

AUG 25 1980

FCMLB: FAS
030-00404
(03152)

Lutheran Medical Center
ATTN: Hospital Administrator
2609 Franklin Boulevard
Cleveland, OH 44113

Gentlemen:

This is in reference to a report dated March 19, 1980, signed by Theodore J. Castele, M.D., describing the results of a radiation survey of your cobalt-60 teletherapy unit. In order to complete our evaluation of the report, we need the following additional information.

1. The report indicates that a Victoreen Model 444 survey meter was used to make the radiation survey measurements. Please specify the date on which this instrument was last calibrated prior to use in this survey.
2. The report of radiation levels in adjacent areas did not contain the measurements for points G and H. Please report the results of these measurements.
3. A standard teletherapy license condition requires that all unrestricted areas meet the requirements of Section 20.105(b) of 10 CFR Part 20. This regulation requires that if a person is continually present, he will not receive more than 2 millirems in any one hour or more than 100 millirems in any seven consecutive days. You have reported a maximum of 7.8 millirems per hour outside the NW wall, an unrestricted area.

Please clearly indicate how you will comply with our regulations and the terms of your license. The enclosed Discussion of Restricted and Unrestricted Areas for Teletherapy Licensees may be of assistance to you by explaining our requirements for these areas.

4. Although you indicate that the teletherapy treatment timing device operates properly, you have not described the tests that were conducted to ensure its proper operation. Please describe the tests that were conducted to ensure proper operation of the teletherapy treatment timing device. In addition to demonstrating timer accuracy, your tests should be sufficient to show that the source returns to the "off" position at the end of the preset time and that the source will not return to the "on" position until the timer is reset.

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Please submit the above information in duplicate within thirty (30) days so that we may complete our evaluation of your report. Your response should reference Control No. 03152.

Sincerely,

Francis A. St. Mary
Material Licensing Branch
Division of Fuel Cycle and
Material Safety

Enclosures:

1. Discussion of Restricted
and Unrestricted Areas
for Teletherapy Licensees
2. NUREG-0339

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