

DEC 15 1982

Trinity Memorial Hospital
ATTN: Mr. Paul Steffes
Administrator
5900 S. Lake Drive
Cudahy, WI 53110

License No. 48-08325-01
License No. 48-08325-02

Gentlemen:

This refers to the routine safety inspection conducted by Messrs. J. R. Madera and D. R. Gibbons of this office on November 16, 1982, of activities authorized by NRC Byproduct Material Licenses No. 48-08325-01 and No. 48-08325-02 and to the discussion of our findings with Messrs. Steven Hopper and Gary Hees 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, backscatter, timer error, chamber factor, roentgen-to-rad conversion, our measurement of the output of your teletherapy equipment was 132.5 rads per minute at the point of maximum buildup in a muscle mini-phantom. The most recent full calibration of your teletherapy equipment, conducted on September 28, 1982, reported a measured output for the same exposure parameters of 135.2 rads per minute. Applying a correction factor to account for 49 days decay, the value calculated from the September 28, 1982 calibration becomes 132.8 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.

8212210382 821215
NMS LIC30
48-08325-01 PDR

IE HQ FILE COPY

DMB: IE07

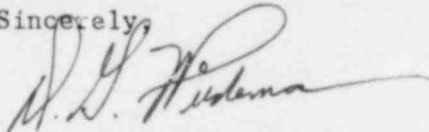
DEC 15 1982

During the inspection of License No. 48-08325-02, our inspectors noted that the leak test certifications for the new cobalt-60, (8,970 curie) teletherapy source was documented with the old cobalt-60, (5,146 curie) teletherapy source information and description. Apparently this was an error made by your consulting firm performing the tests, because the old source is no longer in your possession. We are concerned about the misinformation on the leak test certificate. Please describe your actions to ensure that the proper information on your existing cobalt-60 teletherapy source is placed on the leak test certificates.

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: Gary Hees, Manager
Radiology Dept.
DMB/Document Control Desk (RIDS)

RIII
Jem
Madera/jp
12/1/82

RIII
GA
Gibbons

RIII
D.G.
Wiedeman
12/13/82