

Public Service
Electric and Gas
Company

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United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Gentlemen:

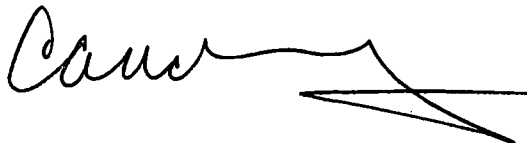
RADIOACTIVE EFFLUENT RELEASE REPORT - 22
SALEM GENERATING STATION
DOCKET NOS. 50-272 AND 50-311

In accordance with Section 6.9.1.11 of Appendix A to the Operating Licenses for the Salem Generating Station, Unit Nos. 1 and 2, Public Service Electric and Gas Company (PSE&G) hereby transmits one copy of the semi-annual Radioactive Effluent Release Report, RERR-22. This report summarizes liquid and gaseous releases and solid waste shipments from the Salem Generating Station for the period January 1 through June 30, 1987.

Additionally, please find one copy of the revised Offsite Dose Calculation Manual (ODCM). A summary of these changes to the ODCM and their rationale is provided in Attachment A. Changes to the document are delineated by vertical lines in the margin of the text. The majority of these changes are administrative.

Should you have any questions regarding this submittal, please feel free to contact us.

Sincerely,



Attachments

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C Mr. W. T. Russell, Administrator
USNRC Region I

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USNRC Licensing Project Manager

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ATTACHMENT A
SALEM OFFSITE DOSE CALCULATION MANUAL
SUMMARY OF CHANGES

The changes to the Salem Generating Station Offsite Dose Calculation Manual consisted of the following:

- 1) Delete Fe-59, the word "quarterly" and addition of reference to Technical Specification 3.11.1.1 from the note on Page 4.

RATIONALE: Fe-59 is not required for composite analysis (Reference Technical Specification 3.11.1.1 Table 4.11-1). Also, the composite analysis are both quarterly and monthly depending on the radionuclide. To avoid confusion the time reference was deleted.

- 2) Updating the dose factors for Antimony 124 and 125 for the grass-cow-milk pathway (Pages 52-55).

RATIONALE: These factors were conservative stable element transfer factors. They have been updated based on transfer factors from Regulatory Guide 1.109 (Revision 0).

- 3) Addition of 1985 and 1986 liquid release data for Appendices A, B and C (Pages A-3 to A-5, B-2, B-5, and C-3).

RATIONALE: To ensure that effective MPC factors and major dose contributors by radionuclide are consistent with current default parameters within the ODCM.

- 4) Revise the reference from the Salem Generating Station Emergency Plan EPIV-III to Emergency Plan Implementation Procedures on Page 27.

RATIONALE: For completeness

These modifications were used to generate the Radiological Effluent Release Report (#22) for the first half of 1987.