



GE Nuclear Energy

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Project 717

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U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
One White Flint North
11555 Rockville Pike
Rockville, MD 20852-2738

Attention: Chief, Information Management Branch
Program Management
Policy Development and Analysis Staff

Reference: Letter S. Hucik, GE to S Collins, NRC, Pre-application Review of ESBWR, dated
April 18, 2002

Subject: **ESBWR Test Report, NEDC-33081 - Document Transmittal for Pre-
Application Review of ESBWR**

The CD accompanying this letter contains the GE non-proprietary report NEDC-33081, ESBWR Test Report. This is item number 9 in Enclosure 1. This report covers integral systems tests done specifically for the ESBWR configuration. This report is submitted in support of the pre-application review of the ESBWR (Reference).

GE is seeking NRC concurrence on the adequacy of the testing program for the ESBWR. The testing program will be used to qualify the TRACG code for the one-time application for Design Certification of the ESBWR. The report NEDC-33081 represents one of several reports that support the NRC review of the adequacy of the testing program. The ESBWR Design Description, NEDC- 33084 (Item 1, Enclosure 1) provides a description of the reference ESBWR design. ESBWR Test and Analysis Program Description (TAPD), NEDC-33079 (Item 2, Enclosure 1) defines the necessary qualification program for the ESBWR. NEDC-32606P, Rev 0, SBWR Testing Summary Report (Item 7, Enclosure 1), covers a summary of the BWR passive system testing and the interrelations between tests described in detail in Item 8 of Enclosure 1. Test Reports for Passive Safety Systems (Item 8, Enclosure 1), which provide the details of various test programs, was transmitted to the NRC on August 16, 2002. Item 8 covers all previously submitted reports on the passive systems testing for SBWR. ESBWR Test Report, NEDC-33081, Rev 0 covers ESBWR specific testing.

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The report, ESBWR Scaling Report, NEDC-33082P (Item 10, Enclosure 1), completes the package. The NRC is requested to issue a single assessment on the adequacy of the ESBWR testing basis, based on the above referenced items.

If you have any questions about the information provided here, please contact Atam Rao at (408) 925-1885, or myself.

Sincerely,


J. J. Deacon

Enclosures

- (1) List of Reports in Support of ESBWR Pre-application Review

cc: A. Cabbage USNRC (with enclosures and CD)
J. Lyons USNRC (w/o enclosures)
G.B. Stramback - GE (with enclosures and CD))