

MAY 25 1984

Peter R. Almond, Ph.D.
Deputy Head, Dept. of Physics
Anderson Hospital and Tumor Institute
6723 Bertner Avenue
Houston, TX 77030

Dear Dr. Almond:

Please review the credentials of Mr. Joseph Ohlmacher to act as a qualified expert per 10 CFR Part 35, Section 35.24.

Documentation of Mr. Ohlmacher's training and experience is enclosed, as well as a report of a full calibration and spot-check program performed by Mr. Ohlmacher, and a written endorsement of the technical qualifications of Mr. Ohlmacher from a physicist certified by the American Board of Radiology. Also enclosed is a standard appraisal form for your convenience. Please forward your comments to the following address:

U.S. Nuclear Regulatory Commission
Region III Materials Licensing Section
799 Roosevelt Road
Glen Ellyn, IL 60137
ATTN: Bruce S. Mallett, Ph.D.

Thank you.

Sincerely,

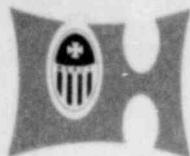
Patricia J. Whiston
Materials Licensing Section

Encl: As stated

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REG3 LIC30
21-01354-05 PDR

RIII

PAW
Whiston/bm
05/23/84



leila y. post montgomery hospital

300 north avenue, battle creek, michigan 49016 telephone 616-962-8551

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U.S. NUCLEAR REG.
COMMISSION
MAIL SECTION

May 28, 1979

U.S. Nuclear Regulatory Commission
Radioisotopes Licensing Branch
Division of Fuel Cycle and Materials Safety
Washington, D.C. 20555

Re: Control Number 99051

Gentlemen:

The following information is being submitted, as you requested,
to support our application to renew our Teletherapy License #21-
0135403.

Thank you for your cooperation.

Sincerely,

Sister Mary Charlene Curl RSM
Sister Mary Charlene Curl
Administrator

COPIES SENT TO OFF. OF
INSPECTION AND ENFORCEMENT

conducted by the sisters of mercy



1. Name and address of licensee.

Leila Y. Post Montgomery Hospital
Radiology Department
300 North Avenue
Battle Creek, Michigan 49016

2. License number to be renewed 21-01354-03

3. Names of individual users:

1. Doctor Melvin H. Johnson, Jr., M.D.
2. Doctor Christopher C. Higgins, M.D.
3. Doctor Duncan E. Stewart, M.D.
4. Doctor J. Richard Jaconette, M.D. (new user)

6. Electrical Beam Stops.

The unit is restricted by electrical interlocks to the beam stopper. The head may not be used if more than three degrees from vertical, with respect to the beam stopper.

7. Patient Viewing System:

A TV viewing system is used with a viewing window and mirror as a backup system.

8. Personnel Monitoring:

1. Searle Diagnostics, Inc.
2. Film Badges (wrist, body, and eye)
3. Film Badges are changed monthly.

9., 10., and 11. Victoreen Model 740-F Cutie Pie Survey Meter

A. It is checked monthly for response to radiation using a 200uCi Co-137 source. The batteries and zeroing are checked monthly. These are done by our consulting physicist.

B. It is checked for batteries, zeroing prior to each use by the operator.

C. It is calibrated at least annually by the manufacturer.

12. Wipe Test Procedures

See attached sheet 1

13. Emergency Procedures

See attached sheet 2

15. Dr. J. Richard Jaconette, M.D. is a new user. He was certified in 1964 by the American Board of Radiology in Radiology.

12. Wipe test procedures to be done semi-annually

1. Samples are taken using an alcohol soaked patch. Tongs are used to reach the positions. The wipes are placed in a cardboard holder and counted.

2. An ICN Co-160 wipe test standard is used to determine the amount of radio-nuclide present in the wipe. The standard was .0036 uCi on 3/79.

3. Equipment used:

1. Picker Dual Head Scanning System

Model 500/D

consisting of 2 5"x2" No.I detectors

dual pulse height analyzer

scaler

4. Date Collection:

1. Background

A ten minute count is obtained and background calculated in cpm.

2. Standard

A two minute standard count is obtained and a net standard cpm calculated.

3. Sample

Each sample wipe is counted twice for 1 minute each time. The average is used and a net cpm_(wipe) calculated.

4. Activity of the wipe:

$$A_{(wipe)} = (Act_{Std}) \left(\frac{(NET \text{ Cpm Wipe})}{(NET \text{ Cpm Std})} \right)$$

5. On our last wipe test

$$Bgd = 782 \text{ cpm}$$

$$NET \text{ Std} = 6523 \text{ cpm}$$

All wipes were less than--.004 uCi

EMERGENCY SHUTDOWN PROCEDURE

For emergency termination of treatment before the present treatment has elapsed or if the beam does not turn "off" after the normal exposure cycle has been completed:

1. Press the EMERGENCY BAR on Control Unit.
2. If the beam shuts off but turns on again, when the EMERGENCY BAR is released, press the BAR and HOLD IT. Call for assistance, and proceed to Step 6 below.

If the beam still remains on:

3. Close the shutter manually by turning emergency shutter handwheel on front of the head in the clockwise direction as indicated by the arrows (red segment on handwheel signal disk will be "up" in furthest position from collimator when source has moved to "off" position).

WARNING:

AVOID DIRECT EXPOSURE TO THE BEAM, DO NOT REMAIN IN THE TREATMENT ROOM LONGER THAN ABSOLUTELY NECESSARY WHILE BEAM IS "ON".

Should the beam still remain on:

4. Quickly remove the patient from the treatment room; grasp rear handle of treatment table tightly (pressure on rear handle releases floor brakes) and pull backward firmly on rear handle until table moves out of primary beam; wheel table and patient out of treatment room.

If beam is still on and patient cannot be removed quickly:

5. Rotate sourcehead using "head" pushbuttons on pendant switch so that beam is directed away from patient. (Head can be swivled in either direction).
6. Remove patient by most convenient means as quickly as possible.

7. Leave the room, close and lock the door or post a guard to prevent unauthorized entry.
8. Notify Doctor Melvin H. Johnson, Radiation Safety Officer, 965-1449 and call Picker Corporation Service, 962-7612.