

APPENDIX A

NOTICE OF VIOLATION

Carolina Power and Light Company  
Brunswick 1 and 2

Docket Nos. 50-325 and 50-324  
License Nos. DPR-62 and DPR-71

As a result of an investigation conducted during the period November 16, 1980 through May 8, 1981, and in accordance with the Interim Enforcement Policy, 45 FR 66754 (October 7, 1980), the following violations were identified.

- A. 10 CFR 20.201(b) requires each licensee to make or cause to be made such surveys as may be necessary for him to comply with the regulations of Part 20. 10 CFR 20.201(a) states that "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. When appropriate, such evaluation includes a physical survey of the location of materials and equipment, and measurements of levels of radiation or concentrations of radioactive material present. 10 CFR 20.106(a) states that a licensee (1) shall not possess, use, or transfer licensed material so as to release to an unrestricted area radioactive material in concentrations which exceed the limits specified in Appendix "B", Table II of Part 20.

Contrary to the above, as of October 1980 the licensee had not performed surveys or evaluations to ensure that the concentrations of radioactive material released to unrestricted areas as the result of tube leaks in the auxiliary boilers on February 27-28, February 29 - March 2, March 3-6, March 8-10, and March 12-13, 1980, did not exceed the limits specified in Appendix "B", Table II of Part 20.

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

- B. Technical Specifications, Appendix B, Section 3.5.2.b requires that gaseous releases to the environment from the two reactor building vents, the two turbine building vents, and the off-gas vent (stack), shall be continuously monitored for gross radioactivity. Whenever these monitors are inoperable grab samples shall be taken and analyzed daily for gross gaseous radioactivity.

Contrary to the above, the requirements for monitoring gaseous radioactivity releases were not met in that:

1. The Unit 1 reactor building vent monitor was operated without a filter for collecting particulate radioactivity from 8:36 a.m. on December 11, 1980 until 11:19 a.m. on December 15, 1980. Daily grab samples were not taken during this period.

2. The main off-gas vent (stack) monitor was inoperable due to a pump malfunction from 5:36 p.m. on December 15, 1980 to 2:05 p.m. on December 22, 1980. Daily grab samples were not taken during this period.
3. The Unit 2 reactor building vent monitor was found not to be monitoring the exhaust stream on November 16, 1980 due to inadequate maintenance. This condition existed for an undeterminable period of time, but which was in excess of twenty-four hours. Daily grab samples were not taken during this period.
4. The Unit 1 reactor building vent monitor and the Units 1 and 2 turbine building vent monitors were found not to be monitoring the appropriate exhaust stream on November 17, 1980 due to inadequate maintenance. This condition existed for an undeterminable period of time, but which was in excess of twenty-four hours. Daily grab samples were not taken during this period.

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

- C. Technical Specifications, Appendix B, Section 3.5.1.d requires that radioactivity in liquid wastes be continuously monitored and recorded during release.

Contrary to the above, the requirements for continuously monitoring and recording the radioactivity in liquid waste were not met, in that:

1. Liquid waste containing radioactivity was released from the facility's storm drain system to a stabilization pond from April 1978 until July 1980 without continuously monitoring and recording the radioactivity level.
2. Liquid waste containing radioactivity was released from the overflow structure of the storm drain catch basin to the discharge canal through cracks in the wall of the overflow structure from May 1980 until November 1980 without continuously monitoring and recording the radioactivity level.

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

- D. 10 CFR 50.72(a), requires that each licensee of a nuclear power reactor licensed under 50.21 or 50.22 notify the NRC Operations Center as soon as possible and in all cases within one hour by telephone of the occurrence of any of significant events including, any accidental, unplanned or uncontrolled radioactive release.

Contrary to the above, notification of a significant event was not made within one hour in that the NRC Operations Center was not notified of an unplanned release of airborne radioactivity from Auxiliary Boiler No. 2 on March 13, 1980. Members of the plant staff observed the release of steam resulting from tube leaks in the contaminated auxiliary boiler.

This is a Severity Level IV Violation (Supplement I).

- E. BSEP Technical Specifications, Appendix B, Section 5.4.1.1 requires that the licensee submit a semiannual report covering the previous six months operation within 60 days after January 1 and July 1 of each year. These reports shall include a summary of the quantities of radioactive effluents released from the plant.

Contrary to the above, the semiannual reports for June 30, 1979, December 31, 1979, and June 30, 1980 did not include (1) liquid effluents discharged from the stabilization pond during 1979 and 1980, and (2) auxiliary boiler releases subsequent to the auxiliary boiler atmospheric release of February 22, 1980 described in IE Reports 50-325/80-12 and 50-324/80-11.

This is a Severity Level V Violation (Supplement IV).

Pursuant to the provisions of 10 CFR 2.201, you are hereby required to submit to this office within twenty-five days of the date of this Notice, a written statement or explanation in reply, including: (1) admission or denial of the alleged violations; (2) the reasons for the violations if admitted; (3) the corrective steps which have been taken and the results achieved; (4) corrective steps which will be taken to avoid further violations; and (5) the date when full compliance will be achieved. Under the authority of Section 182 of the Atomic Energy Act of 1954, as amended, this response shall be submitted under oath or affirmation.

Date: OCT 21 1981