

50-397

# Washington Public Power Supply System

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Mr. J. B. Martin  
Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region V  
1450 Maria Lane, Suite 210  
Walnut Creek, California 94596

Subject: NUCLEAR PROJECT NO. 2  
10CFR50.55(e) REPORTABLE CONDITION #259  
INCOMPLETE ANCHOR BOLT ANALYSIS - RHR HEAT EXCHANGERS

Reference: Telecon dated November 1, 1983, R.T. Johnson to Bob Dodds

In accordance with the provisions of 10CFR50.55(e), your office was informed, by the reference, of the above subject condition. The attachment provides the Project's interim response on Condition #259. A final response, including the analysis results, will be transmitted December 6, 1983.

If there are any questions concerning this matter, please contact Roger Johnson, WNP-2 Project QA Manager, (509) 377-2501, extension 2712.



G. C. Sorensen  
Manager, Regulatory Programs

RTJ/kd

Attachment: As stated

cc: W.S. Chin, BPA  
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Document Control Desk, NRC

WASHINGTON PUBLIC POWER SUPPLY SYSTEM  
NUCLEAR PROJECT NO. 2  
DOCKET NO. 50-397  
LICENSE NO. CPPR-93  
10CFR50.55(e) REPORTABLE CONDITION #259  
INCOMPLETE ANCHOR BOLT ANALYSIS - RHR HEAT EXCHANGERS

INTERIM REPORT

Description of the Deficiency

The design reverification review identified the lack of calculations for the RHR heat exchanger lower anchor bolt washer plate. Burns and Roe, as part of the corrective action to demonstrate no tension loads existed on the anchor bolts, requested General Electric's confirmation on the design loads. General Electric has indicated that as a result of nozzle loading on the vessel, the original 10,000 pound tension or uplift load on the heat exchanger may be significantly larger.

Safety Significance

The structural members supporting the heat exchanger may be inadequate to meet certain loading conditions imposed on the vessel. An extensive evaluation is required to determine if the existing design is adequate, therefore, the condition is considered potentially reportable.

Cause for the Deficiency

The bounding conditions for the structural design may have been inadequate, due to the problem of establishing and quantifying the condition, which would produce the worse case interface condition between the vessel and the structure.

Action to Prevent Recurrence

The design reverification process was to assure that the methods utilized by the designers were adequate. Where deficiencies have been identified, they have been evaluated for their generic implications and, as required, additional reviews have been conducted to ensure the condition does not affect design elsewhere. No further corrective action is considered necessary at this time.

Corrective Action

General Electric is performing a coupled analysis utilizing the "As-Built" conditions of the RHR heat exchanger to establish the worse case loading condition on the heat exchanger anchor bolts and the structure.

The evaluation and any corrective action will be complete prior to fuel load.