

October 2, 2012

MEMORANDUM TO: Amy Snyder, Acting Chief
Licensing Branch 2
Division of New Reactor Licensing
Office of New Reactors

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

SUBJECT: AUDIT REPORT REGARDING TURBINE-DRIVEN EMERGENCY
FEED WATER (TDEFW) PUMP ROOM TRANSIENT HEAT-UP
CALCULATIONS SUPPORTING - SECTION 8.4, "STATION
BLACKOUT," OF THE UNITED STATES - ADVANCED
PRESSURIZED WATER REACTOR DESIGN CERTIFICATION

As part of its review of the United States - Advanced Pressurized Water Reactor (US-APWR) Design Certification (DC) application, a member of the Containment and Ventilation Branch of the Division of Safety Systems and Risk Assessment performed an audit at the Mitsubishi Nuclear Energy Systems, Inc. facility in Arlington, Virginia, on May 9, 2012. The purpose of this audit was to review the transient heat-up analysis of the Turbine-Driven Emergency Feed Water pump room in order to validate heat-up analysis and underlying assumptions provided in the response to RAI 875-6211 (ML12031A243).

The plan for this audit, dated May 1, 2012, is documented and can be found in the Agencywide Document Access and Management System (ADAMS) under accession number ML12115A205. The results of the audit are documented in Enclosure 1 however, they are proprietary in nature and therefore are not available to the public. A List of Attendees is provided as Enclosure 2. A list of documents made available to the NRC Staff is provided as Enclosure 3. The NRC audit team found the applicant's staff very cooperative and forthcoming in their support of this audit.

Docket No. 52-021

Enclosures:
As stated

cc w/o Enclosure 1: See next page

CONTACT: Ngola Otto, NRO/DNRL/LB2
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ADAMS Accession Nos.

ML12216A272 - Package

ML12220A301 - Audit Letter

ML12216A277 - Audit Report

ML12220A424 - List of Attendees

ML12220A429 - Document List

NRO-002

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(Revised 10/02/2012)

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