



GE Energy

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

**Subject: NEDO-33201, Revision 2, "ESBWR Probabilistic Risk Assessment,"  
Sections 1 through 7**

Enclosure 1 contains the subject partial ESBWR Probabilistic Risk Assessment (PRA) document (Revision 2). Additional Chapters will be provided in the August - September, 2007 time frame and the complete PRA document will be provided by September 28, 2007, as previously outlined in our integrated plan (Reference 1).

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

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Reference:

1. MFN 07-200, Letter from James C. Kinsey to U.S. Nuclear Regulatory Commission, *Integrated Plan and Schedule – ESBWR Design Certification Application*, April 19, 2007

Enclosure:

1. MFN 07-237 – NEDO-33201, Revision 2, “ESBWR Probabilistic Risk Assessment:”
  - Section 1 – Introduction
  - Section 2 – Initiating Events
  - Section 3 – Accident Sequence Analysis
  - Section 4 – System Analysis
  - Section 5 – Data Analysis
  - Section 6 – Human Reliability Analysis
  - Section 7 – Core Damage Frequency Quantification

cc: AE Cabbage USNRC (with enclosures)  
DH Hinds GE (w/o enclosures)  
RE Brown GE (w/o enclosures)  
eDRFs 0000-0067-3722 (Section 1)  
0000-0066-8835 (Section 2)  
0000-0067-4473 (Section 3)  
0000-0067-5785 (Section 4)  
0000-0066-6907 (Section 5)  
0000-0067-4004 (Section 6)  
0000-0067-4818/1 (Section 7)

# **ENCLOSURE 1**

**MFN 07-237**

NEDO-33201, Revision 2,  
“ESBWR Probabilistic Risk Assessment:”

- Section 1 – Introduction
- Section 2 – Initiating Events
- Section 3 – Accident Sequence Analysis
- Section 4 – System Analysis
- Section 5 – Data Analysis
- Section 6 – Human Reliability Analysis
- Section 7 – Core Damage Frequency Quantification