

May 11, 2007

APPLICANT: Westinghouse

SUBJECT: SUMMARY OF THE APRIL 11 AND 12, 2007, MEETING TO DISCUSS AP1000
PLANT OPERATING PROCEDURES

On April 11, and 12, 2007, an open and closed meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of Westinghouse, at the Westinghouse Offices in Monroeville, PA. The purpose of the meeting was to discuss procedure development issues related to the AP1000 reactor design. A list of meeting attendees is included as Enclosure 1, and the agenda is included as Enclosure 2. Enclosures 3 and 4 contain Westinghouse meeting handouts, which can be accessed through the Agencywide Documents Access and Management System (ADAMS). This system provides text and image files of NRC's public documents. The handout mentioned above may be accessed through the ADAMS system under Accession No. ML071160243. 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 reference staff at 1-800-397-4209, 301-415-4737 or by e-mail to pdr@nrc.gov. A summary of the meeting is included below.

The meeting started with Westinghouse discussing their philosophy for addressing combined license information items. Westinghouse described their Writer's Guidelines for the Normal Operating and Two-Column Format Procedures, which contain the methodology and criteria for procedure development. Westinghouse discussed the schedule and status for development of the normal, abnormal, and emergency operating procedures. The abnormal and emergency operating procedures are part of the computerized procedure system (CPS). The CPS will not provide any automatic actions or operations, and is not interactive. As part of the control room demonstration, the NRC staff was able to observe the Westinghouse operators using the CPS during a simulated event. The NRC staff audited a variety of procedures which have been completed to date. At the end of the meeting, the NRC staff stated that technical report 70 needs to follow the guidelines contained in NUREG 0711. In particular, NRC staff stated that under Section 9.4, criterion 2, Westinghouse needed to explain in their basis for procedure development, the task analyses results, and the risk-important human actions identified in the human risk assessment and the probabilistic risk assessment. For criterion 7, the NRC staff determined that Westinghouse needs to provide an analysis on the impact of providing computer-based procedures. Lastly, the NRC staff discussed that criterion 9 asks for a description of the means by which operators access and use procedures as part of the human factors engineering design process.

Members of the public were in attendance.

Please direct any inquires concerning this meeting to Steven Bloom at 301-415-1313, or sdb1@nrc.gov.

/RA/

Steven D. Bloom, Senior Project Manager
AP1000 Project Branch 1
Division of New Reactor Licensing
Office of New Reactors

Project No. 740

Enclosures:

1. List of Attendees
2. Agenda
3. AP1000 Plant Operating Procedures Handout (ML071100210)
4. Overview of Technical Report 70, Revision 1 (ML071100212)

cc: See next page

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**Meeting with Westinghouse Related
to AP1000 Plant Operating Procedures**

**Wednesday, April 11 and Thursday, April 12, 2007
1:30 p.m. to 5:00 p.m. (April 11) and 8:30 a.m. to 2:00 p.m. (April 12)
Westinghouse Office, Monroeville, PA**

Name	Organization
Steven Bloom	NRO\DNRL\NWE1
Mark Williams	Westinghouse
Don Lindgren	Westinghouse
Sam Adams	Westinghouse
Dan Harbert	Westinghouse
Stu Long	Westinghouse
Jim Easter	Areva NP
Jim Higgins	BNL
Kim Knippel	Westinghouse
John Loyd	Enercon - NuStart
Ray Schiele	UniStar
Rick Pelton	NRC
Jim Bongarra	NRC
Dave Waters	Progress Energy
Don Hutchings	Westinghouse

Agenda for Meeting with Westinghouse Regarding procedure development issues related to the
AP1000 reactor design

Wednesday, April 11

- 1:30 p.m. Introductions
- 1:45 p.m. Overview of Technical Report 70
- 2:30 p.m. Status of Procedure Efforts
- 3:00 p.m. Break
- 3:15 p.m. Writer's Guide and Procedures
- 5:00 p.m. Public Comments and Adjourn

Thursday, April 12

Closed Proprietary Meeting

- 8:30 a.m. Control Room Demonstration
- 10:00 a.m. Break
- 10:15 a.m. NRC review of Writer's Guide and Procedures
- 12:00 p.m. Working lunch

Open Meeting

- 2:00 p.m. Plans for Going Forward
- 2:15 p.m. Public Comments and Adjourn

Enclosure 3:

AP1000 Plant Operating Procedures

ML071100210

Enclosure 4:

Overview of Technical Report 70, Revision 1

ML071100212

cc:

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

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

Ms. Anne W. Cottingham
Assistant General Counsel
Nuclear Energy Institute
1776 I Street, NW, Suite 400
Washington, DC 20006

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

Mr. Marvin Fertel
Senior Vice President
and Chief Nuclear Officer
Nuclear Energy Institute
1776 I Street, NW
Suite 400
Washington, DC 20006-3708

Mr. Ray Ganthner
AREVA, Framatome ANP, Inc.
3315 Old Forest Road
P.O. Box 10935
Lynchburg, VA 24506-0935

Mr. Jay M. Gutierrez
Morgan, Lewis & Bockius, LLP
1111 Keystone State Avenue, NW
Washington, DC 20004

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

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

Ms. Marilyn Kray
President
NuStart Energy Development, LLC
200 Exelon Way, KSA3-N
Kennett Square, PA 19348

Dr. Gail H. Marcus
U.S. Department of Energy
Room 5A-143
1000 Independence Avenue, SW
Washington, DC 20585

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

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

Winston & Strawn
1400 L. Street, NW - 12th Floor
Washington, DC 20005-3502

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

Email

amonroe@scana.com (Amy Monroe)
APAGLIA@Scana.com (Al Paglia)
APH@NEI.org (Adrian Heymer)
bob.brown@ge.com (Robert E. Brown)
BrinkmCB@westinghouse.com (Charles Brinkman)
Carellmd@westinghouse.com (Mario D. Carelli)
chris.maslak@ge.com (Chris Maslak)
cristina.Ionescu@pgnmail.com (Christina Ionescu)
crpierce@southernco.com (C.R. Pierce)
CumminWE@Westinghouse.com (Edward W. Cummins)
cwaltman@roe.com (C. Waltman)
david.hinds@ge.com (David Hinds)
david.lewis@pillsburylaw.com (David Lewis)
dlochbaum@UCSUSA.org (David Lochbaum)
eddie.grant@excelservices.com (Eddie Grant)
erg-xl@cox.net (Eddie R. Grant)
frankq@hursttech.com (Frank Quinn)
garry.miller@pgnmail.com (Garry D. Miller)
gcesare@enercon.com (Guy Cesare)
greshaja@westinghouse.com (James Gresham)
gwcurtis2@tva.gov (G. W. Curtis)
gzinke@entergy.com (George Alan Zinke)
ian.c.rickard@us.westinghouse.com (Ian C. Richard)
james.beard@gene.ge.com (James Beard)
jgutierrez@morganlewis.com (Jay M. Gutierrez)
jim.riccio@wdc.greenpeace.org (James Riccio)
jim@ncwarn.org (Jim Warren)
jjnesrsta@cpsenergy.com (James J. Nesrsta)
john.o'neil@pillsburylaw.com (John O'Neil)
Joseph.savage@ge.com (Joseph Savage)
Joseph_Hegner@dom.com (Joseph Hegner)
junichi_uchiyama@mhi.co.jp (Junichi Uchiyama)
KSutton@morganlewis.com (Kathryn M. Sutton)
lindg1da@westinghouse.com (Don Lindgren)
lynchs@gao.gov (Sarah Lynch - Meeting Notices Only)
maria.webb@pillsburylaw.com (Maria Webb)
mark.beaumont@wsms.com (Mark Beaumont)
matias.travieso-diaz@pillsburylaw.com (Matias Travieso-Diaz)
maurerbf@westinghouse.com (Brad Mauer)
media@nei.org (Scott Peterson)
mike_moran@fpl.com (Mike Moran)
mwetterhahn@winston.com (M. Wetterhahn)
mwl@nei.org (Melanie Lyons)
patriciaL.campbell@ge.com (Patricia L. Campbell)
paul.gaukler@pillsburylaw.com (Paul Gaukler)
Petrovb@westinghouse.com (Bojan Petrovic)
PGunter@NIRS.org (Paul Gunter)
pshastings@duke-energy.com (Peter Hastings)

rclary@scana.com (Ronald Clary)
rgrumbir@comcast.net (Richard Grumbir)
RJB@NEI.org (Russell Bell)
robert.kitchen@pgnmail.com (Robert H. Kitchen)
roberta.swain@ge.com (Roberta Swain)
ronald.hagen@eia.doe.gov (Ronald Hagen)
sandra.sloan@areva.com (Sandra Sloan)
sfrantz@morganlewis.com (Stephen P. Frantz)
sterdia@westinghouse.com (Andrea Sterdis)
steven.hucik@ge.com (Steven Hucik)
tansel.selekler@nuclear.energy.gov (Tansel Selekler)
tom.miller@hq.doe.gov (Tom Miller)
tom.miller@nuclear.energy.gov (Thomas P. Miller)
tomccall@southernco.com (Tom C. Call)
trsmith@winston.com (Tyson Smith)
vijukrp@westinghouse.com (Ronald P. Vijuk)
waraksre@westinghouse.com (Rosemarie E. Waraks)
wayne.marquino@ge.com (Wayne Marquino)
whorin@winston.com (W. Horin)