

NOV 2 1982

St. Mary's Hospital
ATTN: Mr. Terry Schuessler
Administrator
111 East Spring Street
Streator, Illinois 61364

License No. 12-03391-01
License No. 12-03391-03

Gentlemen:

This refers to the routine safety inspection conducted by Messrs. J. R. Madera and W. J. Slawinski of this office on October 13 and 14, 1982, of activities authorized by NRC Byproduct Material Licenses No. 12-03391-01 and No. 12-03391-03 and to the discussion of our findings with James Lansford, Dr. Ted Wagenknecht and Mark Richard at the conclusion of the inspection.

The inspection was an examination of activities conducted under your license as they relate to radiation safety and to compliance with the Commission's rules and regulations and with the conditions of your license. The inspection consisted of a selective examination of procedures and representative records, observations, independent measurements, and interviews with personnel.

This inspection also included a measurement of the output of your teletherapy equipment. Our measurement was made using a Victoreen Model 570 Condenser R-Meter with Model 621 chamber, calibrated by the National Bureau of Standards Laboratory. The source-to-chamber distance was 80 centimeters and the field size used was ten by ten centimeters. After applying standard correction factors for temperature, pressure, timer error, and chamber factor, our measurement of the output of your teletherapy equipment was 68.7 roentgens per minute in air. The most recent full calibration of your teletherapy equipment, conducted on November 13, 1981, reported a measured output for the same exposure parameters of 78.0 roentgens per minute. Applying a correction factor to account for 11 months decay, the value calculated from the November 13, 1981, calibration becomes 69.1 roentgens per minute.

Based on the close agreement in measured output values, we feel the actual output of your teletherapy equipment to be within established guidelines of ± 5 percent.

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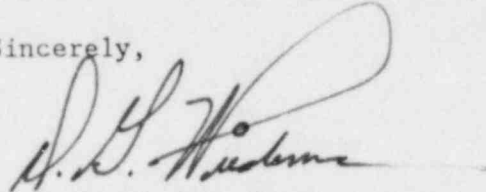
In addition to the above areas, the inspectors examined actions described in your letter dated November 6, 1979, regarding apparent items of noncompliance found during our September 27, 1979, inspection. We have no further questions regarding these matters.

During this inspection, certain of your activities appeared to be in non-compliance with NRC requirements, as specified in the enclosed Appendix. A written response is required.

The responses directed by this letter (and the accompanying Notice) are not subject to the clearance procedures of the Office of Management and Budget as required by the Paperwork Reduction Act of 1980, PL 96-511.

We will gladly discuss any questions you have concerning this inspection.

Sincerely,



D. G. Wiedeman, Chief
Materials Radiation Protection
Section 1

Enclosure: Appendix,
Notice of Violation

cc w/encl:
Mr. Mark Richard, Chief NMT.
DMB/Document Control Desk (RIDS)

RIII

Madera/sv
10/25/82

RIII

Wiedeman

10/29/82