

June 17, 2014

EMORANDUM TO: Patrick L. Hiland, Director
Division of Engineering
Office of Nuclear Reactor Regulation

FROM: Robert O. Hardies, Senior Level Advisor /RA/
Division of Engineering
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF JUNE 3-5, 2014, ANNUAL MATERIALS
PROGRAMS TECHNICAL INFORMATION EXCHANGE PUBLIC
MEETING

On June 3-5, 2014, the U.S. Nuclear Regulatory Commission (NRC) staff hosted a Category 2 public meeting at NRC headquarters in Rockville, MD to discuss material program activities. Attendees included representatives from the Materials Subcommittee of the Pressurized Water Reactor (PWR) Owners Group (PWROG MSC), the Electric Power Research Institute's (EPRI's) Boiling Water Reactor (BWR) Vessel Internals Program (BWRVIP), EPRI's Materials Reliability Program (MRP), EPRI's Non-destructive Examination Center (NDE Center), EPRI's Primary System Corrosion Research Committee, and EPRI's Welding and Repair Technology Center (WRTC).

The NRC staff and industry representatives discussed progress in materials programs designed to provide information related to stress corrosion cracking, non-destructive examination, reactor vessel surveillance, dissimilar metal welds, and vessel internals examination, among other topics. Presentations are available electronically in the NRC's Agencywide Documents Access and Management System (ADAMS) under accession number ML14163A405. The meeting notice and agenda are also available in ADAMS under accession number ML14135A004. A list of meeting attendees is available in ADAMS under accession number ML14156A308.

Communications between the NRC staff and industry materials programs technical leads occurs on an ongoing basis during quarterly telephone calls and this annual meeting. Executive level interactions occur during a separate annual executive session and during a semi-annual telephone conference. Action items from this technical exchange meeting have been separated into categories that reflect whether they will be tracked as technical or executive /management level activities.

CONTACT: Robert O. Hardies, NRR/DE
(301) 415-5802

The following actions items were noted:

Action for executive session:

- NRC will discuss root cause analyses of missed indications in dissimilar metal weld overlays.
- NRC will discuss potential non-conservatisms in branch technical position 5-3.
- Industry will discuss interval extensions for ultrasonic examination of Alloy 690 reactor vessel head penetrations.

Action for quarterly call:

- NDE Program to provide NRC/RES a response regarding previous comments related to an RPV POD report.
- The industry and NRC will schedule a meeting to discuss reactor vessel integrity issues.
- The industry and NRC will schedule a meeting to discuss generic screening criteria for embrittlement of cast austenitic stainless steel in boiling and pressurized water reactors.
- The industry and NRC will schedule a meeting to discuss Materials Reliability Program report MRP-227 action items and cold work issues.
- The NRC will issue the draft technical basis for thermal and irradiation embrittlement of cast austenitic stainless steel.
- The NRC and industry will continue to work to develop materials issue prioritization criteria.

Please direct any inquiries to Robert Hardies at 301-415-5802 or Robert.Hardies@nrc.gov.

The following actions items were noted:

Action for executive session:

NRC will discuss root cause analyses of missed indications in dissimilar metal weld overlays.

NRC will discuss potential non-conservatisms in branch technical position 5-3.

Industry will discuss interval extensions for ultrasonic examination of Alloy 690 reactor vessel head penetrations.

Action for quarterly call:

NDE Program to provide NRC/RES a response regarding previous comments related to an RPV POD report.

The industry and NRC will schedule a meeting to discuss reactor vessel integrity issues.

The industry and NRC will schedule a meeting to discuss generic screening criteria for embrittlement of cast austenitic stainless steel in boiling and pressurized water reactors.

The industry and NRC will schedule a meeting to discuss Materials Reliability Program report MRP-227 action items and cold work issues.

The NRC will issue the draft technical basis for thermal and irradiation embrittlement of cast austenitic stainless steel.

The NRC and industry will continue to work to develop materials issue prioritization criteria.

Please direct any inquiries to Robert Hardies at 301-415-5802 or Robert.Hardies@nrc.gov.

DISTRIBUTION:

PUBLIC	DE R/F	TLupold	SRosenberg	PHiland	DRudland
KKarwoski	AHiser	JHolonich	DAiley	RDyle@epri.com	

ADAMS Accession Nos.:

Package: ML14167A272

Summary: ML14167A281

Meeting: Notice: ML14135A004

OFFICE	NRR/DE
NAME	RHardies
DATE	06/17/2014

OFFICIAL RECORD COPY