

PART 21 IDENTIFICATION NO. 81-339-000 COMPANY NAME Babcock & Wilcox  
 DATE OF LETTER 1/9/81 DOCKET NO. 80-397, 460, 513, 508, 1509, 50-314  
 DATE DISTRIBUTED 1/13/81 a.m. ORIGINAL REPORT ☒ SUPPLEMENTARY ☐

DISTRIBUTION:

REACTOR (R) ☒

FUEL CYCLE & ☐

SAFEGUARDS (S) ☐

~~IE FILES~~

MATERIALS (M)

IE FILES

EES

IE FILES

AD/SG

AD/FFMSI

AD/ROI

REGIONS I,II,III,IV,V

REGIONS I,II,III,IV,V

REGIONS I,II,III,IV,V

VENDOR BR. R-IV

VENDOR BR. R-IV

VENDOR BR. R-IV

LOEB / MPA MNB 5715

NWSS / FCMS SS-396

NRR/DOL

AEOD MNB 7602

LOEB / MPA MNB 5715

NWSS / SG SS-881

NRR/DOE

AEOD MNB 7602

LOEB / MPA MNB 5715

NRR/DSI

ASLBP E/W 450

AEOD MNB 7602

NRR/DST

SAP/SP MNB-7210A

ASLBP E/W 450

NRR/DOL

CENTRAL FILES 016

CENTRAL FILES 016

ASLBP E/W 450

CENTRAL FILES (CHRON)

CENTRAL FILES (CHRON)

CENTRAL FILES 016

PDR

CENTRAL FILES SS-396

CENTRAL FILES (CHRON)

LPDR

PDR

PDR

TERA

LPDR

LPDR

TERA

TERA

ACTION:

PRELIMINARY EVALUATION OF THE ATTACHED REPORT INDICATES LEAD RESPONSIBILITY FOR FOLLOWUP AS SHOWN BELOW:

IE ☒

NRR ☐

NWSS ☐

OTHER ☐

EES

8101230730

REV. 8/1/80

9/17/80

12/2/80

Babcock & Wilcox

Nuclear Power Generation Division

a McDermott company

3315 Old Forest Road  
P.O. Box 1260  
Lynchburg, Virginia 24505  
(804) 384-5111

January 9, 1981 ES-397

ES-460  
ES-613  
ES-608  
ES-629  
ES-344

Mr. Victor Stello, Director  
Office of Inspection and Enforcement  
United States Nuclear Regulatory Commission  
Washington, D. C. 20555

Dear Mr. Stello:

Pursuant to the requirements of 10CFR21 this report, in three copies, is made concerning valves supplied by Control Components International (CCI), Irvine, California, for use as makeup flow control valves on Washington Public Power Supply System (WPPSS) and Portland General Electric (PGE) contracts which will not supply 2 gpm flow when in the closed position as required by B&W specification. The function of this valve is to supply cold ( $\sim 120^{\circ}\text{F}$ ) borated or demineralized water as makeup to the reactor coolant system (RCS) through a nozzle in the cold leg. This nozzle is one of four that is also used to supply high pressure injection for emergency core cooling in a LOCA situation.

The concern is that, without this flow in the closed position, normal transient operation could cause thermal cycling that would exceed the stress limits of this nozzle over forty year plant life. Failure of this nozzle could result in a LOCA or in a LOCA situation result in a partial loss of high pressure injection capacity.

These valves are used in the Makeup and Purification systems for the WPPSS contract, two valves, one per plant, designated MU-V46; and for PGE contract, one valve, designated MU-V46. They are not used for this application in any operating plant or other plant under construction.

The cause of this concern is the inability of the valve to supply the specified flow in the closed position. Corrective action consists of:

1. Notification of the affected licensees of this concern.
2. Initiation of a program to determine the best method to provide the required 2 gpm flow when the valve is closed. Both use of a different or revised valve design or provision of an external bypass line are being considered. Corrective action will be considered complete when the selected method to restore this specified 2 gpm flow is implemented on the affected contracts.

Babcock & Wilcox

Mr. Victor Stello, NRC

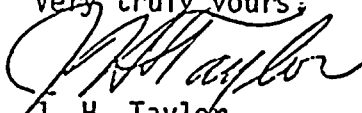
- 2 -

January 8, 1981

Mr. D. E. Guilbert, Vice President, Nuclear Power Generation Division of Babcock & Wilcox Company was informed of this reportable concern on January 5, 1981.

This letter confirms our telephone conversation of January 6, 1981 on the subject with Mr. W. R. Mills of your office.

Very truly yours,

  
J. H. Taylor  
Manager, Licensing

JHT:vp

cc: R. B. Borsum  
D. E. Guilbert

