

JUN 14 1994

General Electric Company  
Lighting Environmental, Health &  
Safety Department  
ATTN: A. M. Zielinski  
1975 Noble Road, Nela Park  
Cleveland, OH 44112-6300

License No. 34-00054-05  
Docket No. 030-05605  
License No. 34-00054-06  
Docket No. 030-05606

Dear Mr. Zielinski:

This refers to the routine safety inspection conducted by Messrs. W. Slawinski and R. Gattone of this office on April 20 and 21, 1994, of activities authorized by NRC Byproduct Material License Nos. 34-00054-05 and 34-00054-06, 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.

During this inspection, certain of your activities were found to be in violation of NRC requirements, as specified in the enclosed Notice. A written response is required.

In addition to our concern for the violations described in the enclosed Notice, the inspectors also identified a concern associated with the operation of a nuclear gauging device in a temperature environment other than that intended by the device manufacturer. Specifically, on December 14, 1987, a Nuclear Research Corporation Model SH-302 gauge housing a nominal three curie cesium-137 sealed source was subjected to temperatures in excess of manufacturer recommendations, partially melting the device's radiological (lead) shielding. Although the elevated temperature was apparently caused primarily by damage to a glass furnace which was beyond your control, a containment (shroud) your staff constructed around the gauging device contributed to the temperature problem. The shroud likely concentrated the heat from the furnace around the device and hindered convection cooling. Consequently, in addition to your response to the specific violations, please also describe the actions taken or planned to ensure gauging devices are installed and operated in environments which satisfy manufacturer recommendations, and are not altered without manufacturer approval.

In accordance with 10 CFR 2.790 of the Commission's regulations, a copy of this letter, the enclosure, and your response to this letter will be placed in the NRC Public Document Room.

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The response 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,

Original Signed by B. J. Holt

B. J. Holt, Chief  
Nuclear Materials Inspection  
Section 1

Enclosure: Notice  
of Violation

bcc w/enclosure:  
PUBLIC

RIII *(initials)*  
*WAL*  
Slawinski/sd  
05/25/94

RIII *(initials)*  
*BB*  
Gattone  
5-26-94

RIII  
*B. J. Holt*  
Holt  
6/14/94