

# PRIORITY 1

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SUBJECT: Forwards "1995 Interim Plugging Criteria 90-Day Rept."  
 Rept provides SG bobbin voltage distribution summary,  
 postulated SLB leak rate & tube burst probability results. O

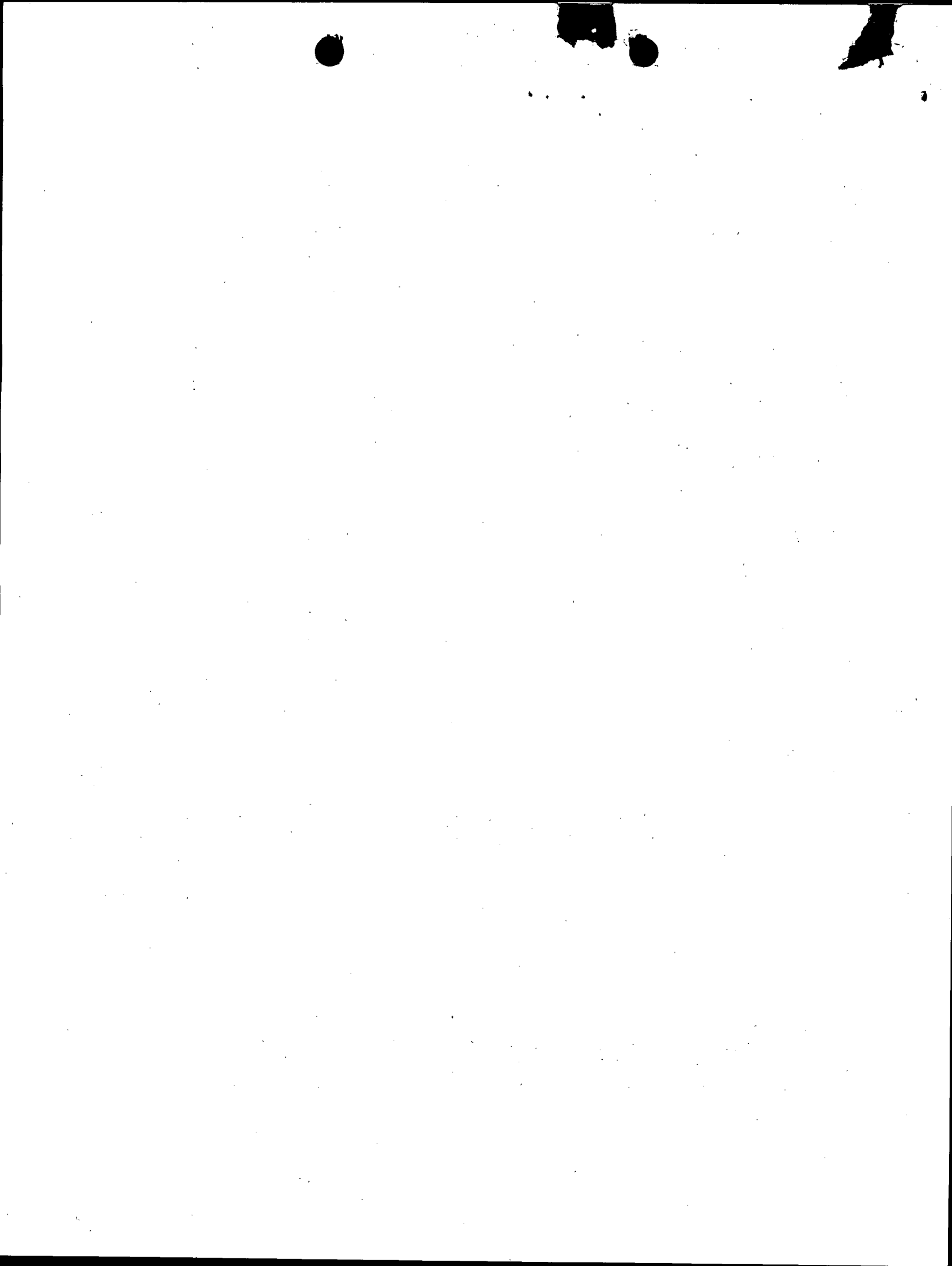
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August 11, 1995

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
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Ladies/Gentlemen:

Docket 50-305  
Operating License DPR-43  
Kewaunee Nuclear Power Plant  
1995 Interim Plugging Criteria 90-Day Report

- References:
- 1) Draft Generic Letter 95-XX, "Voltage-Based Repair Criteria for the Repair of Westinghouse Steam Generator Tubes Affected by Outside Diameter Stress Corrosion Cracking," US NRC
  - 2) Letter from C.R. Steinhardt (WPSC) to Document Control Desk (NRC) dated March 8, 1995
  - 3) Letter from C.R. Steinhardt (WPSC) to Document Control Desk (NRC) dated April 3, 1995

Enclosed is the Kewaunee Nuclear Power Plant (KNPP) 1995 Interim Plugging Criteria 90-Day Report. This report provides the KNPP steam generator bobbin voltage distribution summary, the postulated steam line break (SLB) leak rate and tube burst probability results required to support implementation of a 2.0 volt plugging criteria as specified in NRC draft Generic Letter 95-XX, Reference 1. The methodology used in these evaluations is detailed in WCAP-14277 "SLB Leak Rate and Tube Burst Probability Analysis Methods for ODSCC at TSP Intersections." This WCAP has previously been submitted to the NRC.

The projected end of cycle (EOC) SLB tube leak rate and conditional burst probability are well within the regulatory guidelines for application of the voltage-based repair criteria. Using a probability of detection of 0.6, the projected EOC tube leakage under SLB conditions was calculated to be 2.2 gpm and the probability of burst was calculated to be 1.2 E-04. These

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results are much lower than the KNPP allowable leakage limit of 34.0 gpm and the NRC guideline of 1.0 E-02 for the burst probability.

Please feel free to contact a member of my staff if you have any questions or require additional information.

Sincerely,



Mark L. Marchi  
Manager - Nuclear Business Group

SLB

Enc.

cc - US NRC Senior Resident Inspector  
US NRC, Region III