

October 3, 2003

Mr. Roy A. Anderson
President & Chief Nuclear Officer
PSEG Nuclear, LLC - X04
Post Office Box 236
Hancocks Bridge, NJ 08038

SUBJECT: SALEM NUCLEAR GENERATING STATION, UNIT NO. 2, RE: FINAL
ACCIDENT SEQUENCE PRECURSOR ANALYSIS OF FEBRUARY 2000
OPERATIONAL EVENT

Dear Mr. Anderson:

Enclosed for your information is the final Accident Sequence Precursor (ASP) analysis of an operational event which occurred at the Salem Nuclear Generating Station, Unit No. 2, in February 2000. This condition was documented in NRC Inspection Report 50-311/99-010, dated February 14, 2000. The results of the final ASP analysis indicate that this event is a precursor (i.e., the importance or change in core damage probability (CCDP) $>1E-6$).

In the past, preliminary versions of all ASP analyses were issued for internal peer review by the U.S. Nuclear Regulatory Commission (NRC) staff and for external peer review by the licensee. Comments received from these reviews were then resolved as part of the final analysis. To increase efficiency, we are now issuing the "non-controversial" ASP analyses as final documents. In this event, the findings in the ASP analysis (i.e., the change in CCDP and dominant risk contributors) are consistent with those in the Significance Determination Process (SDP). Since this ASP analysis confirms the results of the final SDP, which has been reviewed by the NRC staff and PSEG Nuclear, it is being issued as a final product for information only.

Due to the potential sensitivity of the information described in the enclosed ASP analysis, the staff has not made this enclosure publicly available.

Please contact me at 301-415-1324, if you have any questions regarding the enclosure.

Sincerely,

/RA/

Robert J. Fretz, Project Manager, Section 2
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-311

Enclosure: As stated (Sensitive - Not for Public Disclosure)

cc w/o encl: See next page

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NAME	RFretz	CRaynor	JClifford
DATE	9/25/03	9/26/03	9/30/03

OFFICIAL RECORD COPY

Salem Nuclear Generating Station, Unit Nos. 1 and 2

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