



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

May 29, 2018

Mr. Michael Corletti, Director
New Plant Technologies and Licensing
Westinghouse Electric Company, LLC
1000 Westinghouse Drive
Cranberry Township, PA 16066

SUBJECT: WCAP-17938-P, REVISION 3, "AP1000 IN-CONTAINMENT CABLES AND
NON-METALLIC INSULATION DEBRIS INTEGRATED ASSESSMENT" FINAL
TOPICAL REPORT SAFETY EVALUATION

Dear Mr. Corletti:

The U.S. Nuclear Regulatory Commission (NRC) staff prepared a final Topical Report Safety Evaluation (TRSE) for WCAP-17938, Revision 3, "AP1000 In-Containment Cables and Non-Metallic Insulation Debris Integrated Assessment," dated April 30, 2018 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML18121A237) which had been submitted by Westinghouse Electric Company (Westinghouse) in support of AP1000 post-licensing activities.

The staff requests that Westinghouse publish the applicable revision of the TRSE listed above within one month of receipt of this letter. The accepted version of the topical report shall incorporate this letter and the enclosed TRSE and add an "-A" (designated accepted) following the report identification number.

The staff has found that WCAP-17938, Revision 3, is acceptable for referencing in licensing applications for AP1000 designed pressurized water reactors to the extent specified and under the limitations delineated in the topical report and in the enclosed final TRSE. The final TRSE defines the basis for our acceptance of the topical report.

If the NRC's criteria or regulations change, such that the acceptability of the TRSE conclusion is invalidated, Westinghouse and/or the applicant referencing the TRSE will be expected to revise and resubmit its respective documentation, or submit justification for continued applicability of the TRSE without revision of the respective documentation.

Document transmitted herewith
contains sensitive unclassified
information. When separated from the
enclosure, this document is
"DECONTROLLED."

~~OFFICIAL USE ONLY – PROPRIETARY INFORMATION~~

M. Corletti

- 2 -

Prior to placing the public version of this document in the public document room, the staff requests that Westinghouse perform a final review of the TRSE for proprietary or security-related information not previously identified. If you believe that any additional information meets the criteria, please identify such information line by line and define the basis pursuant to the criteria established in Title 10 of the *Code of Federal Regulations* Part 2, Section 2.390.

If after a 10-day period, you do not request that all or portions of the TRSE be withheld from public disclosure, the TRSE will be made available for public inspection through the NRC Public Document Room and the Publicly Available Records component of ADAMS and placed on the NRC's public web page for this application.

If you have any questions or comments concerning this matter, please contact me at 301-415-1035 or via e-mail address at Donald.Habib@nrc.gov.

Sincerely,

/RA/

Donald Habib, Project Manager
Licensing Branch 4
Division of New Reactor Licensing
Office of New Reactors

Project No. 0811

Enclosures:

1. Safety Evaluation Report – (Non-Proprietary)
2. Safety Evaluation Report – (Proprietary)

cc: See next page (w/o Enclosure 2)

~~OFFICIAL USE ONLY – PROPRIETARY INFORMATION~~

OFFICIAL USE ONLY — PROPRIETARY INFORMATION

M. Corletti

- 2 -

SUBJECT: WCAP-17938-P, REVISION 3, "AP1000 IN-CONTAINMENT CABLES AND NON-METALLIC INSULATION DEBRIS INTEGRATED ASSESSMENT" FINAL TOPICAL REPORT SAFETY EVALUATION DATED MAY 29, 2018

DISTRIBUTION:

Public	JDixon-Herrity	YLi	DHabib	DJackson
RidsAcrsAcnwMailCenter	TLupold	MMitchell	RButler	BTravis
RidsNroDnrlLb4	GMakar	CAshley		

ADAMS ACCESSION NUMBERS:

PKG: ML18128A155

LETTER: ML18128A156

TRSE: ML18128A157 (Proprietary)

TRSE: ML18138A428 (Public)

*via email

NRO-002

OFFICE	LA:DNRL/LB4	PM:DNRL/LB4	BC:DEI/MEB	BC:DEI/MCB
NAME	RButler	DHabib	TLupold (LYueh-Li for)	MMatthew
DATE	5/9/18	5/10/18	5/3/18	5/3/18
OFFICE	BC:DSRA/SCVB	OGC	BC:DNRL/LB4	
NAME	DJackson	JMartin	JDixon-Herrity	
DATE	5/4/18	5/16/18	5/22/18	

OFFICIAL RECORD COPY

OFFICIAL USE ONLY — PROPRIETARY INFORMATION

DC Westinghouse - AP1000 Mailing List
cc:

(Revised 12/20/2017)

Paul M. Bessette
Morgan, Lewis & Bockius LLP
1111 Pennsylvania Avenue, NW
Washington, DC 20004

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

Mr. Paul Gaukler
Pillsbury, Winthrop, Shaw, Pittman
2300 N Street, NW
Washington, DC 20037

Mr. Paul A. Russ
Director, AP1000 Licensing
Westinghouse
1000 Westinghouse Drive
Cranberry Township, PA 16066

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

OFFICIAL USE ONLY — PROPRIETARY INFORMATION

DC Westinghouse - AP1000 Mailing List

Email

pshastings@generationmpower.com (Peter Hastings)
agaughtm@southernco.com (Amy Aughtman)
amonroe@scana.com (Amy Monroe)
APH@NEI.org (Adrian Heymer)
awc@nei.org (Anne W. Cottingham)
benjamja@westinghouse.com
Bill.Jacobs@gdsassociates.com (Bill Jacobs)
collinlj@westinghouse.com (Leslie Collins)
CumminWE@Westinghouse.com (Edward W. Cummins)
cwaltman@roe.com (C. Waltman)
david.hinds@ge.com (David Hinds)
david.lewis@pillsburylaw.com (David Lewis)
easterr@westinghouse.com (Rick Easterling)
eddie.grant@excelservices.com (Eddie Grant)
erg-xl@cox.net (Eddie R. Grant)
ewallace@nuscalepower.com (Ed Wallace)
fbelser@regstaff.sc.gov
George.Madden@fpl.com (George Madden)
George_Stramback@Charter.net (George Stramback)
james1.beard@ge.com (James Beard)
jannina.blanco@pillsburylaw.com (Jannina Blanco)
jcsaldar@bechtel.com (James Saldarini)
jerald.head@ge.com (Jerald G. Head)
jfitter@regstaff.sc.gov
jim@ncwarn.org (Jim Warren)
john.elnitsky@pgnmail.com (John Elnitsky)
Joseph_Hegner@dom.com (Joseph Hegner)
jrappe@nuscalepower.com (Jodi Rappe)
kinneyrw@dhec.sc.gov (Ronald Kinney)
kmstacy@southernco.com (Kara Stacy)
KSutton@morganlewis.com (Kathryn M. Sutton)
kuylerr@westinghouse.com (Ray Kuyler)
kwaugh@impact-net.org (Kenneth O. Waugh)
lchandler@morganlewis.com (Lawrence J. Chandler)
lindg1da@westinghouse.com (Don Lindgren)
marilyn.kray@exeloncorp.com
maurerbf@westinghouse.com (Brad Maurer)
media@nei.org (Scott Peterson)
MSF@nei.org (Marvin Fertel)
nirsnet@nirs.org (Michael Mariotte)
nscjiangguang@sina.com (Jiang Guang)
Nuclaw@mindspring.com (Robert Temple)
patriciaL.campbell@ge.com (Patricia L. Campbell)

Page 2 of 3

OFFICIAL USE ONLY — PROPRIETARY INFORMATION

OFFICIAL USE ONLY — PROPRIETARY INFORMATION

DC Westinghouse - AP1000 Mailing List

paul.gaukler@pillsburylaw.com (Paul Gaukler)
Paul.Jacobs@fpl.com (Paul Jacobs)
Paul@beyondnuclear.org (Paul Gunter)
pbessette@morganlewis.com (Paul Bessette)
Raymond.Burski@fpl.com (Raymond Burski)
rgrumbir@gmail.com (Richard Grumbir)
Richard.Orthen@fpl.com (Richard Orthen)
ritterse@westinghouse.com (Stanley E. Ritterbusch)
RJB@NEI.org (Russell Bell)
robert.kitchen@pgnmail.com (Robert H. Kitchen)
rong-pan@263.net (Pan Rong)
sabinski@suddenlink.net (Steve A. Bennett)
Sandra@sandrakgoss.com (Sandra Goss)
sara@cleanenergy.org (Sara Barczak)
shudson@regstaff.sc.gov (Shannon Hudson)
sisk1rb@westinghouse.com (Rob Sisk)
smsloan@babcock.com (Sandra Sloan)
stephan.moen@ge.com (Stephan Moen)
stephen.burdick@morganlewis.com (Stephen Burdick)
Steve.Franzone@fpl.com (Steve Franzone)
Tansel.Selekler@nuclear.energy.gov (Tansel Selekler)
timothy.beville@nuclear.energy.gov (Timothy 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)
wayne.marquino@gmail.com (Wayne Marquino)
weave1dw@westinghouse.com (Doug Weaver)
whorin@winston.com (W. Horin)