

August 15, 2013

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 - SAFETY EVALUATION  
WITH OPEN ITEMS FOR CHAPTER 6, "ENGINEERED SAFETY  
FEATURES"

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 of the United States - Advanced Pressurized Water Reactor.

Based on our review of the application, the NRC staff is providing the Advisory Committee on Reactor Safeguards (ACRS) its Safety Evaluation (SE), with Open Items for Chapter 6, "Engineered Safety Features" (ML13219A792). Unless otherwise stated in the SE, the NRC staff's review was based on Revision 3 of the application. The SE is being provided to support a meeting of the subcommittee of the ACRS scheduled for September 17 - 18, 2013. 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.

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

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

Docket No. 52-021

CONTACTS: Ruth C Reyes, NRO/DNRL  
301-415-3249

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 - SAFETY EVALUATION  
WITH OPEN ITEMS FOR CHAPTER 6, "ENGINEERED SAFETY  
FEATURES"

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 of the United States - Advanced Pressurized Water Reactor.

Based on our review of the application, the NRC staff is providing the Advisory Committee on Reactor Safeguards (ACRS) its Safety Evaluation (SE), with Open Items for Chapter 6, "Engineered Safety Features" (ML13219A782). Unless otherwise stated in the SE, the NRC staff's review was based on Revision 3 of the application. The SE is being provided to support a meeting of the subcommittee of the ACRS scheduled for September 17 - 18, 2013. 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.

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

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

Docket No. 52-021

CONTACTS: Ruth C Reyes, NRO/DNRL  
301-415-3249

**DISTRIBUTION:**

PUBLIC	PKallan, NRO	HHamzehee, NRO	RidsOgcMailCente
LB2 R/F	JMcKirgan, NRO	RidsAcrsAcnwMailCenter	RidsOpaMailCenter
D081	JDonoghue, NRO	RidsNroLACSmith	RidsNroOd
DTerao, NRO	RReyes, NRO	RidsNroDnrl	

**ADAMS Accession Nos.**  
**ML13219B098 – PKG**  
**ML13219A782 – SE**  
**ML13219A869**

**NRO-002**

OFFICE	DNRL/LB2:PM	DNRL/LB2:LA	DNRL/LB2:PM	DNRL/LB2:BC	DNRL: D
NAME	RReyes	CMurphy	PKallan (Acting)	WWard (Acting)	DMatthews (FAkstulewicz for)
DATE	08/13/2013	08/07/2013	08/13/2013	08/13/2013	08/15/2013

**OFFICIAL RECORD COPY**