Babcock & Wilcox

7 81-475-600

Power Generation Group

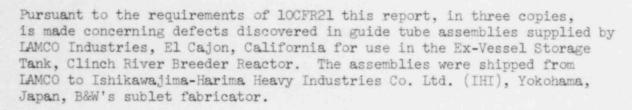
Earberton, Ohio 44203 Telephone: (216) 753-4511

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July 15, 1981

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

Dear Mr. Stello:



Review of final radiographs of pressure boundary welds made by IAMCO revealed five (5) welds that were not acceptable to ASME Code requirements. Attached is a listing with identification numbers of the guide tubes involved and the applicable drawings. There are a total of five (5) guide tubes in the system. The function of the guide tubes is to serve as sodium level indicators.

The cause of this concern is that the vendor provided a certified fabrication containing a defect which could cause loss of system pressure if installed and operated. Corrective action consists of the following.

- 1. B&W's evaluation of the IAMCO radiographs has been confirmed by re-radiograph of the rejected welds at IHI. This action was completed on July 13, 1,81. Three welds with less than 100% coverage were accepted; one weld with I.D. buildup was accepted; one weld, Mark 27-30 to Mark 27-32 on Guide Tube S/N 1683, initially judged to be a linear indication, was rejected for incomplete fusion.
- 2. Disposition instructions to IHI will be provided to make the repair to the defective weld, or, alternatively, the assembly will be returned to LAMCO for repair. Repair is estimated to be complete by October 1, 1981.

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- 3. The Authorized Inspector at IHI, Yokohama, Japan and B&W's customer, Rockwell-Energy Systems Group, Canoga Park, California has been notified of this concern.
- 4. B&W will present LAMCO with the radiographic results that verify the non-conforming conditions and request their corrective actions.

Very truly yours,

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R. B. Noles Manager, Quality Assurance Nuclear Equipment Division

RBN/dc

cc: E. S. Gaffney
Vice President and Plant Manager
Nuclear Equipment Division
Babcock & Wilcox Company

R. P. Wallace Energy Systems Group Rockwell International Corporation 8900 DeSoto Avenue Canoga Park, California 91304

R. Zinns
Authorized Nuclear Inspector
No. 6-4, Yamate-Cho
Naka-Ku, Yokohama
Kanagawa Pre? 231
Japan

GUIDE TUBE LISTING

Serial Number	B&W Initial Evaluation	IHI Verification
1681	Less than 100% coverage on weld 27-30 to 27-31	Re-radiographed, acceptable.
1682	Excess root reinforcement on weld 27-30 to 27-31	Re-radiographed, acceptable.
1683	Less than 100% coverage on weld 27-30 to 27-31	Re-radiographed, acceptable.
	Linear indication located on centering of weld 27-30 to 27-32	Re-radiographed and visually inspected. Rejected for incomplete fusion on ID of weld 27-30 to 27-32.
1685	Less than 100% coverage on weld 27-30 to 27-31	Re-radiographed, acceptable

