



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

8005070653

MAR 20 1980

Isotope Measurements Laboratories,  
Incorporated  
ATTN: Theodore Fields  
President  
3304 Commercial Avenue  
Northbrook, IL 60062

License No. 12-13568-01

Gentlemen:

This refers to the inspection conducted by Ms. N. A. Nicholson and Mr. C. T. Oberg of this office on February 15, 1980, of activities at Isotopes Measurements Laboratories, Incorporated, authorized by NRC Byproduct Materials License No. 12-13568-01, and to the discussion of our findings with you and others of your staff at the conclusion of the inspection.

This also refers to the receipt of your evaluation report dated February 21, 1980, in which you concluded that the November, 1979, reading from an overexposed, whole body, film badge, was not indicative of an individual's exposure.

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 appeared to be in noncompliance with NRC requirements, as described in the enclosed Appendix A.

In addition to the foregoing, we have identified an unresolved item regarding the elution of generators and transport of technetium-99m between hospitals under service contract with your corporation. We understand you are performing this service based upon an interpretation of the Rules and Regulations received by you in a letter dated March 31, 1971, from the Assistant Chief, Materials Branch, Division of Materials Licensing, of the United States Atomic Energy Commission (AEC). Because this interpretation was made almost nine years ago, the fact that many changes have been made in the (AEC) NRC Rules and Regulations during the interim period, and in view of the statements made in the disapproval of amendment request letter dated April 27, 1979, received by you from the NRC License Management Branch, Division of Fuel Cycle and Material Safety, we believe that a current evaluation and interpretation of this particular phase of your operation must be made. Accordingly, this unresolved item has been forward-

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ed to NRC Headquarters for interpretation. Further notification will be made to you as appropriate and consistent with the results of this interpretation.

This notice is sent to you pursuant to the provisions of Section 2.201 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations. Section 2.201 requires you to submit to this office within twenty days of your receipt of this notice a written statement or explanation in reply, including for each item of noncompliance: (1) corrective action taken and the results achieved; (2) corrective action to be taken to avoid further noncompliance; and (3) the date when full compliance will be achieved.

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

Sincerely,

*Carl J. Papariello*

*for* A. B. Davis, Chief  
Fuel Facility and Materials  
Safety Branch

Enclosure: Appendix A,  
Notice of Violation

cc w/encl:  
Mr. William R. Rivkin, Secretary-  
Treasurer  
Central Files  
Reproduction Unit NF 20b  
PDR  
NSIC

RIII

*Nicholson*  
Nicholson/pd  
3/5/80

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*Oberg*  
Oberg

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Papariello

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*Davis*  
Davis

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