



GE Energy

David H. Hinds  
Manager, ESBWR

P.O. Box 780 M/C L60  
Wilmington, NC 28402-0780  
USA

T 910 675 6363  
F 910 362 6363  
david.hinds@ge.com

MFN 06-158

Docket No. 52-010

May 31, 2006

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

**Subject: NRC/GE Meeting Regarding ESBWR Fuel, Codes and Topical Reports**

A meeting is scheduled at the GE offices in Wilmington, NC on June 20 – 22, 2006 with members of the NRC staff for the purpose of discussing ESBWR Fuel, Codes, related proprietary Topical Reports, and NRC RAIs on DCD Sections 4.2, 4.3, and 4.4, as they may relate to the underlying details of fuel and codes. A draft list of discussion topics/documents is provided in Enclosure 1. These discussions will include areas that GE/GNF customarily maintains in confidence and withhold from public disclosure, as evidenced by the proprietary designations (P) of the listed topical reports. Therefore, we request that this meeting be closed to members of the public. There will not be any formal presentation material associated with this meeting.

A list of GE/GNF participants in the meeting is given below:

David Hinds  
Steve Moen  
Jens Andersen  
Bob Rand  
Brian Moore  
Russ Fawcett  
et al.

DD68

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

Sincerely,

*Kathy Sedney for*

David H. Hinds  
Manager, ESBWR

Enclosure:

1. MFN 06-158 - NRC/GE Meeting Regarding ESBWR Fuel, Codes and Topical Reports - Draft List of Discussion Topics, June 20 – 22, 2006

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)

MFN 06-158  
Enclosure 1

**ENCLOSURE 1**

**MFN 06-158**

**NRC/GE Meeting Regarding ESBWR Fuel, Codes and  
Topical Reports**

**Draft List of Discussion Topics**

**June 20 – 22, 2006**

**ESBWR FUEL AND CODES MEETING**  
**June 20-22, 2006**  
**DRAFT**

Discussion Topics

- DCD Tier 2, Sections: 4.2, 4.3, 4.4
- Statistical analysis and uncertainties of ATLAS GE14 experimental data.
- Reactor Core Safety Limits
- Fuel design specifications
- Application of GEXL for ESBWR
- Codes: TGBLA, COBRAG, TRACG, PANAC11, and GSTRM
- Startup test requirements related to fuel performance and core physics/TH
- Outstanding RAIs

Documents to be Available

- ESBWR DCD Revision 1, Tier 2, Chapter 4 (including appendices)
- NEDE-33236P, GE14 Fuel Assembly Mechanical Design Report
- NEDE-33241P, GE14 Fuel Rod Thermal Mechanical Design Report
- NEDE-33238P, GE14 Pressure Drop Characteristics
- NEDE-33242P, GE14 for ESBWR Fuel Rod Thermal-Mechanical Design Report
- NEDE-33240P, GE14 for ESBWR Fuel Assembly Mechanical Design Report
- NEDE-33239P, GE14 for ESBWR Nuclear Design Report
- NEDE-33237P, GE14 for ESBWR Critical Power Correlation, Uncertainty, and OLMCPR Development
- NEDE-33243P, ESBWR Marathon Control Rod Nuclear Design Report
- NEDE-33244P, ESBWR Marathon Control Rod Mechanical Design Report
- ATLAS GE14 experimental data
- TGBLA branch cases and void coefficient calculations
- COBRAG comparative analyses and spacer position sensitivity analyses
- GSTRM input files for fuel depletion analyses
- Fuel mechanical design methodology
- Fuel assembly design and control blade design data
- GE code manuals for TGBLA, COBRAG, TRACG, PANAC11, and GSTRM