

November 2, 1977

DOCKET STN 50-561

Office of Nuclear Reactor Regulation
ATTN: Mr. Roger S. Boyd, Director
Division of Project Management
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: B-SAR-205
Transmittal of Amendment 20

Dear Mr. Boyd:

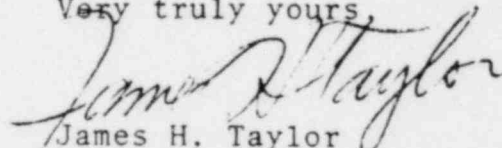
The Babcock & Wilcox Company herewith submits sixty copies of B-SAR-205 Amendment 20 for review.

This amendment contains the following specific items:

- 1) As agreed to by the Staff, section 7.3 and figure 7.3-1 have been revised to reflect a change to the ESFAS. Specifically, the portion of the B-SAR ESFAS design related to containment isolation has been made identical to the design for PASNY. This change maintains the signal diversity required by the Staff for isolation purposes; i.e., containment isolation will occur as a result of either low reactor system pressure or high containment pressure. To accomplish this change (see figure 7.3-1), an "OR" gate has been added in the containment isolation circuit in each ESFAS channel. This "OR" gate receives input signals from both the containment pressure and the RC pressure sensor subsystems. The response to NRC question 022.11 has also been modified to be consistent with the above change.
- 2) As agreed to with the Staff, table 7.5-4 has been corrected by deletion of the HPI flow indication to agree with table 7.5-1. The HPI indication is unnecessary for hot shutdown since pressurizer level and pressure indications are provided.

- 3) Figures 6.3-7a, 7b and 7c have been corrected to show proper numbering for piggy back crossover valves DH 17A & B and dump to sump valves DH 16A & B. These figures have also been updated to include the bypass lines and check valves added in B-SAR Amendment 17 around valves DH 12A & B in the decay heat suction lines.
- 4) Table 8.3-1 has been updated to include additional safety-related valves.
- 5) A number of typographical errors have been corrected.

Very truly yours,


James H. Taylor
Manager, Licensing

JHT:dsf

Attachments

cc: R. B. Borsum (B&W)

U. S. Nuclear Regulatory Commission (1)
Office of Inspection and Enforcement - Region IV
611 Ryan Plaza Drive - Suite 1000
Arlington, Texas 76012

Mr. Neil Thomasson (3)
Attn: Loretta Long
Office of Radiation Programs
Environmental Protection Agency
Room 647A East Tower Waterside Mall
401 M Street, S.W.
Washington, D.C. 20460

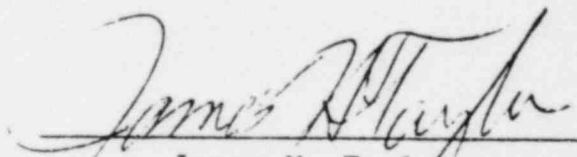
Mr. A. J. Oswald (1)
EG&G Idaho, Inc.
P. O. Box 1625
Idaho Falls, Idaho 83401

Babcock & Wilcox

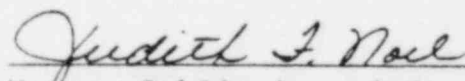
STATE OF VIRGINIA))
CITY OF LYNCHBURG) SS. Lynchburg

James H. Taylor, being first duly sworn, deposes, and says:
That he is the Manager of the Licensing Section of the
Nuclear Power Generation Division, THE BABCOCK & WILCOX
COMPANY, the applicant herein; that he is authorized to
submit the foregoing on behalf of said applicant; that he
has read the foregoing and knows the contents hereof; and
believes the same to be true to the best of his knowledge.

Dated: 11/11/77


James H. Taylor

Subscribed and sworn to before me,
this 4th day of November, 1977.


Notary Public in and for the State
of Virginia, City of Lynchburg

My Commission expires 10/18/78