

May 10, 2002

MEMORANDUM TO: William H. Bateman, Chief
Materials and Chemical Engineering Branch
Division of Engineering

FROM: Beth A. Wetzel, Lead Project Manager for Bulletin 2001-01 */ra/*
Structural Integrity and Metallurgy Section
Materials and Chemical Engineering Branch
Division of Engineering

SUBJECT: FORTHCOMING MEETING WITH NUCLEAR ENERGY INSTITUTE,
MATERIALS RELIABILITY PROGRAM (MRP) AND ELECTRIC
POWER RESEARCH INSTITUTE

DATE & TIME: Wednesday, May 22, 2002
8:00 a.m. - 5:00 p.m.

LOCATION: U.S. Nuclear Regulatory Commission (NRC)
One Flint North, Room 09B4
11555 Rockville Pike, Rockville, MD 20852

PURPOSE: The purpose of the meeting is for an update from the task group on the Alloy 600 Materials Reliability Program Control Rod Drive Mechanism Vessel Head Penetration cracking issue. A proposed draft agenda is attached.

PARTICIPANTS: NRC INDUSTRY
B. Sheron, NRR A. Marion, NEI
C. Casto, NRR K. Cozens, NEI
B. Bateman, NRR C. King, EPRI
A. Hiser, NRR L. Mathews, Southern Nuclear, et al.
A. Lee, NRR
B. Wetzel, NRR
M. Marshall, NRR
E. Hackett, RES,
W. Cullen, et al.

Attachment: Agenda
CONTACT: B. Wetzel, EMCB/DE
415-1355

*Meetings between NRC technical staff and applicants or licensees are open for interested members of the public, petitioners, intervenors, or other parties to attend as observers pursuant to the Commission Policy Statement on "Staff Meetings Open to the Public: Final Policy Statement," 65 *Federal Register* 56964, 9/20/2000. Members of the public who wish to attend should contact Beth Wetzel at (301) 415-1355.

** People wishing to participate via telephone call call the following numbers: (301) 231-5539 or 1-800-638-8081 and enter 4534# after the prompt.

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AGENDA TOPICS
FOR MAY 22, 2002 MEETING WITH INDUSTRY
ON ALLOY 600 CRDM VHP CRACKING ISSUE

- Overview of Head Penetration Tasks and Schedule
- Reactor Pressure Vessel (RPV) Head Risk Assessment
 - Probability of Leakage
 - Critical Flaw Size
 - Residual Stress Analysis
- Alloy 600 Crack Growth Rate Summary
- Probabilistic Fracture Mechanics
- Collateral Damage
- Inspection Plan for RPV Head Penetrations
- Technical Assessment of RPV Head Degradation