

July 3, 2002

ORGANIZATION: General Electric Nuclear Energy (GE)

SUBJECT: SUMMARY OF MEETING HELD ON JUNE 20 AND 21, 2002, TO
DISCUSS ESBWR DESIGN AND PLANS FOR PREAPPLICATION
INTERACTIONS

The Nuclear Regulatory Commission (NRC) hosted a public meeting with General Electric Nuclear Energy (GE) on June 20 and 21, 2002, at NRC Headquarters to discuss the ESBWR design and plans for preapplication interactions. A list of attendees is provided as Enclosure 1.

By letter dated April 18, 2002, GE requested a preapplication review of the reactor design - ESBWR. The ESBWR is a 1380 MWe, natural circulation, boiling water reactor design which utilizes passive safety systems. During the meeting, GE provided an overview of the ESBWR design and discussed the testing and analyses that provide the technical basis for the design. GE and the staff also discussed plans for a preapplication review of the ESBWR design. The meeting agenda is provided as Enclosure 2. GE's handouts are provided as Enclosure 3 which can be accessed through the NRC's Agencywide Documents Access and Management System (ADAMS) under Accession No. ML021760762.

During Phase I of the ESBWR preapplication which will continue until the end of July 2002, GE and the staff will reach agreement of the scope and schedule for phase II of the preapplication review. Phase II of the preapplication review will begin in August 2002, with submittal of the majority of the supporting information related to the ESBWR test program, scaling and the TRACG analysis methodology. GE also informed the staff that additional supporting information related to these topics will be submitted in September 2002. GE requested the staff to complete Phase 2 of the preapplication in April 2003. GE and the staff will have additional discussions to reach agreement on the scope and schedule for Phase 2.

/RA/

Amy E. Cubbage, Project Manager
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Office of Nuclear Reactor Regulation

Project No. 717

Enclosures: As stated

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Enclosures: As stated

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**MEETING WITH GENERAL ELECTRIC
TO DISCUSS ESBWR PREAPPLICATION**

June 20, 2001

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**MEETING WITH GENERAL ELECTRIC
TO DISCUSS ESBWR PREAPPLICATION**

June 21, 2002

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**Meeting with General Electric to discuss
ESWBR preapplication - Room T-7A1**

June 20, 2002

8:30 a.m.	Introductory Comments	NRC
8:45 a.m.	Introduction and Overview <ul style="list-style-type: none">• background, history and overview• design criteria and status• pre-application roadmap and items for review	General Electric
11:00 a.m.	Design Description <ul style="list-style-type: none">• core, vessel, CRD• auxiliary systems and turbine island• safety systems• plant arrangement and structures• similarities/differences to operating plants and ABWR	General Electric
11:40	Stakeholder Comments	
11:45 a.m.	Lunch	
12:45 p.m.	Design Description (Cont.)	General Electric
3:30 p.m.	Plant Performance <ul style="list-style-type: none">• normal operation• transients• LOCA and containment• similarities/differences to operating plants and ABWR	General Electric
4:50	Stakeholder Comments	
5:00 p.m.	Adjourn	

**Meeting with General Electric to discuss
ESWBR preapplication - Room T-7A1**

June 21, 2002

8:30 a.m.	Technology Basis	General Electric
	<ul style="list-style-type: none">• test and analysis program description• ESWBR technology program roadmap and history• analysis methodology and TRACG model description• methodology qualification• methodology application	
11:40	Stakeholder Comments	
11:45 a.m.	Lunch	
12:45 p.m.	Technology Basis (Cont.)	General Electric
1:30 p.m.	Testing and Scaling Basis	General Electric
	<ul style="list-style-type: none">• inventory control testing• decay heat removal testing at different scales• scaling and applicability of test data	
4:30 p.m.	Discussion and Conclusions	All
4:50	Stakeholder Comments	
5:00 p.m.	Adjourn	

Enclosure 3
General Electric Handouts
for
June 20 and 21, 2002, Meeting

The NRC maintains an Agencywide Documents Access and Management System (ADAMS), which provides text and image files of NRC's public documents. The handouts mentioned above may be accessed through the ADAMS system under Accession No. ML021760762. If you do not have access to ADAMS or if there are problems in accessing the handouts located in ADAMS, contact the NRC Public Document Room (PDR) Reference staff at 1-800-397-4209, 301-415-4737, or by e-mail to pdr@nrc.gov.

ESBWR

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