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TOKYO, JAPAN

February 15, 2012

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Attention: Mr. Jeffrey A. Ciocco

Docket No. 52-021
MHI Ref: UAP-HF-12044

Subject: MHI's Response to US-APWR DCD RAI No. 890-6271 REVISION 3 (SRP 19)

Reference: 1) "Request for Additional Information 890-6271 Revision 3, SRP Section: 19 – Probability Risk Assessment and Severe Accident Evaluation Application Section: Appendix A.

With this letter, Mitsubishi Heavy Industries, Ltd. ("MHI") transmits to the U.S. Nuclear Regulatory Commission ("NRC") a document entitled "Response to Request for Additional Information No. 890-6271 Revision 3".

Enclosed is the response to one (1) RAI, Question 19-563, contained within Reference 1. This transmittal completes the response to this RAI.

Please contact Mr. Joseph Tapia, General Manager of Licensing Department, Mitsubishi Nuclear Energy Systems, Inc. if the NRC has questions concerning any aspect of the submittals. His contact information is below.

Sincerely,

Y. Ogata

Yoshiki Ogata
Director- APWR Promoting Department
Mitsubishi Heavy Industries, LTD.

Enclosures:

1. Response to Request for Additional Information No.890-6271 Revision 3

D081
NRO

CC: J. A. Ciocco
J. Tapia

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Enclosure 1

UAP-HF-12044
Docket Number 52-021

Response to Request for Additional Information No. 890-6271
Revision 3

February 2012

RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

2/15/2012

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

RAI NO.:	**NO. 890-6271 REVISION 3**
SRP SECTION:	**19 – Probability Risk Assessment and Severe Accident Evaluation Application Section: Appendix A**
APPLICATION SECTION:	**19A**
DATE OF RAI ISSUE:	**1/17/2012**

QUESTION NO.: 19-563

Under the Reasonably Formulated Assessment Guideline, the NRC considers an aircraft impact assessment performed by qualified personnel using a method that conforms to the guidance in NEI 07-13, Revision 7 to be a method which is reasonably formulated. In the response to RAI 773-5646, the applicant is committed to revising DCD, Sec. 19A.1 to state that the NEI 07-13 guidelines or methodology were fully followed with no exceptions taken. However, there was no mention of the personnel qualifications in Sec. 19A. The NRC considers qualified personnel to be: (1) an applicant who is the designer of the facility for which the aircraft impact assessment applies; and (2) an applicant's primary contractor for the aircraft impact assessment who has designed a nuclear power reactor facility either already licensed or certified by the NRC or currently under review by the NRC.

Provide the qualifications of the analysts who performed the AIA to show that the above qualifications are met in conformance with the Reasonably Formulated Assessment Guideline.

ANSWER:

The US-APWR beyond design basis Aircraft Impact Analysis (AIA) was performed by analysts at ANATECH Corporation (ANATECH) and ERIN Engineering and Research (ERIN) who are experts in applying the requirements of the NEI 07-13 methodology and who have performed analyses applying the NEI 07-13 methodology for other reactor designs. One of the ERIN analysts is a co-author of NEI 07-13 and participated in the entire development and approval process for the guideline. The US-APWR beyond design basis AIA performed by ANATECH and ERIN was reviewed by Mitsubishi Heavy Industries who is the applicant and designer for the US-APWR. Resumes of the

personnel associated with preparation of the US-APWR beyond design basis AIA are available for audit.

Impact on DCD

There is no impact on the DCD.

Impact on R-COLA

There is no impact on the R-COLA.

Impact on S-COLA

There is no impact on the S-COLA.

Impact on PRA

There is no impact on the PRA.

Impact on Topical/Technical Report

There is no impact on Topical/Technical Report.