



UNITED STATES
 NUCLEAR REGULATORY COMMISSION
 REGION III
 799 ROOSEVELT ROAD
 GLEN ELLYN, ILLINOIS 60137

JUL 2 1981

Mary Greely Memorial Hospital
 ATTN: Dr. John Worley
 Administrator
 117 Eleventh Street
 Ames, Iowa 50010

License No. 14-15767-01
 License No. 14-15767-02

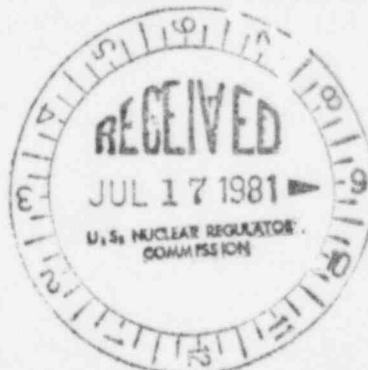
Gentlemen:

This refers to the routine safety inspection conducted by Dr. W. J. Adam and Mr. J. L. Lynch of this office on June 24, 1981, of activities at Mary Greely Memorial Hospital authorized by NRC Byproduct Material Licenses No. 14-15767-01 and No. 14-15767-02 and to the discussion of our findings with Mr. Paul Anderson and Mr. S. Brian Smith 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, and time error, our measurement of the output of your teletherapy equipment was 69.2 roentgens per minute in air. The most recent monthly spot check of your teletherapy equipment, conducted on June 15, 1981, reported a measured output for the same exposure parameters of 71.0 roentgens per minute. Applying a correction factor to account for nine days decay, the value calculated from the June 15, 1981 calibration becomes 70.8 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.



*IF07
S/11*

8107200352 810702
 NMS LIC30
 14-15767-01 PDR

JUL 2 1981

During this inspection, certain of your activities conducted under License No. 14-15767-01 appeared to be in noncompliance with NRC requirements, as specified in enclosed Appendix A. A written response, submitted under oath or affirmation, is required.

No apparent items of noncompliance were identified under License No. 14-15767-02.

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

Sincerely,

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

Enclosure: Appendix A,
Notice of Violation

cc w/encl:
DMB/Document Control Desk (RIDS)

RIII
WJA
Adam/so
7/1/81

RIII
JL
Lynch
7/1/81

RIII
D.G.W.
Wiedeman
7/2/81