



GE Energy

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MFN 07-063

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

Subject: ESBWR Human Factors Engineering Plans

Please find enclosed revisions to the following GE Licensing Topical Reports describing ESBWR Human Factors Engineering Plans:

- NEDO-33219, ESBWR Functional Requirements Analysis Implementation Plan, Revision 1
- NEDO-33262, ESBWR HFE Operating Experience Review Implementation Plan, Revision 1
- NEDO-33266, ESBWR HFE Staffing and Qualifications Plan, Revision 1
- NEDO-33278, ESBWR HFE Design Implementation Plan, Revision 2

These revisions address issues previously identified by the NRC in RAIs and during the ESBWR HFE Audit conducted January 16-19, 2007. A listing of the RAIs whose issue resolutions have been incorporated into an LTR revision is provided in Enclosure 2.

These plans were originally submitted for NRC review in the referenced letters 1 through 4.

As discussed at the ESBWR HFE Audit, all the ESBWR HFE LTRs are being revised and will be submitted for NRC review between January 31 and March 31, 2007. The revision numbers for the HFE LTRs referenced in the LTRs being submitted by this letter will reflect the planned revision rather than the current revision. This will ensure consistency when all plans are revised. General Electric had previously committed to submitting a revision to NEDO-33217, ESBWR Man-Machine Interface System and Human Factors Engineering Implementation Plan, by April 30, 2007 in referenced letter

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5. The remainder of the HFE LTR revisions will be submitted on the schedule of Enclosure 1 to this letter.

If you have any questions or require additional information regarding the information provided here, please contact me.

Sincerely,



James C. Kinsey
Project Manager, ESBWR Licensing

References:

1. MFN 06-033, Letter from NRC to David Hinds, *ESBWR HFE Licensing Topical Reports*, dated January 31, 2006
2. MFN 06-036, Letter from NRC to David Hinds, *ESBWR HFE Licensing Topical Reports*, dated January 31, 2006
3. MFN 06-063, Letter from NRC to David Hinds, *ESBWR HFE Human Factors Engineering Licensing Topical Report – NEDO-33266*, dated March 9, 2006
4. MFN 06-162, Letter from NRC to David Hinds, *ESBWR HFE Licensing Topical Reports – NEDO-33268, Rev. 1; NEDO-33274, Rev. 1; NEDO-33275; NEDO-33278, Rev. 1*, dated March 14, 2006
5. MFN 06-471, Letter from James Kinsey to NRC, *ESBWR Software Plans Revision Submittal Schedule*, dated December 8, 2006

Enclosures:

1. MFN 06-472, ESBWR Human Factors Engineering Licensing Topical Report Submittal Schedule
2. MFN 07-063, ESBWR Human Factors Engineering Licensing Topical Report RAI Issue Incorporation Summary
3. MFN 07-063, ESBWR Human Factors Engineering Licensing Topical Report, NEDO-33219, ESBWR Functional Requirements Analysis Implementation Plan, Revision 1
4. MFN 07-063, ESBWR Human Factors Engineering Licensing Topical Report, NEDO-33262, ESBWR HFE Operating Experience Review Implementation Plan, Revision 1
5. MFN 07-063, ESBWR Human Factors Engineering Licensing Topical Report, NEDO-33266, ESBWR HFE Staffing and Qualifications Plan, Revision 1
6. MFN 07-063, ESBWR Human Factors Engineering Licensing Topical Report, NEDO-33278, ESBWR HFE Design Implementation Plan, Revision 2

cc: AE Cabbage USNRC (with enclosures)
David Hinds GE/Wilmington (with enclosures)
eDRF 0000-0048-2820

Enclosure 1

MFN 07-063

ESBWR Human Factors Engineering

Licensing Topical Report

Submittal Schedule

ESBWR HFE Plan LTR Submittal Schedule

Title and Revision Number	Schedule Date
NEDO-33220, ESBWR Allocation of Functions Implementation Plan, Revision 1	February 28 2007
NEDO-33221, ESBWR Task Analysis, Revision 1	February 28 2007
NEDO-33267, ESBWR Human Factors Engineering Human Reliability Analysis Implementation Plan, Revision 1	February 28 2007
NEDO-33274, ESBWR Human Factors Engineering Procedures Development Implementation Plan, Revision 2	February 28 2007
NEDO-33275, ESBWR Human Factors Engineering Training Development Implementation Plan, Revision 1	February 28 2007
NEDO-33277, ESBWR Human Factors Engineering Human Performance Monitoring Implementation Plan, Revision 2	February 28 2007
NEDO-33268, ESBWR Human-System Interface Design Implementation Plan, Revision 2	March 31, 2007
NEDO-33276, ESBWR HFE Verification and Validation Implementation Plan, Revision 1	March 31, 2007

Enclosure 2

MFN 07-063

ESBWR Human Factors Engineering

Licensing Topical Report

RAI Issue Incorporation Summary

LTR No & Title	RAI Numbers
NEDO-33219, ESBWR Functional Requirements Analysis Implementation Plan	18.4-1, 2, 3, 4, 7, 17, 18, 19
NEDO-33262, ESBWR HFE Operating Experience Review Implementation Plan	18.3-1, 2, 4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
NEDO-33266, ESBWR Human Factors Engineering Staffing and Qualifications Plan	18.6-2, 3, 4, 5, 6, 8, 10
NEDO-33278, ESBWR HFE Design Implementation Plan	18.12-1, 2, 5