

November 17, 2011

MEMORANDUM TO: James Beardsley, Branch Chief
Construction Inspection Programs Branch
Division of Construction Inspection
& Operational Programs
Office of New Reactors

FROM: Thomas Fredette, Reactor Operations Engineer */RA/*
Construction Inspection Programs Branch
Division of Construction Inspection
& Operational Programs
Office of New Reactors

SUBJECT: SUMMARY OF OCTOBER 25, 2011 CATEGORY 2 MEETING WITH
THE AP1000 DESIGN-CENTERED WORKING GROUP (DWCG) AND
THE GENERAL PUBLIC TO DISCUSS INSPECTION STRATEGIES
FOR THE AP1000 INSTRUMENTATION & CONTROL (I&C) SYSTEMS
DESIGN ACCEPTANCE CRITERIA (DAC) AND RELATED ITAAC

On October 25, 2011, a Category 2 public meeting was held between U.S. Nuclear Regulatory Commission (NRC) staff from the Construction Inspection Program Branch (CIPB) of the Division of Construction Inspection and Operational Programs (DCIP) in the Office of New Reactors (NRO), the AP1000 Design-Centered Working Group (DCWG), and the general public. The meeting was held at NRC Headquarters, 11545 Rockville Pike in Rockville, Maryland. The purpose of the meeting was to discuss the AP1000 DCWG's strategy and plans for resolving Digital Instrumentation & Control (DI&C) Design Acceptance Criteria (DAC), and to provide an overview of the staff's approach to inspection of DI&C DAC and related ITAAC.

The staff opened the meeting by discussing and highlighting the importance of an applicant/licensee schedule in the overall strategy for completion of DI&C DAC and subsequent NRC inspection. The discussion emphasized close interaction between NRC and applicants/licensees, as well as early engagement and identification of issues to allow staff to plan for, and make optimal use of, inspection resources to avoid pushing inspection of DI&C DAC/ITAAC deep into the facility construction phase.

The DCWG presented its plan for DI&C DAC/ITAAC completion, including status and closure strategy. The discussion included information regarding key DI&C development milestones for the AP1000 Protection and Safety Monitoring System and related sub-components. The milestones indicated that associated DAC/ITAAC inspection could be conducted in early 2012.

The staff presented an overview of the DI&C DAC/ITAAC inspection process and how it would be applied for the AP1000 DAC/ITAAC. The staff emphasized that inspection would take place after DI&C development milestones are reached and the applicant/licensee informs the staff that they have completed the requirements for the associated DAC/ITAAC.

The staff expressed a preference to conduct these inspections within some timeframe after the development milestone is reached (approximately 2 months). This would allow the staff to efficiently plan for the inspections. To facilitate continued dialog between the staff and the DCWG in the lead up to completion of DI&C development and subsequent inspection, the staff took an action item to host periodic teleconference calls with the DCWG to gather schedule updates, identify issues that may impact DI&C development or inspection, and to offer resolution to those issues.

Docket Nos. 52-014, 52-015, 52-018, 52-019, 52-022, 52-023, 52-025, 52-026, 52-027, 52-028, 52-29, 52-30, 52-40, 52-41

Members of the public were in attendance, but Public Meeting Feedback forms were not received. Please direct any inquiries to me at 301-415-8538, or thomas.fredette@nrc.gov.

Enclosure:

1. Attendance List

cc w/encl: See next page

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NAME	T. Fredette	J. Beardsley
DATE	11/17/11	11/17/11

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**CATEGORY 2 PUBLIC MEETING
INSPECTION STRATEGIES FOR AP1000 DIGITAL I&C SYSTEMS
DESIGN ACCEPTANCE CRITERIA (DAC)**

**October 25, 2011
Location: Two White Flint North, Rockville, MD**

Meeting Attendees

Name	Organization
James Bearsley	NRO/DCIP/CIPB
John-Chau Nguyen	NRO/DCIP/CIPB
Ravi Joshi	NRO/DNRL
Eileen McKenna	NRO/DNRL
Steve Seaman	AP1000 DCWG-Westinghouse
Bob Seelman	AP1000 DCWG-Westinghouse
Warren Odess-Gillett	AP1000 DCWG-Westinghouse
Julie Giles	AP1000 DCWG-SCANA
Thom Ray	AP1000 DCWG-Westinghouse
Mamoud Jardaneh	NRO/CTSB/CIT
Terry Jackson	NRO/DE
William Roggenbrodt	NRO/DE
Jack Zhao	NRO/DE
Amy Aughtman	AP1000 DCWG-Southern Nuclear
James Flowers	AP1000 DCWG-Southern Nuclear
Bob Hirmanpour	AP1000 DCWG-Southern Nuclear
Greg Galletti	NRO/DCIP/CQVA
Bernard Dittman	NRC/NRR
Andy Hon	NRC/NRR
Tom Tweedle	AP1000 DCWG-Westinghouse
Julia Forbes	AP1000 DCWG-Progress Energy
David Carroll	AP1000 DCWG-SCANA
Seth Peasley	AP1000 DCWG-Westinghouse
Deann Raleigh	Scientech/Curtiss-Wright
Ian Jung	NRO/DE
Thomas Fredette	NRO/DCIP/CIPB
via telephone bridge line	
Masrur Khan	Bechtel Corporation
Al Passwater	Enercon
Mark Lesser	NRC/RII
Louis Dumont	NRC/RII
Lisa Castelli	NRC/RII
Chelsea Smith-Standberry	NRC/RII
Theo Fanelli	NRC/RII

DCWG - Combined (All)
cc:

(Revised 04/13/2011)

Mr. Ray Aycock
Field Supervisor
U.S. Fish and Wildlife Service
Mississippi Ecological Services Office
6578 Dogwood View Parkway
Jackson, MS 39213

Director
Division of Compliance & Inspection
Bureau of Radiation Control
Texas Department of State Health Services
1100 West 49th Street
Austin, TX 78756-3189

Mr. Richard L. Baker
Bechtel Power Corporation
5275 Westview Drive
Frederick, MD 21703-8306

Mr. Eugene S. Grecheck
Vice President
Nuclear Support Services
Dominion Energy, Inc.
5000 Dominion Blvd.
Glen Allen, VA 23060

Paul M. Bessette
Morgan, Lewis & Bockius LLP
1111 Pennsylvania Avenue, NW
Washington, DC 20004

Ms. Sophie Gutner
P.O. Box 4646
Glen Allen, VA 23058

Scott Bond
Callaway Plant
P.O. Box 620
Fulton, MO 65251

Mr. Brian Hastings
Public Utility Commission
William B. Travis Building
P.O. Box 13326
1701 North Congress Avenue
Austin, TX 78701-3326

Ms. Michele Boyd
Legislative Director
Energy Program
Public Citizens Critical Mass Energy
and Environmental Program
215 Pennsylvania Avenue, SE
Washington, DC 20003

Mr. Adam C. Heflin
Senior Vice President and
Chief Nuclear Officer
AmerenUE/Callaway Plant
P.O. Box 620
Fulton, MO 65251

Ms. Cindy Brizes
U.S. Department of Energy
P.O. Box A
Aiken, SC 29802

Mr. Ronald Kinney
South Carolina DHEC
2600 Bull Street
Columbia, SC 29201

Mr. Barton Z. Cowan, Esquire
Eckert Seamans Cherin & Mellott, LLC
600 Grant Street, 44th Floor
Pittsburgh, PA 15219

Dr. Regis A. Matzie
Senior Vice President and
Chief Technology Officer
Westinghouse Electric Company
20 International Drive
Windsor, CT 06095

DCWG - Combined (All)

Mr. Norris McDonald
President
AAEA
9903 Caltor Lane
Ft. Washington, MD 20744

Dr. Masanori Onozuka
Mitsubishi Nuclear Energy Systems, Inc.
1001 19th Street North, Suite 710
Arlington, VA 22201-5426

Dr. C. Keith Paulson
Mitsubishi Nuclear Energy Systems, Inc.
300 Oxford Drive, Suite 301
Monroeville, PA 15146

PBMR Pty. Limited
Lake Buena Vista Building
1267 Gordon Hood Avenue
PO Box 9396
Centurion 0046
Republic of South Africa

Mr. Ernest Reed
Living Education Center
for Ecology and the Arts
P.O. Box 2612
Charlottesville, VA 22902

Mr. Tom Sliva
7207 IBM Drive
Charlotte, NC 28262

Mr. David W. Sutherland
Chesapeake Bay Field Office
U.S. Fish and Wildlife Service
177 Admiral Cochrane Drive
Annapolis, MD 21401

Mr. Robert E. Sweeney
IBEX ESI
4641 Montgomery Avenue
Suite 350
Bethesda, MD 20814

Mr. Ed Wallace
General Manager - Projects
PBMR Pty LTD
P. O. Box 9396
Centurion 0046
Republic of South Africa

Mr. Gary Wright, Director
Division of Nuclear Facility Safety
Illinois Emergency Management Agency
1035 Outer Park Drive
Springfield, IL 62704

DCWG - Combined (All)

Email

alsterdis@tva.gov (Andrea Sterdis)
amonroe@scana.com (Amy Monroe)
APAGLIA@Scana.com (Al Paglia)
APH@NEI.org (Adrian Heymer)
awc@nei.org (Anne W. Cottingham)
bevans@enercon.com (Bob Evans)
Bill.Jacobs@gdsassociates.com (Bill Jacobs)
Bill.Moore@luminant.com (Bill Moore)
BrinkmCB@westinghouse.com (Charles Brinkman)
brock.degeyter@energyfutureholdings.com (Brock Degeyter)
Carellmd@westinghouse.com (Mario D. Carelli)
ck_paulson@mnes-us.com (Keith Paulson)
ckpaulson@aol.com (C.K. Paulson)
CumminWE@Westinghouse.com (Edward W. Cummins)
cwaltman@roe.com (C. Waltman)
david.hinds@ge.com (David Hinds)
david.lewis@pillsburylaw.com (David Lewis)
DeLaBarreR@state.gov (R. DeLaBarre)
DJW@NEI.org (Doug Walters)
donald.woodlan@luminant.com (Donald Woodlan)
ecullington@earthlink.net (E. Cullington)
eddie.grant@excelservices.com (Eddie Grant)
erg-xl@cox.net (Eddie R. Grant)
frank_quinn@comcast.net (Frank Quinn)
Fred.Madden@luminant.com (Fred Madden)
gcesare@enercon.com (Guy Cesare)
gedgar@morganlewis.com (George Edgar)
GovePA@BV.com (Patrick Gove)
gwcurtis2@tva.gov (G. W. Curtis)
gzinke@entergy.com (George Alan Zinke)
hickste@earthlink.net (Thomas Hicks)
ian.c.rickard@us.westinghouse.com (Ian C. Richard)
james.beard@gene.ge.com (James Beard)
JCaldwell@luminant.com (Jan Caldwell)
jeff.simmons@energyfutureholdings.com (Jeff Simmons)
jerald.head@ge.com (Jerald G. Head)
jim.riccio@wdc.greenpeace.org (James Riccio)
joel.Friday@ge.com (Joel Friday)
John.Only@luminant.com (John Conly)
john.elnitsky@pgnmail.com (John Elnitsky)
Joseph_Hegner@dom.com (Joseph Hegner)
joseph_tapia@mnes-us.com (Joseph Tapia)
junichi_uchiyama@mnes-us.com (Junichi Uchiyama)
karen@seedcoalition.org (Karen Hadden)

DCWG - Combined (All)

KSutton@morganlewis.com (Kathryn M. Sutton)
kwaugh@impact-net.org (Kenneth O. Waugh)
lchandler@morganlewis.com (Lawrence J. Chandler)
lois@ieer.org (Lois Chalmers)
Marc.Brooks@dhs.gov (Marc Brooks)
maria.webb@pillsburylaw.com (Maria Webb)
marilyn.kray@exeloncorp.com
mark.beaumont@wsms.com (Mark Beaumont)
mark.g.giles@dom.com (Mark Giles)
masanori_onozuka@mnes-us.com (Masanori Onozuka)
masayuki_kambara@mhi.co.jp (Masayuki Kambara)
matias.travieso-diaz@pillsburylaw.com (Matias Travieso-Diaz)
maurerbf@westinghouse.com (Brad Maurer)
mbowling@numarkassoc.com (Marty Bowling)
media@nei.org (Scott Peterson)
melto1ma@westinghouse.com (Michael Melton)
mike.blevins@luminant.com (Mike Blevins)
mike_moran@fpl.com (Mike Moran)
mlucas3@luminant.com (Mitch Lucas)
MSF@nei.org (Marvin Fertel)
mwetterhahn@winston.com (M. Wetterhahn)
nirsnet@nirs.org (Michael Mariotte)
Nuclaw@mindspring.com (Robert Temple)
patriciaL.campbell@ge.com (Patricia L. Campbell)
Paul@beyondnuclear.org (Paul Gunter)
pbessette@morganlewis.com (Paul Bessette)
pshastings@duke-energy.com (Peter Hastings)
rbird1@luminant.com (Bobby Bird)
rclary@scana.com (Ronald Clary)
REB@NEI.org (Biff Bradley)
Rebecca.Smith-Kevern@nuclear.energy.gov (Rebecca Smith-Kevern)
RJB@NEI.org (Russell Bell)
robert.kitchen@pgnmail.com (Robert H. Kitchen)
sandra.sloan@areva.com (Sandra Sloan)
sfrantz@morganlewis.com (Stephen P. Frantz)
shinji_kawanago@mnes-us.com (Shinji Kawanago)
sid.kere@dom.com (Sid Kere)
stephan.moen@ge.com (Stephan Moen)
steven.hucik@ge.com (Steven Hucik)
tgilder1@luminant.com (Tim Gilder)
tkkibler@scana.com (Tria Kibler)
tom.miller@nuclear.energy.gov (Thomas P. Miller)
tomccall@southernco.com (Tom McCallum)
Tony_Banks@dom.com (Tony Banks)
trsmith@winston.com (Tyson Smith)

DCWG - Combined (All)

Vanessa.quinn@dhs.gov (Vanessa Quinn)
vijukrp@westinghouse.com (Ronald P. Vijuk)
Wanda.K.Marshall@dom.com (Wanda K. Marshall)
wayne.marquino@ge.com (Wayne Marquino)
whorin@winston.com (W. Horin)