

March 20, 2014

Mr. Yoshiki Ogata, General Manager
APWR Promoting Department
Mitsubishi Heavy Industries, Ltd.
16-05, Konan 2-Chome, Minato-Ku
Tokyo, 108-8215 Japan

SUBJECT: SUPPLEMENTAL SAFETY EVALUATION REPORT FOR MITSUBISHI HEAVY INDUSTRIES UNITED STATES - ADVANCED PRESSURIZED WATER REACTOR TOPICAL REPORT NUMBER PQD-HD-19005, REVISIONS 6 AND 7, "QUALITY ASSURANCE PROGRAM DESCRIPTION FOR DESIGN CERTIFICATION OF THE UNITED STATES – ADVANCED POWER WATER REACTOR"

Dear Mr. Ogata:

By a letter dated January 26, 2007, and as supplemented by letters dated March 7, 2007, and August 30, 2007, Mitsubishi Heavy Industries, LTD. (MHI), submitted Topical Report PQD-HD-19005, Revision 0, "Quality Assurance Program Description for Design Certification of the US-APWR," to the U.S. Nuclear Regulatory Commission (NRC) staff. On October 15, 2007, MHI responded to the NRC staff's request for additional information and provided Revision 1 of Topical Report PDQ-HD-19005 (PDQ-HD-19005-1).

The NRC staff reviewed PDQ-HD-19005-1, and issued a safety evaluation, by letter dated January, 24, 2008, from NRC to Mitsubishi Nuclear Energy Systems, Inc., which concluded that PDQ-HD-19005-1 was acceptable for use by MHI for the United States - Advanced Pressurized Water Reactor (US-APWR) design certification (DC) activities to the extent specified and under the limitations delineated in the topical report.

By letters dated December 9, 2013, and February 20, 2014, MHI submitted Revision 6 and Revision 7 of Topical Report PDQ-HD-19005, to the NRC staff for review and approval. Both PDQ-HD-19005-6 and PDQ-HD-19005-7 contained minor revisions to reflect organizational changes within Mitsubishi Nuclear Energy Systems which affected references to the organization used throughout the quality assurance program description. Due to the timing of the submittal of these revisions, the NRC staff's safety evaluation is focused on the most current version of Topical Report PDQ-HD-19005-7. The NRC staff has reviewed Revision 7 of the topical report and has determined that it is acceptable for use by MHI for the US-APWR DC activities to the extent specified and under the limitations delineated in the topical report. The NRC staff confirmed that the changes incorporated into Revision 7 of the topical report were administrative in nature and do not constitute a reduction in commitment from the previous NRC approved version, PDQ-HD-19005-5. Our acceptance applies only to material provided in the subject Topical Report PDQ-HD-19005-7, and not the US-APWR DC submittal. The NRC staff plans to issue a separate safety evaluation for Chapter 17 of the US-APWR DC application, and will reference, as necessary, this supplemental safety evaluation as it relates to the subject topical report.

Y. Ogata

- 2 -

If you have any questions regarding this matter, I may be reached at (301) 415-0493 or via email at Tarun.Roy@nrc.gov.

Sincerely,

/RA/

Tarun Roy, Project Manager
Licensing Branch 2
Division of New Reactor Licensing
Office of New Reactor

Docket No. 52-021

cc.: See next page

Y. Ogata

- 2 -

If you have any questions regarding this matter, I may be reached at (301) 415-0493 or via email at Tarun.Roy@nrc.gov.

Sincerely,

/RA/

Tarun Roy, Project Manager
Licensing Branch 2
Division of New Reactor Licensing
Office of New Reactor

Docket No. 52-021

cc.: See next page

DISTRIBUTION:

PUBLIC	SLee, NRO	RidsNroLACMurphy
LB2 R/F	TRoy, NRO	RidsAcrcAcnwMailCenter
D081	PBuckburg, NRO	RidsNroDnrlLB2
RidsNroDcipCqvp	RidsOgcMailCenter	RidsOpaMailCenter

ADAMS Accession No.: ML14073A741

via email*

NRO-002

OFFICE	NRO/DNRL/LB2:PM	NRO/DNRL/LB2:LA	NRO/DNRL/LB2:PM	NRO/DNRL/LB2:BC
NAME	TRoy	CMurphy*	PBurkburg	SLee
DATE	03/18/2014	03/18/2014	03/19/2014	03/20/2014
OFFICE	NRO/DCIP/CQVP:BC	OGC	NRO/DNRL/LB2:PM (signed)	
NAME	KKavanagh	RHarper	TRoy	
DATE	03/20/2014	03/19/2014	03/20/2014	

OFFICIAL RECORD COPY

DC Mitsubishi - US APWR Mailing List

(Revised 03/14/2014)

cc:

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

acpasswater@aol.com (Al Passwater)
APH@NEI.org (Adrian Heymer)
atsushi_kumaki@mhi.co.jp (Atsushi Kumaki)
awc@nei.org (Anne W. Cottingham)
bgattoni@roe.com (William (Bill) Gattoni)
Carl.Corbin@luminant.com (Carol Corbin)
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)
donald.woodlan@luminant.com (Donald Woodlan)
eliza.seedcoalition@gmail.com (Elza Brown)
erg-xl@cox.net (Eddie R. Grant)
erin_wisler@mnes-us.com (Erin Wisler)
ewallace@nuscalepower.com (Ed Wallace)
Fred.Madden@luminant.com (Fred Madden)
gcesare@enercon.com (Guy Cesare)
hiroki_nishio@mhi.co.jp (Hiroki Nishio)
james1.beard@ge.com (James Beard)
jerald.head@ge.com (Jerald G. Head)
Joseph_Hegner@dom.com (Joseph Hegner)
joseph_tapia@mnes-us.com (Joseph Tapia)
jrappe@nuscalepower.com (Jodi Rappe)
jrund@morganlewis.com (Jonathan Rund)
karlg@att.net (Karl Gross)
kevin_lynn@mnes-us.com (Kevin Lynn)
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
maria.webb@pillsburylaw.com (Maria Webb)
mark.a.giles@dom.com (Mark Giles)
masanori_onozuka@mnes-us.com (Masanori Onozuka)
masatoshi_nagai@mnes-us.com (Masatoshi Nagai)
matias.travieso-diaz@pillsburylaw.com (Matias Travieso-Diaz)
media@nei.org (Scott Peterson)
michael_melton@mnes-us.com (Michael Melton)
MSF@nei.org (Marvin Fertel)
nirsnet@nirs.org (Michael Mariotte)
Nuclaw@mindspring.com (Robert Temple)
patriciaL.campbell@ge.com (Patricia L. Campbell)
paul.gaukler@pillsburylaw.com (Paul Gaukler)

DC Mitsubishi - US APWR Mailing List

Paul@beyondnuclear.org (Paul Gunter)
pbessette@morganlewis.com (Paul Bessette)
plarimore@talisman-intl.com (Patty Larimore)
rdbirdjr@gmail.com (Bobby Bird)
rebecca_steinman@mnes-us.com (Rebecca Steinman)
RJB@NEI.org (Russell Bell)
ryan_sprengel@mnes-us.com (Ryan Sprengel)
sabinski@suddenlink.net (Steve A. Bennett)
sfrantz@morganlewis.com (Stephen P. Frantz)
stephan.moen@ge.com (Stephan Moen)
strambgb@westinghouse.com (George Stramback)
Tansel.Selekler@nuclear.energy.gov (Tansel Selekler)
tgilder1@luminant.com (Tim Gilder)
tmatthews@morganlewis.com (T. Matthews)
tom.miller@hq.doe.gov (Tom Miller)
Tony.Robinson@areva.com (Tony Robinson)
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)