

March 30, 2006

Mr. David H. Hinds, Manager, ESBWR
General Electric Company
P.O. Box 780, M/C L60
Wilmington, NC 28402-0780

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 4 RELATED TO
NEDE-33083P, SUPPLEMENT 1, "TRACG APPLICATION FOR ESBWR
STABILITY ANALYSIS"

Dear Mr. Hinds:

By letter dated December 9, 2004, General Electric Company (GE) submitted NEDE-33083P, Supplement 1, "TRACG Application for ESBWR Stability Analysis." The Nuclear Regulatory Commission (NRC) staff is performing a detailed review of this topical report to ensure that the information is sufficiently complete to enable the NRC staff to reach a conclusion on the acceptability of these reports.

The NRC staff has determined that additional information is necessary to continue the review as follows:

Stability RAI # 17: Submit calculations demonstrating that the chimney does not affect the density wave stability of ESBWR. As discussed at the ACRS thermal-hydraulic subcommittee meeting on March 14, 2006, the calculations are performed with finer nodalization of the chimney region and the explicit integration scheme.

This RAI was sent to you via electronic mail on March 15, 2006. Please provide the requested information by April 5, 2006, so that the review can be completed in a timely manner.

If you have any questions or comments concerning this matter, you may contact me at (301) 415-2875 or aec@nrc.gov.

Sincerely,

/RA/

Amy Cabbage, Senior Project Manager
New Reactor Licensing Branch
Division of New Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 52-010

cc: See next page

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Amy Cubbage, Senior Project Manager
New Reactor Licensing Branch
Division of New Reactor Licensing
Office of Nuclear Reactor Regulation

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ACCESSION NO. ML060880201

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