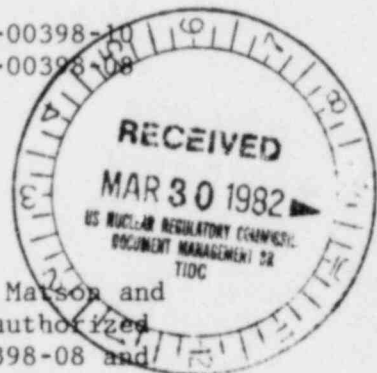


MAR 22 1982

Saint Luke Hospital  
ATTN: Mr. David Youngdahl  
President  
11211 Shacker Boulevard  
Cleveland, OH 44104

License No. 34-00398-10  
License No. 34-00398-08



Gentlemen:

This refers to the routine safety inspection conducted by Ms. E. Matson and Mr. J. R. Madera of this office on March 4, 1982, of activities authorized by NRC Byproduct Material Licenses No. 34-00398-10 and No. 34-00398-08 and to the discussion of our findings with you and Mr. Jim Miller 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, timer error, and chamber factor, our measurement of the output of your teletherapy equipment was 97.34 roentgens per minute in air. The most recent full calibration of your teletherapy equipment, conducted on February 19, 1982, reported a measured output for the same exposure parameters of 96.79 roentgens per minute. Applying a correction factor to account for 13 days decay, the value calculated for the February 19, 1982, calibration becomes 96.34 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  $\pm 5$  percent.

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MAR 22 1982

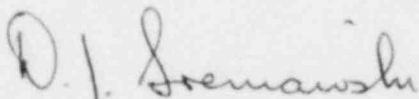
This inspection included a review of corrective action taken in response to our inspection conducted on August 22, 1978. We have no further questions in regard to these matters.

During this inspection, no items of noncompliance were identified for license No. 34-00398-10; however, for License No. 34-00398-08, certain of your activities appeared to be in noncompliance with NRC requirements, as described in the enclosed Appendix. A written response, submitted under oath or affirmation, is required. Items 1 and 2 specified in the enclosed Appendix occurred before NRC adopted the Interim Enforcement Policy published in the Federal Register Notice (45 FR 66754) dated October 7, 1980; therefore the items are classified in accordance with enforcement criteria then in effect. Had the overexposures described in the Appendix occurred during this period, the new enforcement policy would have probably resulted in a civil penalty.

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. J. Sreniawski, Chief  
Materials Radiation Protection  
Section 2


Enclosure: Appendix,  
Notice of Violation

cc w/encl:


Mr. Jim Miller, Admin. Asst.  
Radiology

Mr. James P. Mamacos, Physicist  
DMB/Document Control Desk (RIDS)

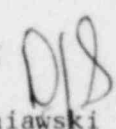
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Matson  
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Sreniawski  
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