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DCP/NRC0553
Docket No.: STN-52-003

July 23, 1996

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

ATTENTION: T. R. QUAY

SUBJECT: LOWER HEAD INTEGRITY UNDER IN-VESSEL STEAM EXPLOSION
LOADS REPORT

Dear Mr. Quay:

Enclosed with this letter is a copy of the DOE-supported Advanced Reactor Severe Accident Program report entitled "Lower Head Integrity Under In-Vessel Steam Explosion Loads" (DOE/IE-10541, Peer Review Version: June 1996).

This report is being transmitted for NRC staff review in support of the AP600 in-vessel retention (IVR) topic. Westinghouse expects the NRC staff to review the report and provide feedback to Westinghouse. A meeting between Westinghouse and NRC will be scheduled to discuss the NRC comments.

Please contact Cynthia L. Haag on (412) 374-4277 if you have any questions concerning this transmittal.

Brian A. McIntyre, Manager
Advanced Plant Safety and Licensing

/nja

Enclosure

cc: J. Sebrosky, NRC (without enclosure)
D. Jackson, NRC (enclosure)
N. Dudley, NRC ACRS (enclosure)
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June 1996

LOWER HEAD INTEGRITY UNDER IN-VESSEL STEAM EXPLOSION LOADS

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J.J. Sienicki, K. Freeman, X. Chen, T. Salmasi



Department of Energy

**Advanced
Reactor
Severe
Accident
Program**