



**MITSUBISHI HEAVY INDUSTRIES, LTD.**

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TOKYO, JAPAN

December 31, 2007

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

Attention: Mr. R. William Borchardt  
Director, Office of New Reactors

Project No.0751  
MHI Ref: UAP-HF-07172

**Subject: Submittal of Environmental Report in Support of Mitsubishi Heavy Industries, Ltd. Application for Certification of the US-APWR Standard Plant Design**

Pursuant to 10 C.F.R. §§ 52.47(b)(2) and 10 CFR § 51.55(a), Mitsubishi Heavy Industries, Ltd. ("MHI") is pleased to submit herewith to the U.S. Nuclear Regulatory Commission ("NRC") its "Applicant's Environmental Report—Standard Design Certification" ("Environmental Report"). This Environmental Report is submitted as part of MHI's Application for NRC certification of MHI's US-APWR Standard Plant Design. As provided in the Commission regulations, the enclosed Environmental Report, which is submitted electronically on compact disc (CD), addresses the costs and benefits of severe accident mitigation design alternatives ("SAMDA").

The SAMDA analysis determinations presented in the enclosed Environmental Report may be affected by the results of the Level 3 Probabilistic Risk Assessment ("PRA") to be submitted by MHI in March 2008. If such is the case, the SAMDA analysis will be expeditiously updated to reflect the Level 3 PRA results.

Please contact Dr. C. Keith Paulson, Senior Technical Manager, Mitsubishi Nuclear Energy Systems, Inc. if the NRC has questions concerning any aspect of this submittal. His contact information is provided below.

Sincerely,

  
Masahiko Kaneda  
General Manager- APWR Promoting Department  
Mitsubishi Heavy Industries, Ltd.

Enclosures:

1. Environmental Report (CD)

The file contained in the CD is listed in Attachment 1

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NRO*

Contact Information

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**ATTACHMENT 1**

**FILE CONTAINED IN CD**

File Name	Document No.	Title	Revision	Issue Date
ER.pdf	MUAP-DC021	Applicant's Environmental Report – Standard Design Certification	0	12/28/2007