

SEP 8 1982

St. Joseph's Hospital
ATTN: Mr. Gerard Frawley
President
69 West Exchange Street
St. Paul, MN 55102

34-2200
License No. 22-01448-01
License No. 22-01448-03 30-270

Gentlemen:

This refers to the routine safety inspection conducted by Mr. J. L. Lynch of this office on August 9, 1982, of activities authorized by NRC Byproduct Material Licenses No. 22-01448-01 and No. 22-01448-03 and to the discussion of our findings with Mr. F. J. Wiesner and other members of your staff 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 10 by 10 centimeters. After applying standard correction factors for temperature, pressure, attenuation, inverse square, timer error, and roentgen-to-rad conversion, our measurement of the output of your teletherapy equipment was 74.4 rads per minute at the point of maximum buildup in a muscle miniphantom. The most recent full calibration of your teletherapy equipment, conducted on February 15, 1982, reported a measured output for the same exposure parameters of 79.3 rads per minute. Applying a correction factor to account for 175 days decay, our measurement becomes 79.3 rads 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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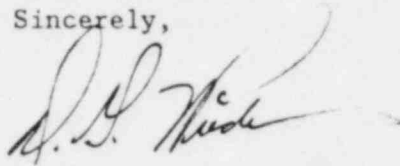
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During this inspection, certain of your activities appeared to be in non-compliance with NRC requirements, as specified in the enclosed Appendix. A written response is required.

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, PI 96-511.

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

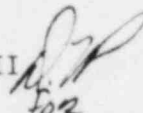
Sincerely,



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

Enclosure: Appendix,
Notice of Violation

cc w/encl:
Allen Bergh, M.D.
Radiation Safety Officer
DMB/Document Control Desk (RIDS)

RIII 
for
Lynch/jp
8/28/82

RIII 
Wiedeman
9/8/82