

June 24, 2010

MEMORANDUM TO: Anthony Ulses, Chief
Reactor Systems Branch
Division of Safety Systems
Office of Nuclear Reactor Regulation

FROM: Jennifer Gall, General Engineer (NSPDP) */RA/*
Reactor Systems Branch
Division of Safety Systems
Office of Nuclear Reactor Regulation

SUBJECT: MEETING WITH THE NUCLEAR ENERGY INSTITUTE (NEI)
AND INDUSTRY REPRESENTATIVES TO DISCUSS NRC
GENERIC LETTER 2008-01, "MANAGING GAS
ACCUMULATION IN EMERGENCY CORE COOLING, DECAY
HEAT REMOVAL, AND CONTAINMENT SPRAY SYSTEMS"

On June 2, 2010, the Nuclear Regulatory Commission (NRC) staff met with the Nuclear Energy Institute (NEI), utility groups, and other stakeholders at NEI headquarters concerning Generic Letter (GL) 2008-01, "Managing Gas Accumulation in Emergency Core Cooling, Decay Heat removal, and containment spray systems." Enclosure 1 lists the meeting attendees. Enclosure 2 contains the slides from the non-proprietary presentations.

A public meeting notice was issued on May 17, 2010, and was posted on the NRC's external (public) web page (ADAMS Accession No. ML101370134). The notice included the meeting agenda, which was also available as a handout at the meeting. The discussions included the status of (1) NRC GL 2008-01 reviews and the path forward for gas management guidance, (2) the industry's Technical Specification Task Force (TSTF) and licensing efforts to address GL 2008-01, (3) the industry's research relevant to GL 2008-01, including the Pump Road Map Project, Simplified Equation, and Purdue Testing, and (4) the NRC's "Guidance to NRC/NRR/DSS/SRXB Reviewers for Writing TI Suggestions for the Region Inspections" (ML100350656).

In opening remarks, NRC staff noted the number of completed GL 2008-01 reviews and discussed a possible path forward for the endorsement of NEI 09-10. The path described was for the NRC staff to review and issue a Safety Evaluation (SE) on NEI 09-10. The NRC has not yet made a decision on the request to waive the fee for review of NEI 09-10. If the SE endorsed NEI 09-10, a Regulatory Information Summary (RIS) would be issued to inform all stakeholders. A Regulatory Guide (RG) would later be developed to encompass the entire gas management issue including the continuing industry gas management research.

MEETING CONTACT: Warren Lyon, NRR/SRXB
301-415-2897, warren.lyon@nrc.gov

The schedules of NEI 09-10 Revision 1, TSTF 523, the Pump Roadmap Project, the Purdue Test Report, the Simplified Equation, and general status of items to resolve GL 1008-01 were discussed. NEI 09-10 Rev 1 is scheduled to be complete by the end of 2010. Industry intends to submit TSTF 523 to the NRC in July. Industry intends to make a draft of the simplified equation report and the Purdue test report available to the NRC prior to the tentatively scheduled September meeting. Both Industry and NRC took action to create guidance on vortex formation. The slides from the presentations are in Attachment 2.

Mr. Jim Riley led the discussion of industry comments on the NRC's "Guidance to NRC/NRR/DSS/SRXB Reviewers for Writing TI Suggestions for the Region Inspections" (ML100350656). The topic of most interest and discussion was the table of pump void acceptance criteria in section 1.4. This table was based on information in NEI 09-10 and on engineering judgment of the NRC staff. Mr. C. Brennan clarified that the empty spaces in the industry table were a result of the way the table was formatted, and not an indication of missing information. A tentative agreement was reached on a revised table without empty spaces. It was agreed to edit the instructions on how to apply the values in the table for further clarification. The NRC staff took an action to re-write section 1.4 of the guidance and industry accepted several additional actions to further explain the use of the information in this table in NEI 09-10 Rev. 1.

After lunch discussions were dedicated to detailed proprietary presentations on the Purdue Testing and the Simplified Equation. The purpose of these discussions was to give NRC staff a better understanding and ability to comment on the methodologies used and the preliminary results of the testing.

Enclosures:

1. Meeting Attendees
2. Presentation Slides

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John Lane	Mehdi Reisfard	David Beaulieu	Thomas Koshy
Zeechung Wang	Sher Bahadur	John Burke	Clint Ashley
Rich Lobel	Amrit Patel	Harry Wagage	Gary Wang
Carl Schulten	David Garmon-Candelaria		

Accession Number: ML101650201

OFFICE	NRR/DSS	NRR/DSS	NRR/DS
NAME	JGall	WLyon	AUlses
DATE	06/14/10	06/14/10	06/24/10

Enclosure1
List of Meeting Attendees

Name	Organization
J. Riley	NEI
S. Swantner	Westinghouse
M. Swartz	Westinghouse
A. Ulses	NRC/NRR
J. Gall	NRC/NRR
D. Woodyatt	NRC/NRR
W. Lyon	NRC/NRR
B. Henry	Fauske and Associates Inc
M. Groome	Entergy
B. Mann	TSTF/Excel
M. Avery	PWROG/Duke
T. Nowinowski	PWROG/Westinghouse
B. Commings	DECO/USA
L. Windhem	Lumin
A. Lin	Pacific Gas & Electric (Diablo Canyon)
G. Schinzel	Strategic Team and Resource Sharing (STARS)
P. Rush	MPR Associates
J. Duffy	PSEG Nuclear
C. Brennan	Exelon Nuclear
J. Brown	Arizona Public Service Co.
M. Iannantuono	GE-Hitachi
T. Schiffley	BWROG/Exelon
K. Keithline	NEI
J. Clade	NRC/RES
M. ReisiFard	NRC/RES
S. Dolby	Platts
Z. Wang	NRC/RES
D. Wnanan	NRC/NRR