

Washington Public Power Supply System

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Docket Number 50-460

December 14, 1982

G01-82-0805

Responds to: -

Response required by: NA

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REGION V I&C

Nuclear Regulatory Commission
Region V
1450 Maria Lane, Suite 120
Walnut Creek, California 94596

Attention: Mr. D. M. Sternberg, Chief
Reactor Projects Branch No. 1

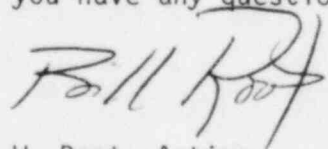
Subject: NUCLEAR PROJECT NO. 1
10CFR50.55(e) POTENTIALLY REPORTABLE CONDITION
REACTOR VESSEL FLANGE STUD HOLES

Reference: Telecon, C.R. Edwards, Supply System to A. D'Angelo,
Region V, Nuclear Regulatory Commission, 11/15/82

In the above reference, the Supply System informed your office of a potentially reportable deficiency in accordance with the requirements of 10CFR50.55(e).

Attachment A includes a brief description of the identified potential deficiency and the Project's planned corrective action. Due to the extended construction delay of the WNP-1 Project, implementation of any corrective actions will not occur until restart of construction. In the interim, when the noted deficiencies have been dispositioned, we will provide your office with a status report.

If you have any questions or desire further information, please advise.



R. W. Root, Acting
Assistant Program Director

RWR:RL:pp

cc: JP Laspa, Bechtel (861)
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ATTACHMENT A

WNP-4

POTENTIALLY REPORTABLE CONDITION PER 10CFR50.55(e) REACTOR VESSEL FLANGE STUD HOLE - STUCK STUD

Background

An alignment/handling stud used on the WNP-4 reactor vessel flange during handling operations was declared stuck when it became difficult to remove. Subsequent destructive removal of the stud revealed discontinuities of the thread form in the vessel flange and led to the issuance of Nonconformance Report 4-BNCR-04-03.

Description of Deficiency

The deficiency can be described as the absence of several single thread forms of varying lengths. The longest length of missing thread can be characterized as approximately one half of the stud hole circumference and the total length of missing threads is equivalent to approximately three circumferences.

Safety Implication

The reactor vessel flange stud hole threads form a part of the mechanical interface for locking the reactor closure head to the reactor vessel. Discrepancies in the stud hole thread form could possibly affect the design requirements for maintaining the integrity of the primary reactor coolant pressure boundary. However, to date it is indeterminate as to whether the design requirements have been affected.

Corrective Action

The deficiency has been documented via the above mentioned BNCR, and a technical evaluation will be performed by the vessel manufacturer (B&W) and by the Engineer (United Engineers & Constructors). This evaluation is expected to be completed during the first quarter of 1983. The Project will continue to track this as an open item during the extended construction delay and will provide you with a final report when a decision of final corrective action, if required, is reached.