

May 21, 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 12  
TITLED "RADIATION PROTECTION," OF NUREG-1793, SUPPLEMENT 2  
– AP1000 DESIGN CERTIFICATION AMENDMENT

Dear Mr. Sisk:

This letter transmits the Advanced Final Safety Evaluation Report (AFSER) for Chapter 12 titled, "Radiation Protection," 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 19, 2009, the NRC transmitted to Westinghouse Electric Company (Westinghouse) the Safety Evaluation Report with Open Items (SER/OIs) for Chapter 12 that reflected the proposed changes in the AP1000 Design Control Document (DCD), through Revision 17. Since the June 19, 2009, transmittal of Chapter 12, communications with Westinghouse and subsequent NRC staff evaluation have resulted in the resolution of the OIs. This chapter will be supplemented prior to finalization due to the need to resolve confirmatory items and to address any additional proposed changes to the DCD.

R. Sisk

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Please feel free to contact Christopher M. Proctor, the Project Manager for Chapter 12, at (301) 415-0684 or [cmp4@nrc.gov](mailto:cmp4@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 12, NUREG-1793, Supplement 2

cc: See next page

R. Sisk

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Sincerely,

**RA/**

Eileen M. McKenna, Chief  
AP1000 Projects Branch 2  
Division of New Reactor Licensing  
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Safety Evaluation Report, Chapter 12, NUREG-1793, Supplement 2

cc: See next page

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DC Westinghouse - AP1000 Mailing List

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cc:

Ms. Michele Boyd  
Legislative Director  
Energy Program  
Agency  
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

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)

## DC Westinghouse - AP1000 Mailing List

maria.webb@pillsburylaw.com (Maria Webb)  
marilyn.kray@exeloncorp.com  
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 Selekler)  
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)

DC Westinghouse - AP1000 Mailing List

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)

