

APPENDIX A
NOTICE OF VIOLATION

Jersey Shore Medical Center
Neptune, New Jersey 07753

Docket Nos. 030-02448
030-29116
License Nos. 29-02234-02
29-02234-03

As a result of the inspection conducted on September 20, 1988, and in Statement of Policy and Procedure for NRC Enforcement Actions," 10 CFR Part 2, Appendix C (Enforcement Policy) (1988), the following violations were identified:

- A. 10 CFR 20.201(b) requires that each licensee make such surveys as may be necessary to comply with all sections of Part 20. As defined in 10 CFR 20.201(a), "survey" means an evaluation of the radiation hazards incident to the production, use, release, disposal, or presence of radioactive materials or other sources of radiation under a specific set of conditions.

Contrary to the above, as of September 20, 1988, no survey (evaluations) were performed to assure compliance with 10 CFR 20.101. Specifically, the dose to the extremities of an employee whose ring badge had been assigned and returned for September 1987 but was not processed by your film badge supplier was not evaluated.

Additionally, as of September 20, 1988, no radiation surveys had been made to evaluate personnel exposures to individual nurses caring for patients receiving radioactive implants. Film badges were assigned to the floor and nursing personnel shared these badges.

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

- B. 10 CFR 35.632(f) requires, for teletherapy units, that full calibration measurements and physical decay corrections required by 10 CFR 35.632(e) be performed by the licensee's teletherapy physicist.

10 CFR 35.634(c) requires that monthly spot checks on teletherapy units not performed by the teletherapy physicist be reviewed by the teletherapy physicist within 15 days after performance of the checks.

Contrary to the above, the person who performed the full calibration of your teletherapy unit in June 1988 was not authorized as teletherapy physicist for your facility and the monthly spot checks were not reviewed by your named teletherapy physicist.

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

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C. Condition 16 of License No. 29-02234-02 requires that licensed material be possessed and use in accordance with statements, representations and procedures contained in an application dated May 30, 1979, and letter dated March 4, 1986 and January 2, 1987.

1. Item 14 of the application dated May 30, 1979, requires that packages containing radioactive material be opened in accordance with the procedures in Appendix F of Regulatory Guide 10.8 (Rev. I).

Item 6 of Appendix F requires that the external surface of the final source container be wiped to check for contamination.

Contrary to the above, as of September 20, 1988, monitoring of packages containing radioactive materials frequently did not include the required wipe of the final source container.

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

2. Item No. 1 of the letter dated March 4, 1986, requires that calibration procedures for the dose calibrator follow Regulatory Guide 10.8. Item A.1. of Appendix D, Section 2 of Regulatory Guide 10.8 requires that the dose calibrator be checked for constancy daily. Item G.5. of Appendix D, Section 2 of Regulatory Guide 10.8 requires that the licensee keep a log of the dose calibrator accuracy check, and Item 10 of the letter dated January 2, 1987, includes the form to be used when performing the daily dose calibrator constancy test. This form requires that the calculated activity for the cobalt-57 and cesium-137 sources be entered on the form along with the measured values for these sources. Then the % variation between the calculated and measured values is to be determined and recorded on the form.

Contrary to the above, on September 20, 1988, the technologist was unaware of the required procedure and the form used for documenting the constancy test results. Therefore, the constancy test was not performed as required. In addition, the test was not performed on September 15, 16, and 20, 1988, and a log was not maintained of the accuracy check.

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

Pursuant to the provisions of 10 CFR 2.201, Jersey Shore Medical Center is hereby required to submit to this office within thirty days of the date of the letter which transmitted this Notice, a written statement or explanation in reply, including: (1) the corrective steps which have been taken and the results achieved; (2) corrective steps which will be taken to avoid further violations; and (3) the date when full compliance will be achieved. Where good cause is shown, consideration will be given to extending this response time.