

June 25, 2010

Mr. Robert Sisk, Manager  
Licensing and Customer Interface  
Regulatory Affairs and Strategy  
Westinghouse Electric Company  
P.O. Box 355  
Pittsburgh, PA 15230-0355

SUBJECT: ADVANCED FINAL SAFETY EVALUATION REPORT FOR CHAPTER 16 TITLED  
"TECHNICAL SPECIFICATION," OF NUREG-1793, SUPPLEMENT 2 – AP1000  
DESIGN CERTIFICATION AMENDMENT

Dear Mr. Sisk:

This letter transmits the Advanced Final Safety Evaluation Report (AFSER) for Chapter 16 titled, "Technical Specification," of the United States Nuclear Regulatory Commission (NRC) staff's NUREG-1793, "Final Safety Evaluation Related to Certification of the AP1000 Standard Design," Supplement 2.

By letter dated June 2, 2009, the NRC transmitted to Westinghouse Electric Company (Westinghouse) the Safety Evaluation Report with Open Items (SER/OIs) for Chapter 16, which reflected the proposed changes in the AP1000 Design Control Document (DCD), through Revision 17. Since the June 2, 2009, transmittal of Chapter 16, communications with Westinghouse and subsequent NRC staff evaluation have resulted in the resolution of the OIs. This chapter may be supplemented prior to finalization due to the need to resolve confirmatory items and/or to address any additional proposed changes to the DCD.

R. Sisk

-2-

Please feel free to contact Sikhindra K. (SK) Mitra, the Project Manager for Chapter 16, at (301) 415-2783 or [Sikhindra.Mitra@nrc.gov](mailto:Sikhindra.Mitra@nrc.gov) with any comments, concerns, or questions.

Sincerely,

*/RA/*

Eileen M. McKenna, Chief  
AP1000 Projects Branch 2  
Division of New Reactor Licensing  
Office of New Reactors

Docket No. 52-006

Enclosure:  
Safety Evaluation Report, Chapter 16, NUREG-1793, Supplement 2

cc: See next page

R. Sisk

-2-

Please feel free to contact Sikhindra K. (SK) Mitra, the Project Manager for Chapter 16, at (301) 415-2783 or [Sikhindra.Mitra@nrc.gov](mailto:Sikhindra.Mitra@nrc.gov) with any comments, concerns, or questions.

Sincerely,

*/RA/*

Eileen M. McKenna, Chief  
AP1000 Projects Branch 2  
Division of New Reactor Licensing  
Office of New Reactors

Docket No. 52-006

Enclosure:  
Safety Evaluation Report, Chapter 16, NUREG-1793, Supplement 2

cc: See next page

DISTRIBUTION:

PUBLIC

NWE2 r/f	RidsNroDnrl
SSchaffer	RidsNroDcip
E.McKenna	RidsNroDnrlNwe2
DJaffe	RidsNroDnrlNwe1
JMartin	RidsNroDsra
SSanders	AHodgdon

**ADAMS Accession Numbers.: ML101580228 (LTR)**

**ML101600487 (SER)**

**ML101580223 (PKG)**

**NRO-002**

OFFICE	NWE2/DNRL:LA	NWE2/DNRL:PM	NWE2/DNRL:BC	NRO/DCIP:BC	OGC
NAME	RButler*	SKMitra	JCruz forEMcKenna	MKowal	AHodgdon
DATE	06/09/2010	06/10/2010	06/28/2010	06/14/2010	06/25/2010

**OFFICIAL RECORD COPY**

DC Westinghouse - AP1000 Mailing List

Revised 05/04/2010)

cc:

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

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

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

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

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

Ms. Sharon Bowyer Hudson  
Office of Regulatory Staff  
State of South Carolina  
1401 Main Street  
Suite 900  
Columbia, SC 29201

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

Mr. Tom Sliva  
7207 IBM Drive  
Charlotte, NC 28262

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

## DC Westinghouse - AP1000 Mailing List

### Email

agaughtm@southernco.com (Amy Aughtman)  
alsterdis@tva.gov (Andrea Sterdis)  
amonroe@scana.com (Amy Monroe)  
Antonio.Fernandez@FPL.com (Antonio Fernandez)  
APAGLIA@Scana.com (Al Paglia)  
APH@NEI.org (Adrian Heymer)  
awc@nei.org (Anne W. Cottingham)  
bgattoni@roe.com (William (Bill) Gattoni)  
Bill.Jacobs@gdsassociates.com (Bill Jacobs)  
BrinkmCB@westinghouse.com (Charles Brinkman)  
Carellmd@westinghouse.com (Mario D. Carelli)  
cberger@energetics.com (Carl Berger)  
chris.maslak@ge.com (Chris Maslak)  
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)  
Derlinda.Bailey@chguernsey.com (Derinda Bailey)  
doug.ellis@shawgrp.com (Doug Ellis)  
eddie.grant@excelservices.com (Eddie Grant)  
erg-xl@cox.net (Eddie R. Grant)  
fbelser@regstaff.sc.gov  
gcesare@enercon.com (Guy Cesare)  
George.Madden@fpl.com (George Madden)  
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)  
jerald.head@ge.com (Jerald G. Head)  
jflitter@regstaff.sc.gov  
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.elnitsky@pgnmail.com (John Elnitsky)  
John.O'Neill@pillsburylaw.com (John O'Neill)  
Joseph\_Hegner@dom.com (Joseph Hegner)  
junichi\_uchiyama@mnes-us.com (Junichi Uchiyama)  
KSutton@morganlewis.com (Kathryn M. Sutton)  
kwaugh@impact-net.org (Kenneth O. Waugh)  
lchandler@morganlewis.com (Lawrence J. Chandler)  
lindg1da@westinghouse.com (Don Lindgren)  
Marc.Brooks@dhs.gov (Marc Brooks)  
maria.webb@pillsburylaw.com (Maria Webb)  
marilyn.kray@exeloncorp.com

## DC Westinghouse - AP1000 Mailing List

mark.beaumont@wsms.com (Mark Beaumont)  
Mark.Crisp@chguernsey.com (Mark Crisp)  
matias.travieso-diaz@pillsburylaw.com (Matias Travieso-Diaz)  
maurerbf@westinghouse.com (Brad Maurer)  
media@nei.org (Scott Peterson)  
Mitch.Ross@fpl.com (Mitch Ross)  
MSF@nei.org (Marvin Fertel)  
mwetterhahn@winston.com (M. Wetterhahn)  
nirsnet@nirs.org (Michael Mariotte)  
nscjiangguang@sina.com (Jiang Guang)  
Nuclaw@mindspring.com (Robert Temple)  
patriciaL.campbell@ge.com (Patricia L. Campbell)  
paul.gaukler@pillsburylaw.com (Paul Gaukler)  
Paul.Jacobs@fpl.com (Paul Jacobs)  
Paul@beyondnuclear.org (Paul Gunter)  
pshastings@duke-energy.com (Peter Hastings)  
Raymond.Burski@fpl.com (Raymond Burski)  
rclary@scana.com (Ronald Clary)  
rgrumbir@gmail.com (Richard Grumbir)  
Richard.Orthen@fpl.com (Richard Orthen)  
RJB@NEI.org (Russell Bell)  
robert.kitchen@pgnmail.com (Robert H. Kitchen)  
rong-pan@263.net (Pan Rong)  
Russell.Wells@Areva.com (Russell Wells)  
sabinski@suddenlink.net (Steve A. Bennett)  
sandra.sloan@areva.com (Sandra Sloan)  
saporito3@gmail.com (Thomas Saporito)  
sfrantz@morganlewis.com (Stephen P. Frantz)  
shudson@regstaff.sc.gov (Sharon Hudson)  
sisk1rb@westinghouse.com (Rob Sisk)  
sroetger@psc.state.ga.us (Steve Roetger)  
stephan.moen@ge.com (Stephan Moen)  
Steve.Franzone@fpl.com (Steve Franzone)  
steven.hucik@ge.com (Steven Hucik)  
strambgb@westinghouse.com (George Stramback)  
Tansel.Selekler@nuclear.energy.gov (Tansel Seleklek)  
tdurkin@energetics.com (Tim Durkin)  
Timothy.Beville@nuclear.energy.gov (Tim Beville)  
tom.miller@hq.doe.gov (Tom Miller)  
tomccall@southernco.com (Tom McCallum)  
TomClements329@cs.com (Tom Clements)  
trsmith@winston.com (Tyson Smith)  
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)  
william.maher@fpl.com (William Maher)