

LR-N05-0426
SEP 1 3 2005



United States Nuclear Regulatory Commission
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Washington, DC 20555

**PIPING STRUCTURAL INTEGRITY CALCULATION
SALEM GENERATING STATION – UNIT 2
DOCKET NO. 50-311
FACILITY OPERATING LICENSE NO. DPR-75**

On July 6, 2005 PSEG experienced a through wall leak on a Service Water (SW) valve. In accordance with Section XI of PSEG's ASME Code of record, (1998 Edition, 2000 Addendum), an analytical evaluation was performed to demonstrate structural integrity.

In accordance with paragraph IWB-3144(b), PSEG is submitting the analytical evaluation for review.

Enclosed is a copy of the evaluation for your review. Should you have any questions regarding this matter, please contact Mr. Justin Wearne at (856) 339-5081.

Sincerely,

A handwritten signature in black ink that reads "Thomas P. Joyce".

Thomas P. Joyce
Site Vice President
Salem Generating Station

Attachment

A047

C: Mr. S. Collins, Administrator – Region I
U. S. Nuclear Regulatory Commission
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Attachment

PSEG NUCLEAR LLC
Vendor Technical Document 327928

Diaphragm Valve Evaluation