

January 6, 2014

MEMORANDUM TO: Jennifer Dixon-Herrity, Chief
Licensing Branch 2
Division of New Reactor Licensing
Office of New Reactors

FROM: Tarun Roy, Project Manager */RA/*
Licensing Branch 2
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: REPORT OF THE OCTOBER 2, 2013, AUDIT REGARDING THE
UNITED STATES - ADVANCED PRESSURIZED WATER
REACTOR AUDIT REPORT FOR SECTION 17.4 OF THE
US-APWR DESIGN CERTIFICATION APPLICATION

As part of its review of the United States - Advanced Pressurized Water Reactor (US-APWR) Design Certification application, on October 2, 2013, members of the U.S. Nuclear Regulatory Commission staff performed an audit at the Mitsubishi Nuclear Energy Systems, Inc. facility in Arlington, Virginia. The purpose of the audit was to examine the records and procedures associated with the US-APWR design reliability assurance program (D-RAP) to conform to the following:

The categorization of systems, structures, and components (SSCs) determined by the expert panel to be not risk-significant and therefore, not included in Table 17.4.1, "Risk significant SSCs," of the US-APWR DCD Tier 2, with focus on those SSCs not modeled in the US-APWR probabilistic risk assessment.

The implementation of D-RAP procedures in accordance with US-APWR DCD Tier 2, Section 17.4.4, "Quality controls."

The audit plan can be found in the Agencywide Document Access and Management System (ADAMS) under accession number ML13246A071, dated September 11, 2013. The results of the audit, entitled "United States - Advanced Pressurized Water Reactor Design Reliability Assurance Program Audit Report" are provided as Enclosure 1 and can be found in ADAMS under accession number ML13363A002. A list of attendees is provided as Enclosure 2 and can be found in ADAMS under accession number ML13363A003. A list of documents made available to the NRC staff is provided as Enclosure 3 and can be found in ADAMS under accession number ML13363A004

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The NRC audit team found the applicant's staff very cooperative and forthcoming in their support of the audit and provided information and insights on the design and licensing bases for licensing.

Docket No. 52-021

Enclosures:

As stated

cc w/ enclosures: See next page

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Docket No. 52-021

Enclosures:
As stated

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ADAMS Accession Nos.:

- Package - ML13361A042
- Memorandum - ML13361A039
- Audit Report - ML13363A002
- List of Attendees - ML13363A003
- List of Documents - ML13363A004

via email*

NRC-001

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