

July 5, 2007

MEMORANDUM TO: Jennifer L. Uhle, Deputy Director
Materials Engineering
Division of Fuel, Engineering, and Radiological Research
Office of Nuclear Regulatory Research

THRU: Robert Hardies, Chief **/RA/ J.Uhle for**
Component Integrity Branch
Division of Fuel, Engineering, and Radiological Research
Office of Nuclear Regulatory Research

FROM: Mauricio Gutierrez, General Engineer **/RA/ A.Csontos for**
Component Integrity Branch
Division of Fuel, Engineering, and Radiological Research
Office of Nuclear Regulatory Research

SUBJECT: SUMMARY OF THE JUNE 19 - JUNE 20, 2007, CATEGORY 2 PUBLIC
MEETING BETWEEN THE NUCLEAR REGULATORY COMMISSION
STAFF AND THE EXPERT PANEL FOR THE WOLF CREEK
ADVANCED FINITE ELEMENT ANALYSES (FEA)

On June 19 and June 20, 2007, the U.S. Nuclear Regulatory Commission (NRC) staff conducted a Category 2 public meeting with industry representatives at Dominion Engineering, Incorporated in Reston, VA. A list of attendees, industry presentations, the NRC contractor presentation, and NRC staff presentation are enclosed. The meeting was a continuation of ongoing discussions between industry representatives and NRC staff regarding the likelihood that pressurizer nozzle dissimilar metal welds, which are potentially susceptible to stress corrosion cracking, will leak before rupturing under certain conditions.

The meeting specifically addressed several key technical issues such as: fabrication records, weld residual stress modeling results, secondary stresses, sensitivity case matrix results, probabilistic assessment, industry proposed acceptance criteria, safety factors, and scheduling issues. Industry indicated that a draft report on this evaluation of circumferential cracking would be submitted to the NRC by July 6, 2007. The NRC staff and contractor provided comments on industry's results and proposals regarding acceptance criteria and safety factors.

CONTACT: Mauricio Gutierrez, RES/DFERR
301-415-1122

J. Uhle

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No members of the public were present at the meeting. The information discussed was non-proprietary. Please direct any inquiries to me at 301-415-1122 or mrg3@nrc.gov.

Enclosure:

1. List of Attendees
2. NRC Presentation
3. Westinghouse Presentation
4. Dominion Engineering Presentation
5. Quest Reliability Presentation
6. EMC² Presentation
7. Structural Integrity Presentation

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DATE	07/05/07	07/05/07	07/05/07	07/05/07	07/05/07

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Nuclear Regulatory Commission Meeting
with the
Expert Panel for Wolf Creek Finite Element Analysis
June 19, 2007 and June 20, 2007

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Robert Hardies
Aladar Csontos
Tim Lupold
Dave Rudland (NRC Contractor)
Mauricio Gutierrez

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Craig Harrington, EPRI
Jim Riley, EPRI
Glenn White, DEI
Jean Collin, DEI
John Broussard, DEI
Matt Klug, DEI
Guy DeBoo, Exelon
Mike Melton, NEI
Tim Gilman, Structural Integrity
Pete Riccardella, Structural Integrity
David Harris, Structural Integrity
Doug Killian, AREVA
Ken Yoon, AREVA
Cameron Martin, Westinghouse
Warren Bamford, Westinghouse
William Sims, Entergy
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Mason Dove, Southern Nuclear
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