



Idaho National Engineering Laboratory

March 18, 1993

Dr. F. Odar
U.S. Nuclear Regulatory Commission
5650 Nicholson Lane - NL/N-353
Washington, DC 20555

NEED FOR AP600 DESIGN INFORMATION - GEW-08-93

Dear Dr. Odar:

The review to date of the Westinghouse design information needed to support our updates to the AP600 plant input deck, has revealed that the certain information required to make the automatic depressurization system (ADS), incontainment refueling water storage tank (IRWST), and core makeup tank (CMT), prototypical have not been provided. The missing ADS information is a particularly critical deficiency in that it significantly affects the calculational results needed to help validate the ADS model, and other update models.

The information required is identified below. We understand that you will coordinate our need with Mr. Hasselberg (NRR) so that it may be satisfied.

- 1) ADS piping diagrams from the pressurizer to the valves of the first three stages, and downstream of the valves to the IRWST,
- 2) Piping diagrams of the IRWST discharge,
- 3) Pressure balance line piping diagrams from the cold leg to the CMT, and pressurizer to CMT, and
- 4) Pressurizer spray lines piping diagrams.

Other, less critical information deficiencies, may yet be identified as our review proceeds. These will be identified at a later date should any be found.

Sincerely,

Gary E. Wilson
Technical Staff Consultant
NRC T/H Analysis Programs

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cc: F. W. Hasselberg, NRC-NRR MS 11 H3
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Enclosure