

AUG 25 1982

St. Peter's Community Hospital

2475 Broadway, Helena, Montana 59601 • Telephone 406/442-2480

August 18, 1982



United States Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Frank C. Davis
Material Licensing Branch
Division of Fuel Cycle and
Material Safety

This is in reference to information requested for your evaluation of our
radiation survey report, reference control # 09893.

To address information requested, responses are as follows:

1. Model Number NPI 20 4500W
November 1, 1981
4110 Curies
2. November 3, 1981.
3. Nuclear Chicago "Cutie Pie" 2570.
October 15, 1981
Rod Wimmer, Ph.D.
Calibration procedures are on file under license number 25-0337-03.
4. a. Kiethley 602
Baldwin Farmer .6 cc. ionization chamber
b. Calibrated July 1980 at an RCL, M.D.Anderson Hospital, Houston, Tx.
5. Electrical stops are installed to limit the source on position to -15° to
+95° (east wall is -15°, west wall is 95°).
6. There is no integral beam stopper for this machine.

E	North wall (90° scattered radiation)	.1 mR/hr.
W	South wall (90° scattered radiation)	.1 mR/hr.
S	East wall (machine set so it is 15° off vertical)	.1 mR/hr.
N	West wall (wall at grade level)	not done.
	Ceiling (90° scattered radiation)	.1 mR/hr.
7. a. With source in the "on" position the treatment door was opened. The
source returned to the off position.

8508300134 850626
REG4 LIC30
25-12453-03 PDR

COPIES SENT TO OFF. OF
INSPECTION AND ENFORCEMENT

*His
Diagnosis
Moved
Up*

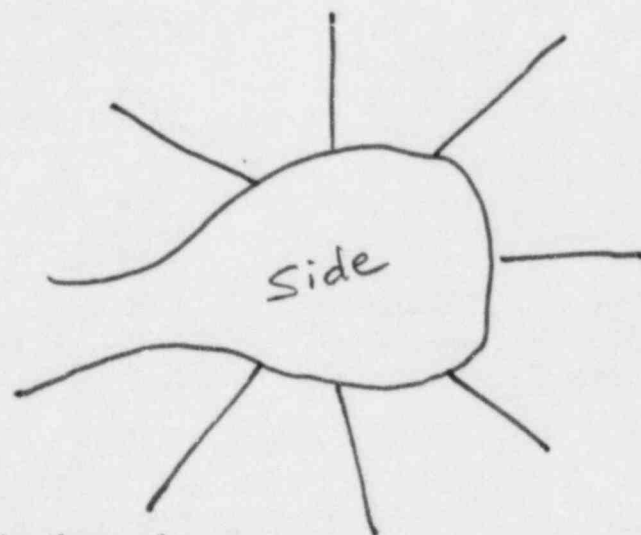
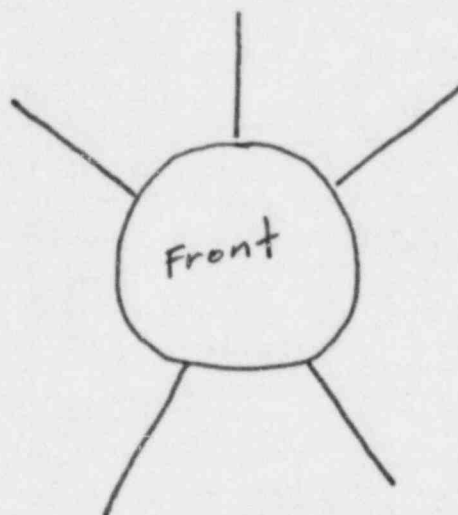
60 cm + 17

August 18, 1982

Page 2

- b. Source on mechanical and electrical indication verified with the calibration chamber during the calibration. ✓
- c. Following the verification of the mechanical and electrical source indicators, the head was rotated toward the east wall. At 15° the source would come on, at 17.5° the source would not. The head was rotated toward the west wall until 95° and the source would come on, at 97° the source would not. ✓
- d. A treatment time of 1 minute was set and the source turned on, at the end of the exposure the source went off and several attempts were made to turn the source on without resetting the timer. The source would not come on until the timer was reset.

8.

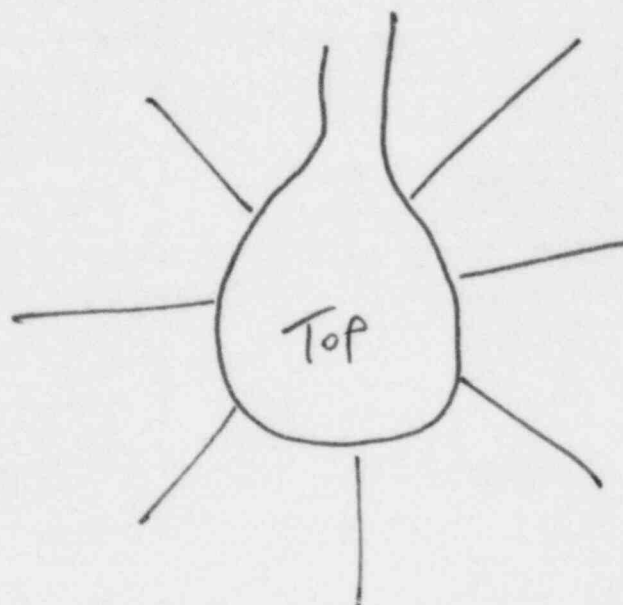


The leakage measurements were taken in these planes.

Prepared by Rod Wimmer, Ph.D.

Duane Durkee, R.T.
Duane Durkee
Department Head Radiology

Howard Purcell
Howard Purcell
Hospital Administrator



Did 9/21

3. Tree and Decking

1. N-S deck

2. Rad bar at West end

4. Door into dock -
red + vent pipe

5. On - off - deck

6. Verify L/M beam stops
install

7. Confirm prin. beam that
be put at ceiling as

after in survey report rec'd 12/24/10

St. Mary → 9/24

Cler → 9/27

but → 9/29