

July 1, 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: PHASE 2 SAFETY EVALUATION REPORT FOR CHAPTER 3 SECTION 3.7 TITLED "SEISMIC DESIGN," AND CHAPTER 3 SECTION 3.8 TITLED "DESIGN OF CATEGORY I STRUCTURES" OF NUREG-1793, SUPPLEMENT 2 – AP1000 DESIGN CERTIFICATION AMENDMENT – WITHOUT SHIELD BUILDING

Dear Mr. Sisk:

This letter transmits the Final Safety Evaluation Report with Open Items (SER/OI) for Chapter 3 Section 3.7 titled, "Seismic Design," and Chapter 3 Section 3.8 titled, "Design of Category I Structures," 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. Sections 3.7 and 3.8 do not contain the NRC staff's evaluation of the revised Shield Building design, which will be provided at a future date.

By letter dated September 16, 2009, the NRC transmitted to Westinghouse Electric Company (Westinghouse) the SER/OIs for Chapter 3, without Sections 3.7 or 3.8 that reflected the proposed changes in the AP1000 Design Control Document (DCD), through Revision 17. Since the September 16, 2009, transmittal of Chapter 3, NRC staff evaluation has resulted in the completion of the SER/OI for Sections 3.7 and 3.8 without the evaluation of the revised Shield Building design, which is enclosed herein.

Pursuant to 10 CFR 2.390, we have determined that the enclosed SER/OI may contain proprietary information or other categories of information that should be withheld from public disclosure. We will delay placing this document in the public document room for a period of 30 days from the date of this letter to provide you with the opportunity to comment on information in the enclosed SER that should be withheld from public disclosure. If you believe

NOTICE: Document transmitted herewith contains sensitive unclassified information. When separated from the enclosure this cover letter is "DECONTROLLED."

R. Sisk

- 2 -

that any information in the enclosure should be withheld from public disclosure, please identify such information line by line and define the basis pursuant to the criteria of 10 CFR 2.390. Based on your response, sensitive information will be redacted from the version that will be made publically available.

Please feel free to contact Terri Spicher, the Project Manager for Chapter 3 Sections 3.7 and 3.8 excluding the evaluation of the revised Shield Building design, at (301) 415-1670 or Terri.Spicher@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 with Open Items, Chapter 3 Sections 3.7 and 3.8, excluding the evaluation of the revised Shielding Building design, NUREG-1793, Supplement 2

cc: See next page

R. Sisk

- 2 -

that any information in the enclosure should be withheld from public disclosure, please identify such information line by line and define the basis pursuant to the criteria of 10 CFR 2.390. Based on your response, sensitive information will be redacted from the version that will be made publically available.

Please feel free to contact Terri Spicher, the Project Manager for Chapter 3 Sections 3.7 and 3.8 excluding the evaluation of the revised Shield Building design, at (301) 415-1670 or Terri.Spicher@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 with Open Items, Chapter 3 Sections 3.7 and 3.8, excluding the evaluation of the revised Shielding Building design, NUREG-1793, Supplement 2

cc: See next page

DISTRIBUTION:

PUBLIC	NWE2 r/f	RidsNroDnrl	SSchaffer
RidsNroDcip	EMcKenna	RidsNroDnrlNwe2	DJaffe
RidsNroDnrlNwe1	JMartin	RidsNroDsra	SSanders
AHodgdon			

ADAMS Accession Nos.:	ML101750717 (PKG)	ML101750759 (LTR)	
	ML101750762 (SER1)	ML101750763 (SER2)	NRO-002

OFFICE	LA:DNRL/NWE1	PM:DNRL/NWE1	BC:DNRL/NWE1	BC:DE/CIB1	BC:DE/SEB1	OGC
NAME	RButler	TSpicher	JCruz forEMcKenna	DTerao	BThomas by telephone	AHodgdon
DATE	06/30/10	06/30/10	07/01/10	06/25/10	06/28/10	07/01/10

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)