

June 30, 2004

MEMORANDUM TO: Brian W. Sheron, Associate Director
Project Licensing and Technical Analysis
Office of Nuclear Reactor Regulation

FROM: William H. Bateman, Chief */RA/*
Materials and Chemical Engineering Branch
Division of Engineering
Office of Nuclear Reactor Regulation

SUBJECT: TRANSMISSION OF REPORT: SUMMARY REPORT BY THE OFFICE
OF NUCLEAR REACTOR REGULATION ON THE STATUS OF
REACTOR PRESSURE VESSEL HEAD AND ASSOCIATED
PENETRATION NOZZLE INSPECTIONS

The attached report (ML041560306) is a summary of reactor pressure vessel (RPV) head and associated penetration nozzle inspection activities conducted by the 69 U.S. pressurized water reactor (PWR) facilities from February 2000 through December 2003. Three tables are attached identifying the inspections at each plant, RPV head penetration nozzle and associated J-groove weld cracking, and leaking indications. Table information is taken in part from MRP-110, Materials Reliability Program Reactor Vessel Closure Head Penetration Safety Assessment for U.S. PWR Plants, April 2004.

All U.S. PWR plants have verified the integrity of their reactor vessel heads through bare metal visual and/or under the head non-destructive examinations. Eleven plants have replaced their RPV head with an additional twenty-two plants scheduled for replacement thru 2007.

Transmission of this report satisfies milestone Part I, Item 3.a of the Davis-Besse Lessons Learned Task Force Recommendations Regarding Stress Corrosion Cracking Action Plan. This report was completed on June 1, 2004.

Attachment: As stated, ADAMS Accession No.: ML041560306

CONTACT: Jay Collins, EMC/DE
415-4038

Approved: */RA by R. Barrett Acting For/*

Brian W. Sheron

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