

DEC 2 1982

St. Catherine's Hospital
ATTN: Mr. Richard Berger
Administrator
3556 Seventh Avenue
Kenosha, WI 53140

License No. 48-01670-01 30-3420
License No. 48-01670-02 20-537

Gentlemen:

This refers to the routine safety inspection conducted by Messrs. J. R. Madera and D. R. Gibbons of this office on November 15 and 19, 1982, of activities authorized by NRC Byproduct Material Licenses No. 48-01670-01 and No. 48-01670-02 and to the discussion of our findings with you 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 80.5 centimeters and the field size used was ten by ten centimeters. After applying standard correction factors for temperature, pressure, attenuation, backscatter, timer error, chamber factor, roentgen-to-rad conversion, our measurement of the output of your teletherapy equipment was 134.2 rads per minute at the point of maximum buildup in a muscle/miniphantom. The most recent full calibration of your teletherapy equipment, conducted on November 6, 1982, reported a measured output for the same exposure parameters of 138.4 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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No items of noncompliance with NRC requirements were identified during the course of this inspection.

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

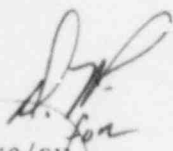
Sincerely,



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

cc: Jo Holmstrom, R.T., Supervisor
Kim Shearer, CNMT
DMB/Document Control Desk (RIDS)

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