

April 15, 2009

MEMORANDUM TO: Terence L. Chan, Chief
Piping and NDE Branch
Division of Component Integrity
Office of Nuclear Reactor Regulation

FROM: Jay W. Collins, Senior Materials Engineer */RA/*
Piping and NDE Branch
Division of Component Integrity
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF PUBLIC MEETING BETWEEN THE NUCLEAR
REGULATORY COMMISSION STAFF, INDUSTRY
REPRESENTATIVES, AND NEI REPRESENTATIVES ON REACTOR
VESSEL HEAD VOLUMETRIC LEAK PATH ASSESSMENT
INSPECTION

On March 17, 2009, the U.S. Nuclear Regulatory Commission (NRC) staff met with Nuclear Energy Institute and other industry representatives in Rockville, Maryland to discuss volumetric leak path assessment inspection requirements for reactor pressure vessel (RPV) upper head penetration nozzles as required by Title 10 of the Code of Federal Regulations (10 CFR) 50.55a(g)(6)(ii)(D)(2).

The meeting began with introductions and a brief summary of the previous November 24, 2008 public meeting by the NRC staff. Industry representatives then discussed their plans to generically meet the requirements of a demonstrated volumetric leak path inspection for inspection of upper reactor pressure vessel penetration nozzles and their welds. Industry described a two phased approach in which major vendors would continue to develop technical justification documents while EPRI creates a number of mockups. The technical justification documents would also serve as guidelines for inspectors and analyzers of data in the field. The mockups would be ready to be used during the volumetric inspection qualification tests that are planned during the summer of 2009 to support fall outages. The staff found industry's plan appeared to provide a sufficient basis to expect that a generically demonstrated inspection would be available to support plants with head inspections in the fall. Industry agreed to provide the technical justifications and mockup details to the staff for review by June.

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The meeting attracted persons from various industry groups and organizations. The preliminary feedback from the attendees was that the meeting was productive and constructive. A list of meeting attendees is provided in Enclosure 1. The meeting was successful in helping to achieve a better understanding between the NRC and industry on an acceptable approach regarding a generic demonstration of the volumetric leak path technique. The presentation slides are provided in Enclosure 2.

Enclosures:

1. List of Attendees
2. Presentation Slides

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Enclosures:

1. List of Attendees
2. Presentation Slides

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OFFICE	NRR/DCI/CPNB	NRR/DCI/CPNB
NAME	JCollins /RA/	TChan /RA/
DATE	4/15/2009	4/15/2009

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LIST OF ATTENDEES

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March 17, 2009, in Rockville, Maryland

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PRESENTED SLIDES

SUMMARY OF PUBLIC MEETING BETWEEN THE NUCLEAR REGULATORY COMMISSION (NRC) STAFF, INDUSTRY REPRESENTATIVES, AND NEI REPRESENTATIVES ON REACTOR VESSEL HEAD VOLUMETRIC LEAK PATH ASSESSMENT INSPECTION
March 17, 2009, in Rockville, Maryland

- A. RPVH Volumetric Leak Path Assessment, Terry McAlister & Jack Spanner, March 17, 2009. [ML090771171]
- B. Ultrasonic Testing Leak Path Demonstration for RPVH Penetrations in Accordance with ASME N-729-1(PA-MS-0442) Jack Lareau & Jim Cirilli, March 17, 2009. [ML090771175]