

April 15, 2008

MEMORANDUM TO: Donald G. Harrison, Chief
Balance of Plant Branch
Division of Safety Systems
Office of Nuclear Reactor Regulation

FROM: Steven R. Jones /RA/
Balance of Plant Branch
Division of Safety Systems
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE APRIL 8, 2008, CATEGORY 2 PUBLIC MEETING
WITH THE NUCLEAR ENERGY INSTITUTE (NEI) ON THE INDUSTRY
INITIATIVE ON HEAVY LOAD LIFTS (TAC NO. MD3345)

On April 8, 2008, a Category 2 public meeting was held between the U. S. Nuclear Regulatory Commission (NRC) staff and representatives of NEI at the NRC Headquarters, Executive Boulevard Building, 6003 Executive Boulevard, Rockville, Maryland. The purpose of the meeting was to discuss the industry initiative on heavy loads. An NRC presentation handout addressing elements of realistic analyses and a revised draft of the "Industry Criteria for Reactor Vessel Load Drop and Consequence Analysis," were used in the meeting and are available in the Agencywide Document Access and Management System (ADAMS) as Accession Nos. ML081000415 and ML081000400, respectively.

This meeting continued discussions between the NRC staff and industry representatives regarding the development of industry guidance related to realistic load drop analyses for reactor vessel head lifts. The NRC staff discussed the need to address uncertainties to support the reduced margin to material failure proposed by industry and identified areas of uncertainty. The industry representatives discussed the revisions to the industry guidance and addressed questions from the staff regarding the basis for certain elements of the guidance. Meeting participants discussed specific analysis considerations and success criteria.

At the conclusion of the meeting, the NEI representatives indicated intent to add to the guidance document a discussion of the effect of welds on ductility, examples showing how necessary material properties would be determined, cautions regarding certain states of stress, and additional attributes of a realistic model. The participants agreed to further discussions regarding strain acceptance criteria.

One member of the public was in attendance. A list of attendees is enclosed.

Project No. 689

Enclosure: List of Attendees

cc w/encl: See next page

CONTACT: Steven R. Jones, NRR/DSS
301-415-2712
srj@nrc.gov

April 15, 2008

MEMORANDUM TO: Donald G. Harrison, Chief
Balance of Plant Branch
Division of Safety Systems
Office of Nuclear Reactor Regulation

FROM: Steven R. Jones /RA/
Balance of Plant Branch
Division of Safety Systems
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE APRIL 8, 2008, CATEGORY 2 PUBLIC MEETING
WITH THE NUCLEAR ENERGY INSTITUTE (NEI) ON THE INDUSTRY
INITIATIVE ON HEAVY LOAD LIFTS (TAC NO. MD3345)

On April 8, 2008, a Category 2 public meeting was held between the U. S. Nuclear Regulatory Commission (NRC) staff and representatives of NEI at the NRC Headquarters, Executive Boulevard Building, 6003 Executive Boulevard, Rockville, Maryland. The purpose of the meeting was to discuss the industry initiative on heavy loads. An NRC presentation handout addressing elements of realistic analyses and a revised draft of the "Industry Criteria for Reactor Vessel Load Drop and Consequence Analysis," were used in the meeting and are available in the Agencywide Document Access and Management System (ADAMS) as Accession Nos. ML081000415 and ML081000400, respectively.

This meeting continued discussions between the NRC staff and industry representatives regarding the development of industry guidance related to realistic load drop analyses for reactor vessel head lifts. The NRC staff discussed the need to address uncertainties to support the reduced margin to material failure proposed by industry and identified areas of uncertainty. The industry representatives discussed the revisions to the industry guidance and addressed questions from the staff regarding the basis for certain elements of the guidance. Meeting participants discussed specific analysis considerations and success criteria.

At the conclusion of the meeting, the NEI representatives indicated intent to add to the guidance document a discussion of the effect of welds on ductility, examples showing how necessary material properties would be determined, cautions regarding certain states of stress, and additional attributes of a realistic model. The participants agreed to further discussions regarding strain acceptance criteria.

One member of the public was in attendance. A list of attendees is enclosed.

Project No. 689

Enclosure: List of Attendees

cc w/encl: See next page

CONTACT: Steven R. Jones, NRR/DSS
301-415-2712
srj@nrc.gov

Package Accession No. ML081050266

Meeting Summary Accession No. ML081010498

Meeting Notice Accession No. ML080930498

Handout Accession Nos. ML081000415 and ML081000400

NRC-001

OFFICE	NRR/DSS/SBPB	NRR/DSS/SBPB:BC
NAME	SJones	DHarrison
DATE	04/14/2008	04/15/2008

OFFICIAL RECORD COPY

SUMMARY OF THE APRIL 8, 2008, CATEGORY 2 PUBLIC MEETING WITH THE NUCLEAR ENERGY INSTITUTE ON THE INDUSTRY INITIATIVE ON HEAVY LOAD LIFTS (TAC NO. MD3345)

DISTRIBUTION:

PUBLIC

PSPB RF

RidsNrrPMTMensah

RidsOgcMailCenter

RidsAcrcAcnwMailCenter

RidsNrrDpr

RidsNrrDprPspb

RidsNrrLADBaxley

RJasinski

WRuland

PHiland

DHarrison

SJones

KManoly

JFair

MHartzman

GBjorkman

BTripathy

ASapountzis

JWermiel

JSharkey

ATTENDEES

MEETING WITH THE NUCLEAR ENERGY INSTITUTE (NEI)

April 8, 2008

Name	Organization
Jared Wermiel	US NRC
Kamal Manoly	US NRC
Steve Jones	US NRC
Donnie Harrison	US NRC
John Fair	US NRC
Mark Hartzman	US NRC
Gordon Bjorkman	US NRC
Bob Tripathi	US NRC
Alex Sapountzis	US NRC
Tom Houghton	NEI
William D. Maxham	AREVA/NEI
Everett Redmond II	NEI
David Roarty	Westinghouse/NEI
Eugene Thomas	Bechtel/NEI
Phuong Hoang	Sargent and Lundy/NEI
Donald K. Henrie	GE Hitachi Nuclear Energy/NEI
Daniel Fiorello	Exelon Nuclear/NEI
Dhiren Pandya	Progress Energy/NEI
R D Gil	FPL/NEI
Maureen Conley	Platts/McGraw-Hill
Participants via Teleconference:	
Ray Fabi	Westinghouse
George Demetri	Westinghouse

ENCLOSURE

cc:

Mr. Anthony Pietrangelo, Vice President
Regulatory Affairs
Nuclear Energy Institute
1776 I Street, NW, Suite 400
Washington, DC 20006-3708
arp@nei.org

Mr. Jack Roe, Director
Operations Support
Nuclear Energy Institute
1776 I Street, NW, Suite 400
Washington, DC 20006-3708
jwr@nei.org

Mr. Charles B. Brinkman
Washington Operations
ABB-Combustion Engineering, Inc.
12300 Twinbrook Parkway, Suite 330
Rockville, MD 20852
brinkmcb@westinghouse.com

Mr. James Gresham, Manager
Regulatory Compliance and Plant Licensing
Westinghouse Electric Company
P.O. Box 355
Pittsburgh, PA 15230-0355
greshaja@westinghouse.com

Ms. Barbara Lewis
Assistant Editor
Platts, Principal Editorial Office
1200 G St., N.W., Suite 1100
Washington, DC 20005
Barbara_lewis@platts.com

Mr. Alexander Marion, Executive Director
Nuclear Operations & Engineering
Nuclear Energy Institute
1776 I Street, NW, Suite 400
Washington, DC 20006-3708
am@nei.org

Mr. John Butler, Director
Safety-Focused Regulation
Nuclear Energy Institute
1776 I Street, NW, Suite 400
Washington, DC 20006-3708
jcb@nei.org

Mike Melton, Senior Project Manager
1776 I Street, NW, Suite 400
Washington, DC 20006-3708
man@nei.org

Dennis Buschbaum
PWROG Chairman
Comanche Peak Steam Electric Station
6322 North Farm to Market Rd 56
Mail Code E15
Glen Rose, TX 76043
Dennis.Buschbaum@luminant.com

Mr. James H. Riley, Director
Engineering
Nuclear Energy Institute
1776 I Street, NW
Washington, DC 20006-3708
jhr@nei.org