

Appendix

NOTICE OF VIOLATION

Isotopes Measurements Laboratory, Inc.

License No. 12-13568-01

License No. 12-13568-02

As a result of the inspection conducted on December 9, 13, and 14, 1982, and in accordance with the NRC Enforcement Policy, 47 FR 9987 (March 9, 1982), the following violations were identified:

License No. 12-13568-01

1. License Condition Nos. 6F, 7F, and 8F require that the maximum amount of cesium-137 that the licensee may possess at any one time in the form of sealed sources is 200 microcuries (μCi).

Contrary to this requirement, from January 1981 to the dates of this inspection, the licensee has had several cesium-137 sealed sources on inventory. The total activity of these sources has been significantly in excess of 200 μCi . Specifically, the NRC inspector noted that the licensee was in possession of cesium-137 sealed sources in the order of 600 μCi , an amount not authorized by this licensee.

This is a Severity Level IV violation (Supplement VI).

2. License Condition Nos. 6, 7, and 8 of this license state the kind, form and quantity of byproduct materials that are authorized to be possessed by the licensee.

Since January 1982 to the dates of this inspection, the licensee has possessed a 287 microcurie (9/22/81) sealed source of barium-133 on inventory. Specifically, barium-133 is not authorized by this license.

This is a Severity Level IV violation (Supplement VI).

License No. 12-13568-02

3. License Condition No. 14 states the licensee shall possess and use licensed material in accordance with statements, representations, and procedures contained in letter dated February 15, 1982, and attachments. Paragraph B.1. of the attachments delineates the procedure presently used by the licensee to determine the quarterly linearity of the dose calibrator. The procedure specifies that the technetium-99m (Tc-99m) activity will be assayed at 0, 6, 24, 30, and 48 hour intervals.

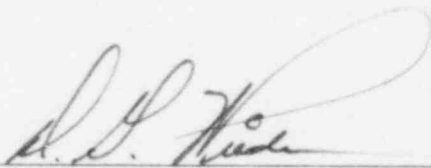
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Contrary to this requirement, since 1980 to the dates of this inspection the licensee has not always assayed the Tc-99m at 24 and 30 hour intervals because of the unavailability of the Technologist to perform the assay.

This is a Severity Level IV violation (Supplement VI).

Pursuant to the provisions of 10 CFR 2.201, you are required to submit to this office within thirty days of the date 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. Consideration may be given to extending your response time for good cause shown.

Date 1-6-83



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