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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.

TO/DO

This LTR was identified in the Referenced letter.

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

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)  
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