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Energy Systems

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NTD-NRC-95-4548
DCP/NRC0396
Docket No.: STN-52-003

September 8, 1995

Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

ATTENTION: DIANE T. JACKSON

SUBJECT: REVIEW OF NUREG/CR-6168 FOR PROPRIETARY INFORMATION

Dear Ms. Jackson:

Westinghouse appreciates the opportunity to review NUREG/CR-6168 "Valve Reliability for Passive Advanced Light Water Reactors" for material that is proprietary to Westinghouse Electric Corporation. It is our conclusion that the following information should be considered to be proprietary:

Table 5.7 The columns labeled "Environment" and "Key open/close requirements"

Since the source for this material is the AP600 Standard Safety Analysis Report, the application for with holding and affidavit for that report also covers this material.

Westinghouse notes that the report is based on earlier design features, a number of which have been changed to specifically address the types of concerns summarized in this report. A prime example is the use of squib valves in place of check valves in the In Containment Refueling Water Storage Tank (IRWST) recirculation lines. The change eliminates the concern of opening a check valve with a low driving head. A second example is the removal of the pressure balance line between the core makeup tank and the pressurizer, which also eliminates the concerns over a check valve opening with a low driving head at high temperature.

In addition, in at least one instance, agreement with the NRC staff has been reached on a technical issue in this report where the agreed upon approach may be slightly different from what is presented in the report.

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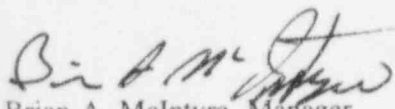
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In light of the design enhancements made by Westinghouse, issuance of this report does not serve the passive plant design effort well. As a minimum, the brief comment on page 1 should be expanded to mention that the passive plant designs have progressed since the material on which this report is based, and that in response to NRC concerns and the natural design evolution, many of the concerns raised in this report have been addressed.

Please contact me if you have any questions concerning this review.



Brian A. McIntyre, Manager
Advanced Plant Safety and Licensing

/nja

cc: N. J. Liparulo - W
T. R. Quay - NRC/NRR
J. Quinn - GE