

January 16, 2014

MEMORANDUM TO: Ronaldo V. Jenkins, Branch Chief
Licensing Branch 3
Division of New Reactor Licensing
Office of New Reactors

FROM: David Misenhimer, Project Manager **/RA/**
Licensing Branch 3
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: SUMMARY OF DECEMBER 17, 2013 MEETING BETWEEN THE
U.S. NUCLEAR REGULATORY COMMISSION STAFF, GENERAL
ELECTRIC-HITACHI NUCLEAR ENERGY, DTE ELECTRIC COMPANY,
AND DOMINION VIRGINIA POWER TO DISCUSS THE PROGRAM
STATUS OF THE ECONOMIC SIMPLIFIED BOILING-WATER
REACTOR DESIGN CENTER

On December 17, 2013, the U.S. Nuclear Regulatory Commission (NRC) staff held a public teleconference meeting with General Electric-Hitachi Nuclear Energy (GEH), DTE Electric Company (DTE), and Dominion Virginia Power (Dominion) staff to discuss the Economic Simplified Boiling-Water Reactor (ESBWR) Design Center as part of the ESBWR Design-Centered Working Group (DCWG) meeting. A list of the meeting attendees is available in Enclosure 1.

A meeting notice was issued on December 5, 2013, and was posted on the NRC's external (public) web page. It is also available in the Agencywide Documents Access and Management System (ADAMS) Accession Number ML13338A352. The meeting was a Category 2 meeting and was open to the public.

Agenda Item Discussion:

As indicated in the revised Agenda (Enclosure 2), the action items from the November 14, 2013 DCWG meeting were discussed. GEH submitted a revised response to RAI 8.1-22 (ML13324A653) on November 20, 2013. DTE provided a supplemental response in a letter dated December 13, 2013, (ML13351A049) to RAI Letter Number 80. Therefore, all action items had been completed.

DTE's supplemental response to RAI Letter Number 80 incorporated by reference the DCD Rev 10 language. It included commitments to prepare operating procedures, maintenance procedures, and provide training to operations and maintenance personnel. Dominion stated they intended to follow what DTE had done.

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The NRC stated the topics that would be addressed in the supplemental FSER for the ESBWR DCD. These topics included: protection of the offgass system (OGS) within the turbine building; reactor pressure vessel internals; Bulletin 2012-01; seismic analysis of fuel in spent fuel and buffer pools; ESBWR DCD Tier 1, ASME code definition; ESBWR DCD Tier 1, ASME code component design verification ITAAC; and ESBWR DCD Tier 2, editorial corrections in chapters 16 and 16B. The protection of OGS within the turbine building had not been discussed in previous meetings with the DCWG. The NRC stated the topic was added to the address Regulatory Guide (RG) 1.143 and information in various sections of the DC provided sufficient information for the NRC to determine that the design was acceptable.

DTE and Dominion were asked how they planned to address steam dryer issues that were addressed in DCD Revision 10. DTE stated they will revise their COL application to: address COL Action Item 3.9.9.1-A; add license conditions requiring power ascension testing; include the submission of an as-designed report for the steam dryer; and include a requirement that an as-built report would be provided during construction. Dominion stated they intended to follow the same plan as DTE.

GEH stated their goal is to have the design certification finalized in early 2014 and ensure it supported the schedules for issuing the COLs for DTE and Dominion. The NRC stated a schedule letter for the ESBWR DC and rulemaking was being prepared and expected to be issued soon. DTE stated their goal is to receive their COL by the end of 2014. Dominion stated they plan to issue their final supplemental COL application which references DCD Revision 9 in December 2013 and expect to receive a schedule for completion of the COL review from the NRC soon afterward. Dominion agreed to work out a schedule with the NRC to provide responses to steam dryer and Bulletin 2012-01 issues presented in DCD Revision 10. Dominion stated their goal is to receive their COL in 2015.

The ESBWR DCWG developed the following action items at the end of the meeting:

1. Dominion will work out a schedule for providing their responses to the steam dryer and Bulletin 201-01 issues.
2. NRC and the DCWG to schedule the next DCWG meeting in early 2014, after Dominion has submitted their responses to the steam dryer and Bulletin 201-01 issues.

Public Participation

The meeting was open to the public.

Docket Nos.: 52-010, 52-033, 52-017

Enclosures: As stated

cc w/encls: See next page

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ADAMS Accession No.: ML14008A418

NRO-002

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NAME	DMisenhimer	SGreen	AMuñiz (TGovan for)	DMisenhimer
DATE	1/14/14	1/14/14	1/16/14	1/16/14

OFFICIAL RECORD COPY

Memorandum to Ronaldo Jenkins from David Misenhimer dated January 16, 2014

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U.S. NUCLEAR REGULATORY COMMISSION STAFF, GENERAL ELECTRIC-
HITACHI NUCLEAR ENERGY, AND DTE ELECTRIC COMPANY TO DISCUSS
THE ECONOMIC SIMPLIFIED BOILING-WATER REACTOR DESIGN
CERTIFICATION AND FERMI UNIT 3 COMBINED LICENSE APPLICATION
REQUEST FOR ADDITIONAL INFORMATION RELATED TO BULLETIN 2012-01

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LIST OF ATTENDEES

**Public Teleconference Meeting with Economic Simplified Boiling-Water Reactor
Design Center Working Group
Including General Electric-Hitachi Nuclear Energy,
DTE Electric Company and Dominion Virginia Power**

December 17, 2013, 10:00 a.m.

U.S. Nuclear Regulatory Commission, Rockville, MD

Name	Organization
David Misenhimer	NRC
Adrian Muñiz	NRC
Samir Chakrabarti	NRC
Ronaldo Jenkins	NRC
Peter Kang	NRC
Robert Fitzpatrick	NRC
Jake Zimmerman	NRC
Frank Akstulewicz	NRC
Theresa Clark	NRC
Joseph Colaccino	NRC
Michael Keegan	Don't Waste Michigan
Dan Howard	Fluor
James Robinson	GEH
Patricia Campbell	GEH
Walter (Skip) Schumitsch	GEH
David Hinds	GEH
Scott Rasmussen	GEH
Jerald Head	GEH
Jon McLamb	GEH
Brian Johnson	GEH
Michael Brandon	DTE
Norman Peterson	DTE
Nicholas Latzy	DTE
Peter Smith	DTE

Name	Organization
Mark Sartain	Dominion
Mark Giles	Dominion
Joseph Hegner	Dominion
Lansing Dusek	Fluor

**Revised
Teleconference Agenda**

**Tuesday, December 17, 2013
10:00 a.m. – 12:00 p.m.**

**U.S. Nuclear Regulatory Commission
Via Teleconference**

**Economic Simplified Boiling-Water Reactor
Design Center Working Group Public Meeting**

<u>TIME</u>	<u>TOPIC</u>	<u>LEAD</u>
10:00 a.m.	Introductions/opening remarks	All
10:10 a.m.	Action Items from November 14, 2013 ESBWR DCWG Meeting - Bulletin 2012-01	All
10:30 a.m.	ESBWR Supplemental FSER Topics	NRC
11:00 a.m.	Steam Dryer - COLA Revisions Plan	All
11:30 a.m.	ESBWR DCWG Goals	All
11:45 a.m.	Follow up Actions	All
11:50 a.m.	Public Comments	Public
12:00 p.m.	Adjourn	NRC

Enclosure 2

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cc:

(Revised 07/25/2013)

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(Revised 12/17/2013)

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