

April 28, 2009

APPLICANTS: AREVA NP, UNISTAR, AMERENUE, PPL
PROJECT: U.S. EPR
SUBJECT: SUMMARY OF OCTOBER 30, 2008, PUBLIC MEETING OF THE
U.S. EPR DESIGN CENTER WORKING GROUP WITH THE U.S.
NRC REGARDING SCOLA ACCEPTANCE REVIEW STATUS, AND
INTEGRATED REVIEW SCHEDULE

On October 30, 2008, a Category 2 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and representatives of the U.S. EPR Design Center Working Group (DCWG), at NRC Headquarters, Two White Flint North, 11545 Rockville Pike, Rockville, Maryland. The meeting notice with the agenda can be found in the Agencywide Documents Access and Management System (ADAMS) (Accession No. ML082810326). The purpose of this meeting was to conduct an overview and discuss the Acceptance Review status of the Nine Mile Point Unit 3 and Bell Bend Combined License (COL) applications, the Acceptance Review status of the Callaway COL application (COLA), the status of the Calvert Cliffs COLA review, and the Integrated Review Schedule for four COLA reviews and AREVA NP's EPR Design Certification (DC) application. The DCWG is comprised of representatives from AREVA NP, UniStar Nuclear Energy, AmerenUE, and Pennsylvania Power and Light (PPL). Enclosure 1 lists the meeting attendees which includes members of the public, some of whom joined the meeting via telephone conference bridge provided by the NRC.

The meeting started at 9:00 a.m. (Eastern Time). After the opening remarks and introductions of the attendees, meeting ground rules and logistics were announced. The staff then presented a status of the Acceptance Reviews for the Nine Mile Point 3 (NMP3), Bell Bend, and Callaway Subsequent COL applications (SCOLAs). The staff stated that the Acceptance Reviews for the NMP3 and Bell Bend COLAs were on schedule; for the Callaway application, the applicant submitted a supplement for FSAR Section 2.5.2 which did not fully address the issues identified during the Acceptance Review; this resulted in NRC issuing a status letter to the applicant on October 16, 2008. The next presentation by the staff covered the status of the Calvert Cliffs Unit 3 Reference COLA (RCOLA) Phase 1 Review. The staff discussed the status of the Safety Review related RAs and Environmental Review related RAs. The staff pointed out the key DC schedule constraints on RCOL schedule and presented Schedule Milestones with Management Reserve. The staff identified challenges to the review schedule to include multiple supplements and submittals, missed dates for submittals, and electronic submittals not being appropriate for ADAMS. The staff concluded that (i) Calvert Cliffs RCOLA review schedule was tied to AREVA DC review schedule, (ii) uncertainties for the RCOLA review were under UniStar's control, and (iii) RAI responses had typically been timely. Slides of these presentations are included as Enclosure 2 to this meeting summary and can be found in ADAMS (Accession No. ML083180518).

At the conclusion of the above presentations and discussion, the public was given an opportunity to comment and ask questions of the NRC staff. There were no comments or questions from members of the public.

After a short break, UniStar provided an overview of the Nine Mile Point 3 SCOLA, covering these topics: "Plant Location," "General Plant Description," "Environmental Discussion (including supplements)," "System, Structure and Component Differences," "Departures and Exemptions (site-specific only)," "Industry COLA Experience," "EPR COLA Experience," "SCOLA Impacts on RCOLA." The NRC staff pointed out that there were site-specific issues involving FSAR Section 2.5.2 of the NMP3 SCOLA, and that more detailed documentation on the sensitivity study including laboratory test results would be needed. Two members of the public requested answers to the following:

- UniStar/Mid-America ownership issue - what impacts could it have on the review process?
- 316b cooling tower issue - how was this addressed for Calvert Cliffs, and how would the review of this issue at Calvert impact NMP3?

Following the lunch break, PPL provided an overview of the Bell Bend SCOLA, covering these topics: "Plant Location," "General Plant Description," "Environmental Discussion (including supplements)," "Site Specific Systems, Structures and Components," "Departures and Exemptions – Site Specific," "Industry COLA Experience," "EPR COLA Experience," and "SCOLA Impacts on RCOLA."

Slides of these presentations by UniStar and PPL are included as Enclosure 3 to this meeting summary and can be found in ADAMS (Accession No. ML083180471).

At the conclusion of the above presentations and discussion, the public was given an opportunity to comment and ask questions of the NRC staff; there were no further comments or questions from members of the public.

After a short break, UniStar discussed the organization of the U.S. EPR DCWG. It was pointed out that U.S. EPR DCWG had been working without a charter, and that it would have a formal charter; representatives would be from AREVA and the COLA applicants; a facilitator would be assigned; Mr. George Wrobel of UniStar was the current point of contact; and the primary objective of the U.S. EPR DCWG was to interface between AREVA and COL applicants. It was also pointed out that U.S. EPR DCWG would coordinate responses to NRC Requests for Additional Information (RAIs) as well as COL Information Items, and would hold routine teleconferences.

Following the discussion on "Organization of the U.S. EPR DCWG," the staff provided a status of the U.S. EPR DC application review. The staff indicated that Phase 1 review of Chapters 2, 7, and 18 was completed, and the rest of the chapters were on or close to the published schedule for completion. As for Phase 3 review, presentations to the Advisory Committee on Reactor Safeguards (ACRS) would be made in four groups as Phase 2 is completed. The staff emphasized that some COLA site-specific seismic loadings were significantly higher than the EPR standard design bounding loading, and this would present potential schedule risk to the DC review. The staff also mentioned that a joint decision was made by AREVA and UniStar to resubmit a topical report (TR) on fuel racks for spent fuel pool for review under the EPR DC docket. The staff summarized that the review was progressing relatively well, and the electronic RAI process had worked well; however, several potential schedule and technical challenges remained. The staff mentioned that responses to RAIs would be a topic at the January 2009 DCWG meeting.

Slides of this presentation are included in Enclosure 2 to this meeting summary and can be found in ADAMS (Accession No. ML083180518).

Agenda item "Timing of Revisions to All EPR Design Center Applications" covered discussion on these: (i) Schedule - changes (levels 1, 2, 3) impacting RCOLA; (ii) RAIs, Open Items (OIs), and Safety Evaluation Report (SER); (iii) Major design change impacting Chapters, COLAs; (iv) COL Information Items driven by industry that impact COLAs; (v) "Synchronization" of DC and COLAs – how will NRC receive the new COL Information Items speedily – through response to RAIs, through revisions, or other ways?; (vi) Revision to Tier 1; (vii) Aligning standard sections of RCOLA and SCOLAs; (viii) Supplemental Information incorporated into revisions; (ix) Annual revision to COLAs; (x) revisions in the middle of review; (xi) Synchronization between RCOLA and SCOLAs. The staff emphasized (i) Minimizing supplements and revisions, and (ii) Coordinating across DC and COLAs. UniStar mentioned there were other reasons the application could change. For instance, FAA has requirements regarding cooling towers that could result in an application change. Additionally, UniStar said it would submit a supplement on "Intake Structure" relocation for Calvert Cliffs. UniStar further stated that it would assess options on how best to address NRC's concern on potential schedule risks, and will weigh the value of supplements vs. revisions.

At the conclusion of the above presentations and discussion, the public was given an opportunity to comment and ask questions of the NRC staff. One member of the public expressed concern that it was difficult to use ADAMS with tracking numbers vs. actual ML numbers; he also asked for the single point of contact for the DCWG. The staff advised that he could contact the NRC staff on questions regarding specific DC or COL applications. This member of the public also wanted to know if Nine Mile Point 3 application had referenced the 1992 or a later version of the EPA PAG (Protective Action Guidelines). The staff informed him that, while a draft of a proposed revision existed, the 1992 version of the EPA PAG had not been superseded by a later version yet.

The meeting was adjourned at 2:56 p.m. (Eastern Time).

Questions regarding this meeting can be directed to Prosanta Chowdhury at 301-415-1647 or via email at Prosanta.Chowdhury@nrc.gov.

Sincerely,

/RA/

Prosanta Chowdhury, Project Manager
US EPR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Docket Nos.: 52-016, 52-020, 52-037, 52-038, 52-039

Enclosures:

1. List of Attendees
2. NRC Presentation Slides (ML083180518)
3. US EPR DCWG Presentation Slides (ML083180471)

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Prosanta Chowdhury, Project Manager
US EPR Projects Branch
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Office of New Reactors

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DISTRIBUTION:

PUBLIC	PChowdhury	RidsNroDnrlNarpResource
DNRL/NARP R/F	GTesfaye	RidsAcrcAcnwMailCenterResource
MCanova	SArora	RidsOgcMailCenterResource
JMcLellan	JRycyna	

ADAMS ACCESSION NO.: ML083180468 (Package) ML090960448 (Summary) NRO-002

OFFICE	DNRL/NARP: PM	DNRL/NARP: LA	DNRL/NARP: PM	DNRL/NARP: PM
NAME	PChowdhury*	JMcLellan*	GTesfaye*	JRycyna*
DATE	04/06/09	04/08/09	04/14/09	04/20/09
OFFICE	DNRL/NARP: PM	DNRL/NARP: PM	DNRL/NARP: BC	
NAME	MCanova*	SArora	JColaccino	
DATE	04/21/09	04/22/09	04/28/09	

* See prior concurrence page

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EPR Design Center Working Group Meeting with the NRC to Discuss
 SCOLA Acceptance Review Status, and Integrated Review Schedule
 October 30, 2008
 Attendance Lists

Name	Affiliation
George Wrobel	UniStar
Steve Strout	UniStar
Martin Owens	AREVA
Darrell Gardner	AREVA
John Rycyna	NRC
Terry Harpster	PPL
Al Passwater	UniStar
M J Cain	UniStar
Rick Williamson	AREVA
Sandra M. Sloan	AREVA
David Shafer	Ameren UE
Christian Clement	UniStar
Jim Freels	PPL
Stephen Geier	UniStar
Robert Poche	UniStar
Pedro Salas	AREVA
Ray Lewis	AREVA
Surinder Arora	NRC
Getachew Tesfaye	NRC
M. Dusaniwskyi	NRC/NRR/DPR/PFPB
S. Harwell	NRC/NRR/DPR/PFPB
M. Canova	NRC/NRO/DNRL/NARP
Jaclyn Dorn	NRC/NRO/DSRA/SRSB
Jeff Temple	NRC/NSIR/DPR
Earl P. Libby	NRC/NRO/DNRL/NRGA
Hanh Phan	NRC/NRO/DSRA
Swagata Som	NRC/NRO/DE
Peter J. Kang	NRC/NRO/DE
Robert Vettori	NRC/NRO/DSRA
Paul Infanger	UniStar
Dan Barnhurst	NRC/NRO/RHEB
James Steckel	NRC/NRO/DNRL/NARP
Pete Hearn	NRC/NRO/DNRL/NARP
John Honcharik	NRC/NRO/DE
Raju Patel	NRO/DCIP/CQVP
Jenny Weil	McGraw-Hill
Steve LaVie	NRC/NSIR
Jacob M. Kulangara	Bechtel Power
Prosanta Chowdhury	NRC/NRO
Rocky Sgarro	PPL Bell Bend

George Cicotte	NRC/NRO/DCIP/CHPB
Norris McDonald	CECE
Philip Brandt	NRC/NRO/DSER/RAP2
Derek Widmayer	NRC/ACRS
Joseph Colaccino	NRC/NRO/NARP
David Sisk	NRC/NRO
Stacey Imboden	NRC/NRO
Weijun Wang	NRO
Milton Valentin	NRO/DE
Pete Lee	NRC/NSIR
Lynn Mrowca	NRO/DSRA/SPLA
Marvin Lewis (by phone)	Public
Carlos L. Sisco (by phone)	Winston & Strawn LLP
Connie Wescott (by phone)	Argonne National Lab
Paul Gunter (by phone)	Beyond Nuclear
Norris McDonald	Public

DCWG - Combined (All)
cc:

(Revised 03/25/2009)

Mr. Glenn H. Archinoff
AECL Technologies
481 North Frederick Avenue
Suite 405
Gaithersburg, MD 20877

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

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

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

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

Mr. Jay M. Gutierrez
Morgan, Lewis & Bockius, LLP
111 Pennsylvania Avenue, NW
Washington, DC 20004

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

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

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

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

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

Mr. Tim E. Herrmann
Vice President, Nuclear Engineering
AmerenUE
P.O. Box 620
Fulton, MO 65251

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

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

DCWG - Combined (All)

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

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

Dr. Masanori Onozuka
Mitsubishi Nuclear Energy Systems, Inc.
2300 Wilson Blvd.
Suite 300
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

Charles Peterson
Pillsbury, Winthrop, Shaw & Pittman, LLP
2300 "N" Street, NW
Washington, DC 20037

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)
barbara.lee-murphy@constellation.com (Barbara Lee-Murphy)
barbara.perdue@unistarnuclear.com (Barbara Perdue)
bevans@enercon.com (Bob Evans)
Bill.Moore@luminant.com (Bill Moore)
bob.brown@ge.com (Robert E. Brown)
BrinkmCB@westinghouse.com (Charles Brinkman)
brock.degeyter@energyfutureholdings.com (Brock Degeyter)
Carellmd@westinghouse.com (Mario D. Carelli)
carey.fleming@constellation.com (Carey Fleming)
chris.maslak@ge.com (Chris Maslak)
ck_paulson@mnes-us.com (Keith Paulson)
ckpaulson@aol.com (C.K. Paulson)
CumminWE@Westinghouse.com (Edward W. Cummins)
cwaltman@roe.com (C. Waltman)
dan1.williamson@ge.com (Dan Williamson)
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)
garry.miller@pgnmail.com (Garry D. Miller)
gcesare@enercon.com (Guy Cesare)
gedgar@morganlewis.com (George Edgar)
george.honma@ge.com (George Honma)
GovePA@BV.com (Patrick Gove)
greshaja@westinghouse.com (James Gresham)
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)
Jean.Amundson@luminant.com (Jean Amundson)
jeff.simmons@energyfutureholdings.com (Jeff Simmons)

DCWG - Combined (All)

jgutierrez@morganlewis.com (Jay M. Gutierrez)
jim.riccio@wdc.greenpeace.org (James Riccio)
jim@ncwarn.org (Jim Warren)
jin_chung@mnes-us.com
JJNesrsta@cpsenergy.com (James J. Nesrsta)
joel.Friday@ge.com (Joel Friday)
John.Conly@luminant.com (John Conly)
John.O'Neill@pillsburylaw.com (John O'Neill)
john.sorensen@ge.com (John Sorensen)
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)
kcrogers@aol.com (K. C. Rogers)
KSutton@morganlewis.com (Kathryn M. Sutton)
kwaugh@impact-net.org (Kenneth O. Waugh)
lchandler@morganlewis.com (Lawrence J. Chandler)
lois@ieer.org (Lois Chalmers)
lou.lanese@ge.com (Lou Lanese)
Marc.Brooks@dhs.gov (Marc Brooks)
maria.webb@pillsburylaw.com (Maria Webb)
marilyn.kray@exeloncorp.com
mark.beaumont@wsms.com (Mark Beaumont)
Marvin.Smith@dom.com (Marvin L. Smith)
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)
mgiles@entergy.com (M. Giles)
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)
pareez.golub@ge.com (Pareez Golub)
patriciaL.campbell@ge.com (Patricia L. Campbell)
paul.gaukler@pillsburylaw.com (Paul Gaukler)
Paul@beyondnuclear.org (Paul Gunter)
pshastings@duke-energy.com (Peter Hastings)
rbird1@luminant.com (Bobby Bird)
rclary@scana.com (Ronald Clary)
REB@NEI.org (Biff Bradley)

DCWG - Combined (All)

Rebecca.Smith-Kevern@nuclear.energy.gov (Rebecca Smith-Kevern)
RJB@NEI.org (Russell Bell)
RKTemple@cpsenergy.com (R.K. Temple)
robert.kitchen@pgnmail.com (Robert H. Kitchen)
sandra.sloan@areva.com (Sandra Sloan)
SauerB@BV.com (Robert C. Sauer)
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)
trsmith@winston.com (Tyson Smith)
Vanessa.quinn@dhs.gov (Vanessa Quinn)
VictorB@bv.com (Bill Victor)
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)