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

September 30, 2008

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-08220

Subject: Submittal of Safeguards Report, US-APWR High Assurance

Evaluation Assessment, September 2008

With this letter, Mitsubishi Heavy Industries, Ltd. ("MHI") transmits to the U.S. Nuclear Regulatory Commission ("NRC") the US-APWR High Assurance Evaluation Assessment report, which is referenced in Chapter 13.6 of Revision 1 of the US-APWR Design Control Document ("DCD") and in MHI's Responses to US-APWR DCD RAI No. 52. This report performs a High Assurance Evaluation assessment for the US-APWR standard design based on the US-APWR reference plant layout for Comanche Peak 3 and 4. The report demonstrates the capability of the US-APWR physical security design, in conjunction with the facility's comprehensive physical security program, to meet the performance requirements of 10 CFR 73.55(a). This report contains Safeguards Information ("SGI"), and the report is marked accordingly, except for Figure 1, which is marked as security sensitive information under 10 CFR 2.390 and which does not need to controlled as SGI when detached from the report.

With the submission of this report and the submission of Revision 1 of the US-APWR DCD and Revision 1 of the US-APWR Design Certification Physical Security Element Review, MHI has completed its update for the physical security of the US-APWR. MHI believes it may be beneficial to have a meeting with the NRC to elaborate on the US-APWR physical security design and protective strategy as set forth in the attached report and would look forward to arranging such a meeting at the mutual convenience of the NRC and MHI.

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 below.

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Sincerely,

Yoshiki Ogata,

General Manager- APWR Promoting Department Mitsubishi Heavy Industries, LTD.

Enclosure: US-APWR High Assurance Evaluation Assessment, September 2008.

CC: J. A. Ciocco

C. K. Paulson (without enclosure)

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Contact Information

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