Docket No. 50-397

50.55(e) Report

# Washington Public Power Supply System

P.O. Box 968 3000 George Washington Way Richland, Washington 99352 (509) 372-5000

Docket No. 50-397

March 5, 1982
G02-82-295

Responds to: NA
Response required by: NA

Mr. R. H. Engelken
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 #177
BULK PURCHASE VALVES

In accordance with the provisions of 10CFR50.55(e), your office was informed, by telephone, of a potentially reportable condition regarding bulk purchase valves. Attached is our final report on this condition.

If there are any questions concerning this matter, please contact R. T. Johnson at 509/377-2501, extension 2712.

Cal Carlile
for R. G. Matlock
Program Director, WNP-2

RGM/RLH/kd

Attachment: Final Report

cc: W.S. Chin, BPA - Site
R.A. Feil, NRC Resident Inspector - WNP-2
A. Forrest, Burns and Roe - HAPO
N.D. Lewis, NRC
J. Plunkett, NUS Corp.
R.E. Snaith, Burns and Roe - NY
V. Stello, NRC
RMSF 917Y





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FINAL REPORT
WASHINGTON PUBLIC POWER SUPPLY SYSTEM
DOCKET NO. 50-397
LICENSE NO. CPPR-93
10CFR50.55(e) REPORTABLE CONDITION NO. 177
BULK PURCHASE VALVES

Description of Defect or Noncompliance

Bulk purchased valves have been procured and installed in safety related systems, which do not meet the full design requirements of the system. Identified deficiencies to-date are:

1. The vendor drawing for bulk purchased valves RHR-V-155C and RHR-V-708C, Burns and Roe, Inc. file number 215.02.1536, indicates .040" corrosion allowance. The system design corrosion allowance is .080".

2. Valve RCIC-V-47 is shown on isometric RCIC 1480-1 and drawing M-519 as a 600 pound carbon steel spring loaded check valve to Quality Class I, Seismic Category I, Code Group B requirements. WBG incorrectly installed a 1500 pound Code Group C valve.

3. Valves RHR-V-161A and RHR-V-162A for isometric RHR 851-17 are Borg Warner valves. The drawing for these valves (Burns and Roe file number 215.02.1535) indicates environmental class B. The location of these valves requires environmental Class A.

4. Valve RHR-V-156C for isometric RHR 897-15.18 is a Borg Warner valve. The drawing for this valve (Burns and Roe file number 215.02.1525) indicates the valve was fabricated to ANSI requirements. The system is ASME Section III, Class II.

Approach to Resolution

Nonconformance reports have been written on Items 1, 2, 3, and 4. Each item will be evaluated on an individual basis and a disposition assigned. In addressing this concern in a generic manner, Contract 215 (WBG) is conducting a review of purchase order packages for compliance to the specification requirements.

Cross reference checks are performed against either the fitter-welder drawings generated upon completion of field activities or information obtained during the walkdown of the system. This review includes a verification of component serial number against the associated procurement data and also verification that applicable quality, envirnomental and Code classifications are in compliance with the specification requirement. Deficiency documents generated as a result of this review will be sent to the Architect/Engineer for disposition. In the event additional similar deficiencies are identified, this concern will be technically evaluated in a generic, worst-case manner or by specific application depending upon which approach lends itself more appropriately.

Rework of deficiencies will be in accordance with site approved procedures.

Safety Implication

The incorrect installation of the WBG bulk purchase valves could conceiveably have resulted in a failure of a safety related system, which could have affected the safety of the plant.

Status of Resolution

The review program is on-going and is scheduled for completion in September, 1982. A work program will be scheduled as deficiencies are dispositioned, in accordance with the overall project requirements, predominately on a system-by-system basis.

Projected Completion of Corrective Action

Complete ninety (90) days before fuel loading.