



GE Energy

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MFN 06-075

Docket No. 52-010

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U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555-0001

Subject: **ESBWR Human Factors Engineering Licensing Topical Report –
NEDO-33267**

The following ESBWR Licensing Topical Report (LTR) is contained in the Enclosure:

- NEDO-33267, “ESBWR Human Factors Engineering Human Reliability Analysis Implementation Plan.” The scope of this plan is to:
 - Develop a process for using HRA to support the design of the ESBWR HSI.
 - Identify and select HRA elements and key actions that impact the quantitative risk estimates.
 - Clarify the role of operators, through the man machine information interface applicability, emergency procedures and training, for protecting the plant from accident challenges.
 - Iterate with the risk assessment, task analysis, and operating experience data to reevaluate the impact of operator actions on measures of risk as a function of changes to the HSI.
 - Update and integrate the quantification of HRA elements as needed.
 - Evaluate the effect of operator actions on uncertainties and sensitivities associated with the event sequence.
 - Provide input to the HFE Issue Tracking System.

TO10

This LTR was identified in the Referenced letter.

If you have any questions about the information provided here, please let me know.

Sincerely,

A handwritten signature in black ink, appearing to read 'D. Hinds', written over the word 'Sincerely,'.

David H. Hinds
Manager, ESBWR

Enclosure:

MFN 06-075 – Licensing Topical Report

- NEDO-33267, “ESBWR Human Factors Engineering Human Reliability Analysis Implementation Plan,” March 2006

Reference:

MFN 05-140, Letter from David H. Hinds to U. S. Nuclear Regulatory Commission, *Submittal Schedule for Licensing Topical Reports Related to ESBWR (TAC # MC8168)*, November 22, 2005

cc: WD Beckner USNRC (w/o enclosures)
AE Cabbage USNRC (with enclosures)
LA Dudes USNRC (w/o enclosures)
GB Stramback GE/San Jose (with enclosures)
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