

August 29, 2011

MEMORANDUM TO: Edwin M. Hackett, Executive Director  
Advisory Committee on Reactor Safeguards

FROM: David B. Matthews, Director **/RA Frank Akstulewicz for/**  
Division of New Reactor Licensing  
Office of New Reactors

SUBJECT: UNITED STATES - ADVANCED PRESSURIZED WATER REACTOR  
DESIGN CERTIFICATION APPLICATION - ADVANCED SAFETY  
EVALUATION WITH NO OPEN ITEMS FOR CHAPTER 13, "CONDUCT  
OF OPERATIONS"

By letter dated December 31, 2007, as supplemented by letters dated March 27, 2008, and April 16, 2008, Mitsubishi Heavy Industries, Ltd. (MHI) submitted an application to the U.S. Nuclear Regulatory Commission (NRC) for a standard Design Certification (DC) of the United States - Advanced Pressurized Water Reactor (US-APWR), pursuant to Title 10 of the *Code of Federal Regulations* Part 52, "Licenses, Certifications, and Approvals for Nuclear Power Plants." Subsequent to the original application, MHI has submitted Revisions 1, 2, and 3 of the US-APWR Design Control Document (DCD) by letters dated August 29, 2008, October 27, 2009, and March 31, 2011, which are available in the Agencywide Documents Access and Management System (ADAMS) under Accession Numbers ML082480524, ML093070198, and ML110980194.

Based on our review of the application, the staff is providing the Advisory Committee on Reactor Safeguards (ACRS) its Advanced Safety Evaluation (ASE), with no Open Items for Chapter 13, "Conduct of Operations" (ML112290270). Unless otherwise stated in the ASE, the staff's review was based on Revision 3 of the application. The ASE is being provided to support a meeting of the subcommittee of the ACRS, which has yet to be determined. The ACRS full committee meeting will be held after the subcommittee meeting.

In accordance with the memorandum to the ACRS dated March 17, 2010 (ML100700612), the staff has reviewed the submitted information against the categories for which the ACRS requested be used to highlight information for review by the committee. The staff's assessment of this chapter is that there are no items that meet the categories for discussion with the Committee.

CONTACTS: Michael J. Takacs, NRO/DNRL  
301-415-7871

Jeffrey A. Ciocco, NRO/DNRL  
301-415-1544

The staff concludes that the ASE does not contain any information exempt from public disclosure. However, the NRC will withhold the ASE from public disclosure for ten business days to allow MHI the opportunity to verify the staff's conclusion that the ASE contains no such exempt information. Therefore, the staff requests that the ACRS withhold the ASE from public disclosure until it has been released publicly in ADAMS.

The staff will inform the ACRS immediately if MHI requests that any of the information in the ASE be withheld from public disclosure.

Docket No. 52-021

E. Hackett

- 2 -

The staff concludes that the ASE does not contain any information exempt from public disclosure. However, the NRC will withhold the ASE from public disclosure for ten business days to allow MHI the opportunity to verify the staff's conclusion that the ASE contains no such exempt information. Therefore, the staff requests that the ACRS withhold the ASE from public disclosure until it has been released publicly in ADAMS.

The staff will inform the ACRS immediately if MHI requests that any of the information in the ASE be withheld from public disclosure.

Docket No. 52-021

DISTRIBUTION:

PUBLIC	RidsNroOd	RidsNroDnrl
NMIP R/F	RidsNroDnrlNmip	RidsNroLACSmith
D081	MTakacs, NRO	RidsOgcMailCenter

**ADAMS Accession Numbers:**

**Package: ML112290261**

**Memoranda: ML112290858**

**SER: ML112290270**

**NRO-002**

OFFICE	DNRL/NMIP: PM	DNRL/NMIP: LA	DNRL/NMIP: PM	DNRL/NMIP: BC	DNRL: D
NAME	MTakacs	CSmith	JCiocco	HHamzehee	DMatthews (Frank Akstulewicz for)
DATE	08/24/11	0824/11	08/25/11	08/29/11	08/28/11

**OFFICIAL RECORD COPY**

DC Mitsubishi - US APWR Mailing List  
cc:

(Revised 08/25/2011)

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

Atsushi Kumaki  
Mitsubishi Heavy Industries, Ltd.  
APWR Promoting Department  
Wadasaki-cho- 1-1-1, Hyogo-ku  
Kobe 652-8585 JAPAN

Dr. Masanori Onozuka  
Mitsubishi Nuclear Energy Systems, Inc.  
1001 19th Street North, Suite 710  
Arlington, VA 22201-5426

Dr. C. Keith Paulson  
Mitsubishi Nuclear Energy Systems, Inc.  
300 Oxford Drive, Suite 301  
Monroeville, PA 15146

Mr. Tony Robinson  
AREVA NP, Inc.  
3315 Old Forest Road  
Lynchburg, VA 24501

Mr. Robert E. Sweeney  
IBEX ESI  
4641 Montgomery Avenue  
Suite 350  
Bethesda, MD 20814

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

## DC Mitsubishi - US APWR Mailing List

### Email

APH@NEI.org (Adrian Heymer)  
atsushi\_kumaki@mhi.co.jp (Atsushi Kumaki)  
awc@nei.org (Anne W. Cottingham)  
bgattoni@roe.com (William (Bill) Gattoni))  
BrinkmCB@westinghouse.com (Charles Brinkman)  
ck\_paulson@mnes-us.com (C Keith Paulson)  
ckpaulson@aol.com (C.K. Paulson)  
CumminWE@Westinghouse.com (Edward W. Cummins)  
cwaltman@roe.com (C. Waltman)  
david.hinds@ge.com (David Hinds)  
david.lewis@pillsburylaw.com (David Lewis)  
DeLaBarreR@state.gov (R. DeLaBarre)  
Derlinda.Bailey@chguernsey.com (Derinda Bailey)  
donald.woodlan@luminant.com (Donald Woodlan)  
eliza.seedcoalition@gmail.com (Elza Brown)  
erg-xl@cox.net (Eddie R. Grant)  
ewallace@nuscalepower.com (Ed Wallace)  
f.tanaka@mnes-us.com  
gcesare@enercon.com (Guy Cesare)  
james.beard@gene.ge.com (James Beard)  
jerald.head@ge.com (Jerald G. Head)  
jim.riccio@wdc.greenpeace.org (James Riccio)  
Joseph\_Hegner@dom.com (Joseph Hegner)  
jrappe@nuscalepower.com (Jodi Rappe)  
jrund@morganlewis.com (Jonathan Rund)  
KSutton@morganlewis.com (Kathryn M. Sutton)  
kwaugh@impact-net.org (Kenneth O. Waugh)  
lchandler@morganlewis.com (Lawrence J. Chandler)  
lon.burnam@house.state.tx.us (Lon Burnam)  
m.goto@mnes-us.com  
Marc.Brooks@dhs.gov (Marc Brooks)  
maria.webb@pillsburylaw.com (Maria Webb)  
mark.beaumont@wsms.com (Mark Beaumont)  
Mark.Crisp@chguernsey.com (Mark Crisp)  
mark.g.giles@dom.com (Mark Giles)  
mark.vannoy@mnes-us.com  
masahiko\_kaneda@mhi.co.jp (Masahiko Kaneda)  
masanori\_onozuka@mnes-us.com (Masanori Onozuka)  
masato.oba@mnes-us.com  
masayuki\_kambara@mhi.co.jp (Masayuki Kambara)  
matias.travieso-diaz@pillsburylaw.com (Matias Travieso-Diaz)  
mayorsouthern@granbury.org (Mayor David Southern)  
media@nei.org (Scott Peterson)  
mike\_moran@fpl.com (Mike Moran)

## DC Mitsubishi - US APWR Mailing List

MSF@nei.org (Marvin Fertel)  
mutsumi\_ishida@mnes-us.com (Mutsumi Ishida)  
mwetterhahn@winston.com (M. Wetterhahn)  
nan\_sirirat@mnes-us.com (Sirirat Mongkolkam)  
nirsnet@nirs.org (Michael Mariotte)  
Nuclaw@mindspring.com (Robert Temple)  
patriciaL.campbell@ge.com (Patricia L. Campbell)  
paul.gaukler@pillsburylaw.com (Paul Gaukler)  
Paul@beyondnuclear.org (Paul Gunter)  
pbessette@morganlewis.com (Paul Bessette)  
plarimore@talisman-intl.com (Patty Larimore)  
pshastings@duke-energy.com (Peter Hastings)  
RJB@NEI.org (Russell Bell)  
ryan\_sprengel@mnes-us.com (Ryan Sprengel)  
sabinski@suddenlink.net (Steve A. Bennett)  
sandra.sloan@areva.com (Sandra Sloan)  
satoshi\_hanada@mnes-us.com (Satoshi Hanada)  
satoshi\_watanabe@mnes-us.com (Satoshi Watanabe)  
sfrantz@morganlewis.com (Stephen P. Frantz)  
shinji\_kawanago@mnes-us.com (Shinji Kawanago)  
stephan.moen@ge.com (Stephan Moen)  
steven.hucik@ge.com (Steven Hucik)  
strambgb@westinghouse.com (George Stramback)  
Tansel.Selekler@nuclear.energy.gov (Tansel Seleklek)  
tgilder1@luminant.com (Tim Gilder)  
tmatthews@morganlewis.com (T. Matthews)  
tom.miller@hq.doe.gov (Tom Miller)  
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)  
whorin@winston.com (W. Horin)  
yoshiki\_ogata@mhi.co.jp (Yoshiki Ogata)