SEP 8 1982

Metropolitan Medical Center
ATTN: Ms. Jacqueline Braxtan
Associate Administrator
900 South Eight Street
Minneapolis, MN 55404

License No. 22-13859-01
License No. 22-13859-02

030905/
031225/

Dear Ms. Braxtan:

This refers to the routine safety inspection conducted by Mr. J. L. Lynch of this office on August 12 and 13, 1982, of activities authorized by NRC Byproduct Material Licenses No. 22-13859-01 and No. 22-13859-02 and to the discussion of our findings with you and 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 109.7 rads per minute at the point of maximum buildup in a muscle miniphantom. The most recent full calibration of your teletherapy equipment, conducted on August 6, 1982, reported a measured output for the same exposure parameters of 112.4 rads per minute. Applying a correction factor to account for 6 days decay, our measurement becomes 109.9 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.

DMB:IE07

In addition to the above areas, the inspector examined actions described in your letter dated January 18, 1980, regarding apparent items of noncompliance found during our December 1979 inspection. We have no further questions regarding these matters.

During this inspection, certain of your activities under License No. 22-13859-01 appeared to be in noncompliance with NRC requirements, as specified in the enclosed Appendix and a written response is required. No items of noncompliance were identified for License No. 22-13859-02.

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:
Joseph Giganti, Ph.D.
Radiation Safety Officer
Manouchehr Azad, M.D.
Radiation Therapy Director
Quentin Anderson, M.D.
Director of Nuclear Medicine
DMB/Document Control Desk (RIDS)

RIII
Lynch/np
9/2/82

RIII
Wiedeman
9/3/82