



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

July 22, 2011

LICENSEE: Tennessee Valley Authority

FACILITY: Bellefonte Nuclear Power Plant, Unit 1.

SUBJECT: SUMMARY OF JULY 14, 2011, PRE-APPLICATION MEETING WITH TENNESSEE VALLEY AUTHORITY REGARDING DIGITAL INSTRUMENTATION AND CONTROL AND HUMAN FACTORS FOR THE POTENTIAL, PROPOSED UPDATED OPERATING LICENSE APPLICATION AT BELLEFONTE NUCLEAR PLANT, UNIT 1

On July 14, 2011, a Category 1 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of Tennessee Valley Authority (TVA) at NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The purpose of the meeting was to discuss the TVA's pre-application of a potentially, proposed update to the operating license (OL) application for Bellefonte Nuclear Plant (BLN), Unit 1 related to digital instrumentation and controls (I&C) and human factors. The meeting notice was published on May 26, 2011 (Agencywide Documents and Access Management System (ADAMS) Accession No. ML111450673). A telephone bridge line was available for stakeholders that could not attend the meeting in-person.

A list of attendees is enclosed and TVA's handouts provided at the meeting may be seen in ADAMS Accession Nos. ML11200A109 and ML11200A115.

There were brief introductions of attendees.

BLN Unit 1 is currently in the deferred plant status in accordance with the Commission Policy Statement on Deferred Plants (52 FR 38077, October 14, 1987). TVA needs to submit a 120-day letter informing the NRC staff that it intends to reactivate BLN Unit 1 construction. Therefore, there are no licensing actions regarding digital I&C under NRC review for BLN Unit 1, at this time. Consequently, any discussions by the NRC staff during this meeting constitute NRC staff opinion and not an NRC agency position. TVA's decision to construct any additional nuclear facilities beyond Watts Bar Unit 2 at this time is pending.

TVA presented the slides regarding its conceptual plans for digital I&C systems and the main control room modernization. The NRC staff asked numerous clarifying questions to further understand TVA's conceptual plans at this time.

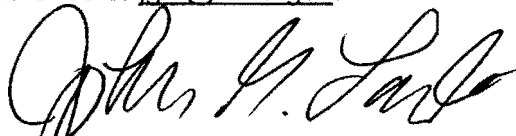
The following are the highlights from the meeting:

- The digital I&C systems will be designed by AREVA, Westinghouse, and Siemens;
- TVA plans to leverage existing topical reports;
- TVA's goal is not to rely on operator action for diversity and defense-in-depth (D3) in the first 30 minutes;
- TVA expects D3 results similar to Oconee;
- TVA plans to complete its digital system program manual in the third quarter of 2012;
- TVA plans to have all digital I&C submittals completed in the first quarter 2017;
- TVA plans to have reactor operators operate from non-safety controls during normal operation; and
- TVA plans to have a reactor operator perform safety-related actions of the emergency operating procedures from a safety panel.

No commitments, regulatory decisions, or regulatory positions were made by the NRC staff during the meeting.

There was one member of the public at this meeting. There were no public comments received. Public meeting feedback forms were made available to all meeting participants. There were no public comments received.

Please direct any inquiries to me at (301) 415-3100 or jgl1@NRC.gov.



John G. Lamb, Senior Project Manager
Special Projects Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-390

Enclosure: List of Attendees

cc w/encl: See next page

Tennessee Valley Authority

cc:

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Nuclear Generation Development
and Construction
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Chattanooga, TN 37402-2801

Mr. J. A. Bailey, Vice President
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Tennessee Valley Authority
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Chattanooga, TN 37402-2801

Mr. R. M. Krich
Vice President, Nuclear Licensing
Tennessee Valley Authority
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1101 Market Street
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Mr. Raymand A. Hruby, Jr.,
General Manager
Bellefonte Nuclear Plant Project
Nuclear Generation Development
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2744 Bellefonte Road, OSB 1A
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Mr. Z. W. Rad, Manager, Licensing
Units 1 and 2, Bellefonte Nuclear Plant
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and Construction
2744 Bellefonte Road, OSB 1A
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BELLEFONTE NUCLEAR PLANT

Mr. Preston D. Swafford
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Executive Vice President
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State Health Officer
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Chairman
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Director
Alabama Emergency Management Agency
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PRE-APPLICATION MEETING ATTENDEES

REGARDING POTENTIAL PROPOSED UPDATE TO OPERATING LICENSE APPLICATION

RELATED TO DIGITAL INSTRUMENTATION AND CONTROLS AND HUMAN FACTORS

BELLEFONTE NUCLEAR PLANT, UNIT 1

JULY 14, 2011

<u>NAME</u>	<u>COMPANY</u>
John G. Lamb	U.S. Nuclear Regulatory Commission (NRC), Office of Nuclear Reactor Regulation (NRR)
Bruce Baval	NRC/NRR
Norbert Carte	NRC/NRR
Undine Shoop	NRC/NRR
Steve Campbell	NRC/NRR
Rick Stattel	NRC/NRR
Molly Keefe	NRC/NRR
David Rahn	NRC/NRR
Kamishan Martin*	NRC/NRR
Terry Jackson	NRC, Office of New Reactors (NRO)
Deidre Spaulding-Yeoman	NRC/NRO
David Santos	NRC/NRO
Mike Junge	NRC/NRO
James Bongarra	NRC/NRO
Paul Peringer	NRC/NRO
Jack Zhao	NRC/NRO
Jing Xing	NRC, Office of Nuclear Regulatory RES
Zack Rad	Tennessee Valley Authority (TVA)
Walter Justice	TVA
Erin West	TVA
Alvin Hinson	TVA
Jim Hawks	TVA
Jerry Mauck	TVA
Sean Kelley	AREVA
Lionel Bates	AREVA
Roger Wyatt	AREVA
Martin Bryan	AREVA
Robert Kershner	AREVA
Desmond Raymond	AREVA
Dominick Logalbo	AREVA
Fernando Ricart*	AREVA
Stuart Bondurant*	AREVA
Finley Nunn*	Westinghouse
Steve Seaman	Westinghouse
Deann Raleigh	Scientech

*via phone

Enclosure

Summary of July 14, 2011 meeting with Tennessee Valley Authority (TVA) from John G. Lamb dated July 22, 2011.

Distribution:

LPWB Reading

RidsAcrsAcnw_MailCTR Resource

RidsNrrDeEicb Resource

RidsNrrDirslhpb Resource

RidsNrrDorl Resource

RidsNrrDorlP-Wb Resource

RidsNro

SBush-Goddard, EDO

CStegre, NRR

BBavol, NRC/NRR

NCarte, NRC/NRR

RStattel, NRC/NRR

KMartin, NRC/NRR

DSpaulding-Yeoman, NRC/NRO

MJunge, NRC/NRO

JXing, NRC/Office of Regulatory RES

RidsOpaMail Resource

RidsRgn2MailCenter Resource

RidsNrrPMWattsBar1 Resource

RidsNrrLABClayton Resource

GBowman, EDO

RHannah, OPA RII

RidsOgcRp Resource

MKeefe, NRC/NRR

DRahn, NRC/NRR

TJackson, NRC/NRO

DSantos, NRC/NRO

JBongarra, NRC/NRO

JZhao, NRC/NRO

PPeringer, NRC/NRO

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/RA/

John G. Lamb, Senior Project Manager
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 Division of Operating Reactor Licensing
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cc w/encl: See next page

Package Accession No.: ML11200A124 Meeting Notice Accession No: ML111450673
 Meeting Summary Accession No.: ML112000099 Handout Accession Nos.: ML11200A109 and ML11200A115

OFFICE	DORL/LPWB/PM	DORL/LPWB/LA	DORL/LPWB/BC
NAME	JLamb	BClayton	SCampbell
DATE	7/22/11	7/21/11	7/22/11

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