

Sibley Memorial Hospital

5255 Loughboro Road, N. W.
Washington, D. C. 20016

April 17, 1981

RECEIVED BY LFMB	
Date	4/29/81
Log	APRIL PG 6
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Action Comp	4/30/81

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

Dear Sirs:

The following information is submitted in order that our License
08-07398-01 may be renewed:

1. Sibley Memorial Hospital
Radiation Therapy Department
5255 Loughboro Road, N. W.
Washington, D. C. 20016

2. License #08-07398-01

3. Jose L. Baselga, M. D. Dr. Baselga was previously listed
on NRC License 08-03604-04.

4. 7A as amended.

5. 8A as amended.

6. No beam restrictions.

7. Continuous patient viewing is accomplished by having a closed
circuit TV camera and monitor. A lead glass window in the
treatment room door and a mirror provide a back-up system.

8. Personnel monitoring

9. Survey and monitoring instruments

(1a) Nuclear Associated Minimonitor II X-Gamma Survey Meter.
The detector is an energy-compensated GM tube. Energy
range 40 keV to 1.2 MeV. Readout range is 0 to 1000 mR/hr.

(1b) Calibration is performed annually.

Applicant	103557
Check No.	270 (7A)
Amount/Fee Category	Renewal
Type of Fee	4/29/81
Date Check Received	Brown
Received By	

8706300787 870204
REGI LIC30
08-07398-01 PDR

Discarded amdt 06 & 07 of license - copies
of which were attached
to this letter - P. Wacca 4/4/81
COPIES SENT TO OFF. OF
INSPECTION AND ENFORCEMENT

rec
4/29/81

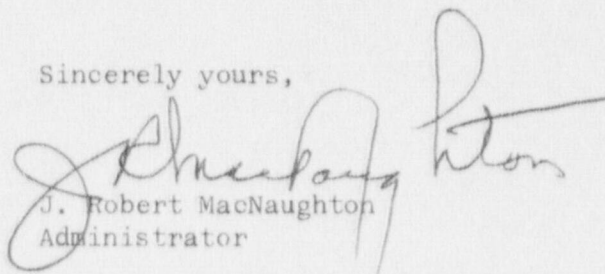
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Survey and monitoring instruments (continued)

- (2a) Victoreen Model 570 condensor R-meter with Model 621 chamber. Effective energy range 250 keV to 1.3 MeV. The chamber range is 100 R. This instrument is available, when needed, from the Washington Hospital Center.
 - (2b) Calibration checked every two years by NBS.
 - (3a) Capintec Model 192 Exposure/Exposure rate meter with Model PR-06C chamber. Energy range 100 keV to 1.3 MeV with a sensitivity of 0.200 nC/R. The maximum display is 2000 R or R/M. This instrument is available, when needed, from the Washington Hospital Center.
 - (3b) Calibration checked annually.
 - (4a) Nuclear Associates, Inc. PRIMALERT 10, with battery power backup unit. The detector is an energy-compensated GM tube. Energy range 60 keV to 2 MeV. Selectable alarm level of either 2.5 or 20 mR/hr. Visual alarm consists of 2 bright, red, flashing on-off lamps. 180° field of view.
 - (4b) Calibration with Cesium-137 at factory prior to delivery.
10. (a) Survey instruments will be calibrated at least annually and following repair.
- The survey instruments will be contracted out to Radiation Service Organization, P.O. Box 419, 5204 Minnick Road, Laurel, Md. 20810. Their license is MD-33-021-01 and their procedure is filed with the Commission.
- A cesium-137 reference check source will be placed in a specific geometry relative to the detector at the time of calibration and prior to each use or at least quarterly. If the check source reading is not within $\pm 20\%$ of the expected value, the instrument will be recalibrated.
- (b) The monitoring instruments that are used to determine the output of our Cobalt-60 teletherapy unit are checked bi-annually by the NBS. Other checks consist of an intercomparison of chambers with those of other facilities who have current NBS calibrated chambers (NIH, Malcolm Grow Hospital and Walter Reed Hospital).

- (c) The Nuclear Associates, Inc. PRIMALERT 10 detector is checked daily to see if the lights flash during a treatment. The instrument is used as a go - no-go device to indicate that the source is in the "on" position. No other calibration is performed.
11. Semi-annual leak testing of our teletherapy source is contracted with Health Physics Associates LTD, 3304 Commercial Avenue, Northbrook, IL 60062. Telephone: (312) 564-3330.
- A kit consisting of three cotton swabs in three pre-numbered test tubes, a pair of plastic gloves, a packet of detergent, and instructions are received twice a year. Mr. Kenneth D. Williams performs the test in accordance with the instructions. The gloves and vials are returned to HP Associates for sample processing. A certificate of leak testing and a sticker indicating the test results are returned to us within a few days. The sticker is then located on the side of the teletherapy unit.
12. See attached sheets.

Sincerely yours,


J. Robert MacNaughton
Administrator

/cdw

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INSTRUCTIONS TO RADIATION THERAPY PERSONNEL

A. ROUTINE PROCEDURES:

1. All planning for therapy patients will be performed by Jose L. Baselga, M. D.
2. All therapeutic procedures will be conducted only under the direct supervision of Dr. Baselga or his designate.
3.
 - a. During the course of a therapeutic procedure the controls and patient will be visually monitored to insure that the patient does not move during the procedure and that the controls are functioning properly.
 - b. If a patient moves significantly during the course of a procedure, or the controls fail to function properly, the treatment is to be interrupted by disconnecting the main switch (located on the North wall within the control area) and opening the door to the room. Dr. Baselga is to be notified immediately.
4. At no time will an employee remain in the room with a patient during the course of treatment. (NOTE: Lead aprons do not provide protection at the energy levels used.)
5. Beta Plaque applications are to be performed only by Dr. Baselga or his designate. Beta source quantity and location information may be obtained from Dr. Baselga, if necessary.
6. Film badges are to be worn only while on duty.

B. EMERGENCY PROCEDURE:

1. Deep Therapy Unit: If exposure fails to terminate at the prescribed time.
 - a. Disconnect main switch.
 - b. Enter room and remove patient.
 - c. Immediately notify Dr. Baselga.
 - d. Record all pertinent data.
 - e. Give film badge to Mr. Vincent for an immediate reading.
 - f. Complete incident report.
2. COBALT-60 Unit: To be used when source fails to return after termination of treatment. (Indicated by loud "buzzing sound" arising from Cobalt-60 Unit control.)
 - a. Disconnect main switch.
 - b. Enter room and remove patient as quickly as possible.
 - c. AVOID EXPOSURE TO THE DIRECT BEAM & DO NOT RE-ENTER THE ROOM.
 - d. Lock treatment door.
 - e. Immediately notify Dr. Baselga.
 - f. Record all pertinent data concerning the treatment given, time of failure and any characteristics unusual to the normal operation of unit.
 - g. Give film badge to Mr. Vincent for an immediate reading.
 - h. Complete incident report.

**** IN CASE OF EMERGENCY NOTIFY ONE OF THE FOLLOWING INDIVIDUALS ****

J. L. Baselga, M. D.	977-0971
A. J. Miele, M. D.	229-3939
P. A. Vincent, R. T.	490-7845

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BEFORE: William O. Miller, Chief
License Fee Management Branch
Office of Administration

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

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LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee: Sibley Memorial Hospital

Application Dated: 5/22/86

Control No.: 105628

License No.: 08-07398-01

2. FEE ATTACHED

Amount: \$ 350.00

Check No.: 159990

3. COMMENTS

Signed Brenda Platchek

Date 6/10/86

B. LICENSE FEE MANAGEMENT BRANCH

1. Fee Category and Amount: 7A \$350

2. Correct Fee Paid. Application may be processed for:

Amendment

Renewal ✓

License

Signed Skimbley

Date 6/13/86