

Public Service
Electric and Gas
Company

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Senior Vice President - Nuclear Engineering

AUG 21 1995

LR-N95116

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

Gentlemen:

**ALLOY 600 STEAM GENERATOR MECHANICAL TUBE PLUGS
SALEM GENERATING STATION UNIT NOS. 1 & 2
FACILITY OPERATING LICENSE NOS. DPR-70 & DPR-75
DOCKET NOS. 50-272 & 50-311**

PSE&G submitted a letter to the NRC on January 30, 1995 (LR-N95007) to provide additional information for Salem Units 1 and 2 concerning the recent industry experience with stress corrosion cracking of Alloy 600 Thermally Treated (TT) Steam Generator tube plugs. This information included:

(a) the number of Alloy 600 TT tube plugs that are present in the Salem Steam Generators that have not been repaired or replaced,

(b) the basis for why the Justification for Continued Operation (JCO) contained in Westinghouse WCAP 12244, Revision 3 is still valid for the remaining Alloy 600 TT plugs that have not been replaced, and

(c) a commitment to evaluate the impact of Addendum 3 of WCAP-12244, Revision 3, upon issuance by Westinghouse, on the current Salem Units 1 and 2 Action Plans to replace/repair the Alloy 600 mechanical tubes developed in response to NRC Bulletin 89-01 and Supplements. The results of this evaluation and any changes to the Action Plan schedule for repair/replacement, if necessary, were to be submitted to the NRC within 30 days of the next scheduled outages for Units 1 and 2.

The recent industry experience required Westinghouse to revise the corrosion algorithm presented in WCAP-12244, Revision 3 (Addendum 3) for determining the repair/replacement schedule for the Alloy 600 TT plugs. Based on the recalculated useful life for the Alloy 600 TT hot leg plugs, repair/replacement of the hot leg plugs during the next scheduled refueling outage, or outage of duration greater than 30 days is required. Salem Unit 2 currently has a total of 44 tube plugs manufactured from Alloy

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600 TT material which have not been repaired/replaced. Therefore, PSE&G has opted to repair/replace the remaining 44 Alloy 600 plugs during the current Salem Unit 2 outage in accordance with our response to NRC Bulletin 89-01 and WCAP-12444, Revision 3 (Addendum 3). For Salem Unit 1, this issue is not of concern since all Alloy 600 hot leg plugs have been repaired/replaced.

Repair/replacement of the Alloy 600 cold leg plugs is required to be completed by the end of the year 2000 based on the most recent corrosion algorithm provided in WCAP-12444, Revision 3 (Addendum 4). PSE&G will also repair/replace the Alloy 600 cold leg plugs during the current Salem Unit 1 and 2 outages.

Should you have any questions on this submittal, please contact us.

Sincerely,



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