

APPENDIX A

NOTICE OF VIOLATION

Gamma Diagnostic Laboratories  
Attleboro Falls, Massachusetts 02763  
License No. 20-15215-01

Docket No. 30-8748

Based on the results of an NRC inspection conducted on March 2 and 3, 1980, it appears that certain of your activities were not conducted in full compliance with NRC regulations and the conditions of your license as indicated below:

- A. 10 CFR 20.201(b), requires you to make such surveys as may be necessary for you to comply with all sections of Part 20.

Contrary to this requirement, during the period January 15 to 31, 1980, you failed to make such surveys as were necessary to determine that an individual who handled significant quantities of molybdenum-99/technetium-99m was not exposed to airborne concentrations exceeding the limits specified in 10 CFR 20.103, "Exposure of individuals to concentrations of radioactive materials in restricted areas." Specifically, no surveys of airborne radioactivity were conducted during an operation requiring entry into your hot cells. In addition no bioassay was performed on the individual making the hot cell entry.

This is an infraction.

- B. 10 CFR 20.105(b) requires that radiation levels in unrestricted areas be limited so that if an individual were continuously present in the area, he could not receive a dose in excess of 2 millirems in any hour or 100 millirems in any seven consecutive days.

Contrary to this requirement, records of your surveys in the unrestricted office area of your facility showed that radiation levels routinely existed such that if an individual were continuously present he could receive a dose in excess of 100 millirems in seven consecutive days.

This is an infraction.

- C. Condition 14 of your license requires that licensed material be possessed and used in accordance with statements, representations, and procedures contained in your applications dated May 17, 1972, October 3, 1975, November 3, 1975, January 26, 1976, February 7, 1977, May 23, 1977, and July 13, 1977.

1. Attached to your application dated May 23, 1977 is your document titled, "Radiation Safety Manual." The section of this manual titled,

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"Restricted Area Regulations", page 6, requires that personnel leaving the restricted area monitor their hands and feet before leaving.

Contrary to this requirement, on March 2 and 3, 1980, personnel leaving your restricted area did not monitor their feet before leaving.

2. Item 3, page 13, of your "Radiation Safety Manual," requires that all personnel engaged in work with radioactive materials submit yearly urine samples for radionuclidic analysis.

Contrary to this requirement, as of March 3, 1980, two individuals working in your hot cell area had not submitted urine samples during 1979 or 1980.

These are infractions.

- D. License Condition 13 requires that licensed material be transported in accordance with the provisions of 10 CFR 71.5. 10 CFR 71.5(a) requires, in part, that transportation of licensed material be made in accordance with the applicable requirements of the Department of Transportation in 49 CFR 170-189.

49 CFR 178.350-3, "Specification 7A, general packaging, Type A - Marking," requires, in part, that the outside of each packaging be marked: "USA DOT 7A Type A."

Contrary to this requirement, on March 3, 1980, packages containing Type A quantities of radioactive material did not bear the required marking.

This is a deficiency.