

August 1, 2014

MEMORANDUM TO: David W. Alley, Chief
Component Performance, NDE, and Testing Branch
Division of Engineering
Office of Nuclear Reactor Regulation

FROM: Ali Rezai, Materials Engineer */RA/*
Component Performance, NDE, and Testing Branch
Division of Engineering
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF PUBLIC MEETING WITH THE REPRESENTATIVES
OF THE ELECTRIC POWER RESEARCH INSTITUTE
NONDESTRUCTIVE EXAMINATION INTEGRATION COMMITTEE
AND PERFORMANCE DEMONSTRATION INITIATIVE PROGRAM
(TAC NUMBER ME8140)

On July 10, 2014, the U.S. Nuclear Regulatory Commission (NRC) staff participated in a public meeting with the Electric Power Research Institute (EPRI) Nondestructive Examination Integration Committee and Performance Demonstration Initiative program (NDEIC/PDI) representatives. The meeting took place at the NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The purpose of the meeting was to provide status of industry actions taken on NDE issues including bolting, site specific mockup, team scanning, and Diablo Canyon operating experience (OE). The meeting participants, agenda, and action items are provided in Enclosures 1, 2, and 3, respectively. Handouts and presentations of the meeting are provided in Enclosure 4.

In December 2013, industry informed the NRC staff about deviations between the PDI bolting program and Supplement 8 of Appendix VIII, Section XI of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code (ASME Code). Industry provided detailed information to the NRC staff during the January 2014 public meeting. Industry determined that the deviations have existed since inception of the PDI bolting program. In the current meeting (July 2014), industry reported that it has taken corrective actions that included development of ASME Code Case N-834 "ASTM A988/A988M-11 UNS S31603, Subsection NB, Class 1 Components Section III, Division 1," issuance of interim guidance, extent of conditions assessment, and updating the PDI Generic Bolting Ultrasonic Testing Examination Procedures. Industry provided details in a presentation entitled "PDI Bolting Program Update."

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Industry presented its responses to the NRC staff's comments and concerns regarding the site specific mockups process and the team scanning. Industry stated that it has made essential revisions to the site specific mockup process to assure conformity of the site specific mockup process with the Appendix VIII requirement. Furthermore, industry has taken actions to ensure team scanning is implemented properly and used when there is not any other alternative. Industry noted that the work has been ongoing to determine how to incorporate the NRC staff comments. Industry provided details in a presentation entitled "Review of NRC Comments Related to Site Specific Mockups and Team Scanning."

Industry provided updates on its root cause analysis, corrective actions, and extent of condition evaluation of the Diablo Canyon OE. Industry provided details in a presentation entitled "Update of Industry Actions Related to Diablo Canyon OE." The NRC staff questioned whether the maximum scanning speed allowed could have been a contributing factor in missing the flaws. The NRC staff also expressed concerns regarding the industry's extent of condition evaluation. A new action item was created for industry to include a discussion of the extent of condition evaluation in the January meeting.

Industry provided a status report on the initiative taken to ensure alignment between PDI program implementation and Appendix VIII. An action item was created for industry to inform the NRC staff of new ASME Code actions including actions when a new code case is being drafted.

The next quarterly phone call was scheduled for October 15, 2014.

ACTION ITEMS

Enclosure 3 provides new and open action items.

Enclosures:

1. Attendance List
2. Meeting Agenda
3. Action Items
4. Handouts and Presentations

Industry provided a status report on the initiative taken to ensure alignment between PDI program implementation and Appendix VIII. An action item was created for industry to inform the NRC staff of new ASME Code actions including actions when a new code case is being drafted.

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ADAMS Accession Numbers: Package: ML14216A027
Meeting Summary: ML14202A450 Meeting Notice: ML14177A432
Meeting Agenda: ML14195A208
ML14195A230: NRC/Industry NDE Activities Action List
ML14195A362: PDI Bolting Program Update
ML14195A366: Review of NRC Comments Related to Site Specific Mockups and Team Scanning
ML14195A374: Update of Industry Actions Related to Diablo Canyon
ML14195A381: Preliminary Status of the Performance Demonstration Initiative Appendix VIII

OFFICE	NRR/DE/EPNB	NRR/DE/EPNB
NAME	AREzai	DAIley
DATE	07/29/2014	08/01/2014

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ATTENDANCE FOR NDEIC/PDI PUBLIC MEETING

NAME	ORGANIZATION
Kevin Hacker	Dominion
Gary Lofthus	Southern Nuclear
Steve Swilley	EPRI
Carl Latiolais	EPRI
Dave Alley	USNRC
Bob Hardies	USNRC
Josh Kusnick	USNRC
Carol Nove	USNRC
Jay Collins	USNRC (Called in)
Dave Rudland	USNRC
Tony Cinson	USNRC
Keith Hoffman	USNRC
Ali Rezai	USNRC
John Tsao	USNRC
Doug Kull	EPRI (Called-in)
Stephen Cumblidge	USNRC
Tim Lupold	USNRC
Wallace Norris	USNRC

AGENDA

QUARTERLY COMMUNICATION STATUS PUBLIC MEETING WITH NDEIC/PDI
AT NRC HEADQUARTERS,
ONE WHITE FLINT NORTH, 11555 ROCKVILLE PIKE, ROCKVILLE, MD

Thursday, July 10, 2014, 1:00 p.m. – 3:00 p.m.

Time	Topic	Presenter
1300	Introduction and review of action items	NRC-Industry
1315	Update of bolting program status	Industry
1340	Review of NRC letter capturing comments related to site specific mockups and team scanning	Industry
1410	Update on industry actions to recent NDE OE	Industry
1430	Preliminary status of industry Appendix VIII program extent of condition review	Industry
1450	Public comments	NRC
1500	Adjourn	NRC

ACTION ITEMS

1. (New Action) Industry will add a presentation to the agenda of the January meeting to further discuss the extent of condition evaluation of the Diablo Canyon missed flaw.

Due: January 2015

2. (New Action) Industry will inform the NRC staff about new ASME Code actions including the new code cases that are being drafted.

Due: Every meeting and by email

3. Industry will provide status report regarding NDEIC's consideration of NEI 03-08 implementation for PDI policy 13-01 on adoption of newer versions of PDI generic procedures.

Due: Ongoing; Status report at next quarterly call

4. Industry will discuss false call rate data availability.

Due: Ongoing; Status report at next quarterly call

5. The NRC staff will send to the NDEIC Chairman examples of well-prepared coverage submittals with clarification of what the NRC staff's expectations are.

Due: Ongoing; Status report at next quarterly call

6. Industry will report status on developing industry guidance on calculation of coverage.

Due: Ongoing;

7. Industry will recommend to the NRC staff a date for next face-to-face NDE meeting;

Due: Next quarterly call.

8. Industry and the NRC staff will arrange meeting to discuss UT modeling research activities.

Due: Ongoing;

9. Industry will provide status of progress on cross-cutting issues.

Due: Ongoing;

10. The NRC will issue RIS and EGM to facilitate implementation of new bolting approach.

Due: Ongoing;

11. Industry will provide status of progress on revising ASME Code Case N-780.

Due: Ongoing; Status report at next quarterly call.

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HANDOUTS AND PRESENTATIONS

1. MI14195a230 - NRC/Industry NDE Activities Action Item List
2. MI14195a362 - PDI Bolting Program Update
3. MI14195a366 - Review of NRC Comments Related to Site Specific Mockups and Team Scanning
4. MI14195a374 - Update of Industry Actions Related to Diablo Canyon OE
5. MI14195a381 - Preliminary Status of the Performance Demonstration Initiative (PDI)
Appendix VIII Program Extent of Condition