



**MITSUBISHI HEAVY INDUSTRIES, LTD.**

16-5, KONAN 2-CHOME, MINATO-KU  
TOKYO, JAPAN

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751

Project No.

Document Control Desk  
U.S. Nuclear Regulatory Commission  
11555 Rockville Pike  
Rockville, Maryland 20852

ATTENTION: Mr. Larry J. Burkhart, Mail Stop O-4D9A

Subject: Proposed Plan for the Pre-Application Review and Topical Report Submittals of the  
US-APWR

In the first pre-application review meeting of the US-APWR on July 13, 2006, the NRC staff commented that the methodologies and approaches utilized to license the US-APWR should be discussed earlier in the pre-application review meetings rather than the last meeting.

In accordance with the NRC staff comment, Mitsubishi Heavy Industries, Ltd. (MHI) would like to revise the pre-application review meeting schedule. MHI proposes the pre-application review meeting plan shown in Attachment 1. Furthermore MHI plans to submit the topical reports with the schedule shown Attachment 2 and anticipates the NRC reviews. MHI plans to discuss the contents of all topical reports in November meeting at the pre-submittals meeting.

MHI intends to change the submittal date for the US-APWR design certification application to the end of December, 2007 instead of the end of March, 2008. This change was recommended by several utilities with which MHI is currently discussing the US-APWR Plant.

MHI looks forward to efficient and fruitful pre-application review meetings with the NRC. Dr. Paulson is the MHI contact person for the NRC. Dr. Paulson's contact information is provided below.

Very truly yours.

Mr. Yoshinobu Shibata,  
Vice President – U.S. Marketing & Operations Group  
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## Attachment 1

### Proposed US-APWR Pre-Application Review Meeting Schedule

Meeting Subject	Date
<ul style="list-style-type: none"> <li>- Safety Design Philosophy</li> <li>- US- APWR Design Features</li> <li>- Analysis Code List</li> <li>- Revised Pre-application Review Meeting Schedule</li> <li>- Topical Report Submittals Schedule for NRC Review</li> </ul>	September 2006
<ul style="list-style-type: none"> <li>- Fuel and Core Design Overview</li> <li>- Safety Analysis Methodology Overview</li> <li>- Severe Accident Analysis Methodology Overview and Mitigation Features</li> <li>- Contents of Topical Reports (Pre-submittal Meeting of Topical Reports)</li> </ul>	November 2006
<ul style="list-style-type: none"> <li>- Probabilistic Risk Assessment Methodology</li> <li>- Radiation Dose Analysis Methodology</li> </ul>	January 2007
<ul style="list-style-type: none"> <li>- Safety Design Bases concerning Safety Analysis</li> <li>- Safety Related Features ( ECCS, EFWS, Containment Vessel)</li> <li>- Accumulator with flow damper Topical Report</li> </ul>	March 2007
<ul style="list-style-type: none"> <li>- Electrical and I&amp;C System Design Criteria</li> <li>- Overall I&amp;C and Safety System</li> </ul>	April 2007
<ul style="list-style-type: none"> <li>- Human System Interface and Other Important I&amp;C System</li> <li>- Safety Grade 1E Electrical Power System</li> <li>- Severe Accident Analysis Methodology</li> </ul>	May 2007
<ul style="list-style-type: none"> <li>- Mitsubishi Fuel System Design Criteria and Methodology Topical Report</li> <li>- Mitsubishi Thermal Design Methodology Topical Report</li> </ul>	July 2007
<ul style="list-style-type: none"> <li>- Other Safety Features (Safety Shutdown, SBO mitigation, etc.)</li> <li>- Plant Design Concepts ( Plant Layout, Separation Criteria, Steel &amp; Concrete Structure)</li> </ul>	August 2007
<ul style="list-style-type: none"> <li>- Safety Analysis Methodologies Topical Reports</li> </ul>	September 2007
<ul style="list-style-type: none"> <li>- Final Overall Review Meeting</li> </ul>	November 2007

## Attachment 2

### Topical Report Submittals Schedule for NRC Review

Topical Report	Submittal Date
Accumulator with flow damper	January 2007
Mitsubishi Fuel System Design Criteria and Methodology	May 2007
Mitsubishi Thermal Design Methodology	May 2007
Safety Analysis Methodology (LOCA)	July 2007
Safety Analysis Methodology (Non-LOCA)	July 2007