.

Corrective action taken to avoid further non-compliance: (a) ReInstitute weekly wipe testing procedure; (b) Avoid altering procedures without consulting the Nuclear Regulatory Commission or the Illinois Department of Nuclear Safety.

Mr. John P. Ash  
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Page 2.

Exception Corrections (No. 12-02364-01):

3. In addition to the dose calibrator being tested for linearity by an outside vendor, nuclear medicine personnel will perform linearity tests once every three-months for three quarters of a year. An outside vendor will render testing annually. This will constitute the performance of linearity testing to be enforced quarterly.

Corrective action taken to avoid further non-compliance:  
Linearity test for dose calibrator: (a) Linearity test performed on premise 2-16-83; (b) Schedule posted to indicate months for linearity tests; (c) Include review of linearity in future committee meetings.

4. The Ludlum Model #5 survey instrument is scheduled for recalibration. Calibration should be completed by 3-31-83. A requisition was forwarded to Purchasing for a purchase order number to include arrangements for calibration and shipment case on 2-2-83.

Corrective action taken to avoid further non-compliance:  
Calibration of survey instrument: (a) Utilize one vendor, if possible, for instrument calibration; (b) Review calibration date in Isotope Safety Committee Meeting.

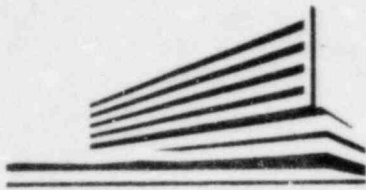
/pw

Attachments (3)

Request for Amendment to License No. 12-02364-01:

The Isotope Safety Committee shall meet as often as necessary, but not less than once per-quarter.

Example: January, April, July, and October.



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DEPARTMENT OF NUCLEAR MEDICINE

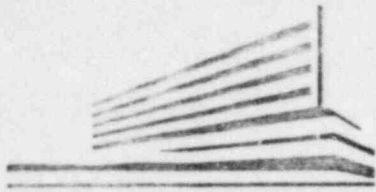
QUARTERLY DOSE CALIBRATION LINEARITY TEST

<u>RADIONUCLIDE DATE/TIME</u>	<u>CALCULATED ACTIVITY</u>	<u>MEASURED ACTIVITY</u>	<u>PERCENT DIFFERENCE</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

\*LINEARITY MAXIMUM DEVIATION

± 5%  
5%

TECHNOLOGIST: \_\_\_\_\_



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DEPARTMENT OF NUCLEAR MEDICINE

WEEKLY WIPE TEST

A. PREPARATION AREA

- (1) WORK BENCH ..... cpm.
- (2) HOT SINK ..... cpm
- (3) OUTSIDE HOT STORAGE BIN ..... cpm
- (4) PREPARATION SHIELD ..... cpm

B. INJECTION AREA

- (1) PATIENT STRETCHER ..... cpm