



# BRIDGEPORT HOSPITAL

a community resource  
Area Code (203) 364-3000

267 GRANT STREET • P.O. BOX 5000 • BRIDGEPORT, CT. 06610

MICHAEL E. SCHRADER  
President

May 20, 1985

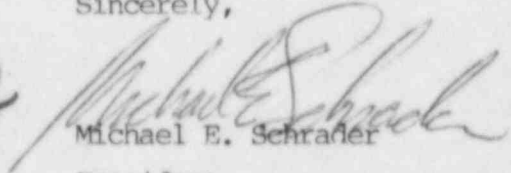
Nuclear Regulatory Commission  
Region I Material Licensing Section  
631 Park Avenue  
King of Prussia, PA 19406

Dear Sirs:

We wish to amend Bridgeport Hospital's Materials License No. 06-01060-01 to incorporate alterations in our Nuclear Medicine Department. Sheets describing these changes are attached. Note that the previous radioactive storage room is being enlarged, and will now serve as both hot lab and storage room. The old hot lab is being eliminated. The waiting/reception area and one of the scan rooms are also being moved.

Enclosed please find the required amendment fee of \$120, pursuant to 10CFR170.31, category 7C. If any additional information is required, please do not hesitate to contact us.

Sincerely,

  
Michael E. Schrader  
President

RECEIVED  
Date... 6/6/85  
By... June I I  
Brown  
4/4/85

Applicant... 188201...  
Check No... 188201...  
Amount/Fee Category... \$120/7C  
Type of Fee... Amendment  
Date Check Rec'd... 6/6/85  
Received By... Brown

8512200290 850724  
REQ1 LIC30  
06-01060-01 PDR

"OFFICIAL RECORD COPY"

ML10 03859

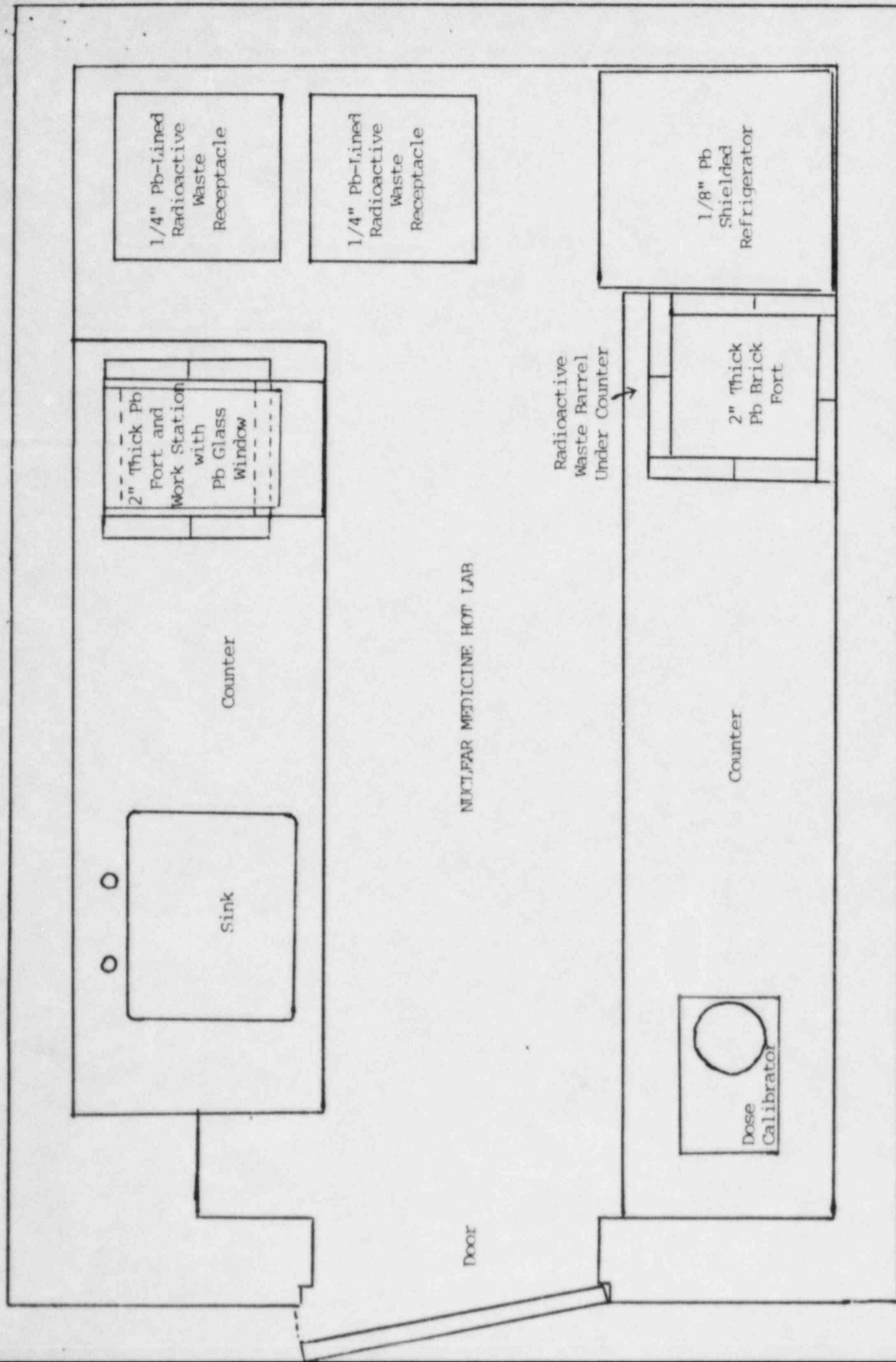
MAY 28 1985

## Hot Lab

The hot lab is used

- 1) to receive and open packages containing radioisotopes;
- 2) to store overnight all packages containing radioisotopes which arrive after regular working hours (see items 13 and 14);
- 3) to prepare and store radiopharmaceuticals;
- 4) to elute Tc-99m from a Mo-99/Tc-99m generator (we require and keep such a generator only when our commercial supplier of Tc-99m is unable to provide us regular daily shipments, e.g. during a labor strike);
- 5) to store radioactive calibration sources;
- 6) to store radioactive waste and contaminated linen or clothing; and
- 7) to store radiation survey instruments and radioactive decontamination materials.

The room contains a protective leaded work station with a lead glass window, supplemented with 2" thick lead bricks, for preparation and temporary storage of radiopharmaceuticals. All preparations are carried out on trays covered with absorbent paper. Radioisotopes are calibrated using a dose calibrator (see item 9) located in another section of the room. A lead fort, constructed of 2" thick lead bricks, is used for storage of calibration sources and radiopharmaceuticals in their original lead containers. Materials requiring refrigeration are stored in the most remote corner of a shielded refrigerator. Two wooden boxes with hinged covers, and lined with 1/4" lead, are available along the back wall of the room for storing radioactive waste and contaminated materials. A barrel is kept under the counter supporting the lead fort for longer-term storage of low-level radioactive waste. These waste receptacles and all sources are so shielded that exposure rates in areas occupied by personnel do not exceed 2mR/hr. Clamps and tongs, disposable plastic gloves, spare lead bricks, syringe shields, shielded syringe carriers, and other shielded containers are available and used to minimize personnel exposure during handling, preparation and storage of radioisotopes. The room itself is shielded on all sides with 1/8" lead. The door to the room will be kept closed and locked when the room is not in use.



NUCLEAR MEDICINE HOT LAB

Scale: 1" = 1'

Item 11  
5/20/85

Scale:  
1/8" = 1'

Elscint  
Apex 415  
Gamma Camera

Cardiac  
Nuclear  
Medicine

Treadmill

Doctor's  
Office

Files

Mechanical

Dark  
Room

Toilet

Toilet

Files

Reception  
and  
Waiting  
Area

Cleaning  
Closet

Work Room

EEG

CEP

EEG

Reading

C  
o  
r  
r  
i  
d  
o  
r

Ultrasound

Reception  
Area

Ultrasound

Corridor

Closet

Locker  
Area

Hot Lab

Locker  
Area

Xe-133  
System

Elscint  
Apex 409M  
Gamma Camera

250 cfm

200 cfm

Siemens  
Gamma Camera

250 cfm

200 cfm

Sink

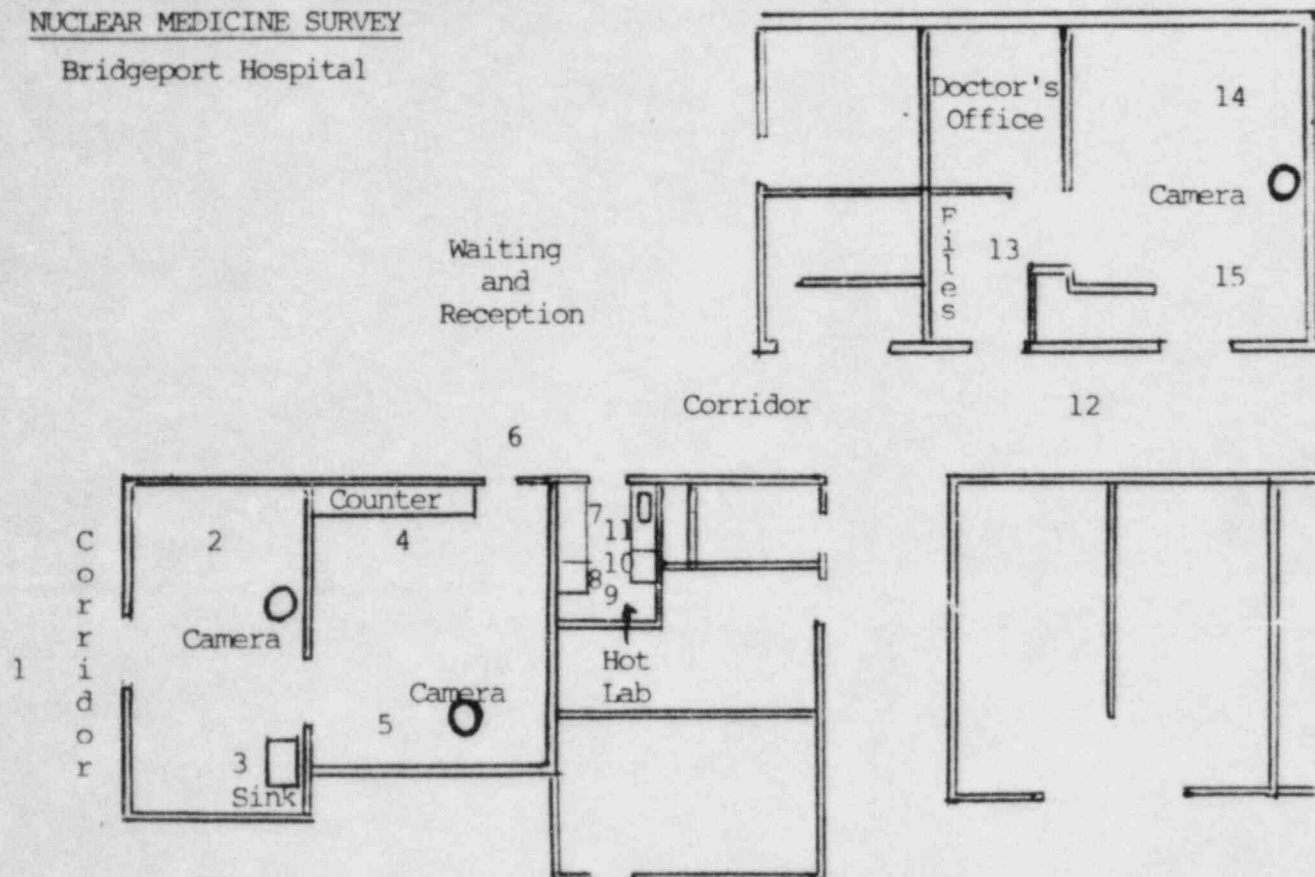
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Corridor

Item 11  
5/20/85

# NUCLEAR MEDICINE SURVEY

Bridgeport Hospital



Record maximum reading in surrounding area at each location.

Take corridor readings in all accessible areas.

Check survey meter for battery and standard indications prior to use.

Location	Surveys - mR/hr					Wipes - CPM	Comments
	/ /	/ /	/ /	/ /	/ /	/ /	
Background							
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
Surveyor							
Instrument							



BETWEEN: 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

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee:

Bridgeport Hospital

Application Dated:

5/20/85

Control No.:

03859

License No.:

06-01060-01

2. FEE ATTACHED

Amount:

\$120.00

Check No.:

188201

3. COMMENTS

Signed

Brenda Platchek

Date

5/28/85

B. LICENSE FEE MANAGEMENT BRANCH

1. Fee Category and Amount:

7C #120

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

Amendment

✓

Renewal

License

Signed

Frances Brown

Date

6/6/85

108  
6/6/85