

APPENDIX A

NOTICE OF VIOLATION

Deborah Research Institute
Browns Mills, NJ 08015-1799

Docket No. 030-19354
License No. 29-20513-01

During an NRC inspection conducted on February 22, 1994, violations of NRC requirements were identified. In accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions," 10 CFR Part 2, Appendix C, the violations are listed below:

- A. Item 7 of the application dated November 28, 1986, indicates that John Bianchi, Ph.D. will be the Chief Radiation Protection Officer (RPO).

Contrary to the above, between May 1990 and February 1991, John Bianchi, Ph.D. was not the Chief RPO. Specifically, John Bianchi was not employed by the licensee during this time period.

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

- B. Item 10.1 (Section B, No. 12) of the application dated April 27, 1992, requires the Radiation Protection Officer (RPO) to maintain an inventory of all radioisotopes at the institution and limit the quantity of radionuclides at the institution to the amounts authorized by the license.

Contrary to the above, as of February 22, 1994, the RPO did not maintain an inventory of all radioisotopes at the institution. Specifically, the RPO did not provide a total of radioactive material at the institution.

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

- C. Item 10.2 (Sections A and B) of the application dated April 27, 1992 and Item 10.2 (Sections A and B) of the letter dated May 5, 1993, requires individuals to be informed on the basic knowledge about radioactive materials, working around radioactive materials, the meaning of signs and labels, restricted areas, safety precautions, radiation physics, basic principles in radiation protection, measurement of radioactivity, radiation biology and comparative risk of low level radiation, radiopharmaceutical chemistry, procedure manual for handling radioactive materials and where and how to obtain assistance before starting to work with radioactive materials.

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Contrary to the above, as of February 22, 1994, individuals were not informed on the basic knowledge about radioactive materials, working around radioactive materials, the meaning of signs and labels, restricted areas, safety precautions, radiation physics, basic principles in radiation protection, measurement of radioactivity, radiation biology and comparative risk of low level radiation, radiopharmaceutical chemistry, procedure manual for handling radioactive materials and where and how to obtain assistance before starting to work with radioactive materials. Specifically, a researcher working in the Molecular Biology Laboratory stated, that she never received radiation safety training prior to working with radioactive materials at the licensee's facility.

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

- D. Item 10.5 (Section entitled: Surveys of Laboratories Using Radioactive Materials) of applications dated April 27, 1992, November 28, 1986, and letters dated May 5, 1993 and December 8, 1992, require that a radiation survey be performed and recorded at least once a month in areas where radioactive materials are used. The RPO requires a weekly survey in laboratories using radioactive materials daily and a survey at the end of each procedure involving millicurie amounts of radionuclides.

Contrary to the above, prior to November 11, 1991, the licensee did not perform nor record radiation surveys at least once a month in areas where radioactive materials are used. Specifically, between March 1989 and November 1991, surveys of laboratories where RAM was used were not performed on a monthly basis as required.

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

Pursuant to the provisions of 10 CFR 2.201, Deborah Research Institute is hereby required to submit a written statement or explanation to the U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, D.C. 20555, with a copy to the Regional Administrator, Region I, within 30 days of the date of the letter transmitting this Notice of Violation (Notice). This reply should be clearly marked as a "Reply to a Notice of Violation" and should include for each violation: (1) the reason for the violation, or, if contested, the basis for disputing the violation, (2) the corrective steps that have been taken and the results achieved, (3) the corrective steps that will be taken to avoid further violations, and (4) the date when full compliance will be achieved. If an adequate reply is not received within the time specified in this Notice, an order or a Demand for Information may be issued to show cause why the license should not be modified, suspended, or revoked, or why such other action as may be proper should not be taken. Where good cause is shown, consideration will be given to extending the response time.