

March 13, 2012

MEMORANDUM TO: Michael Waters, Acting Deputy Director  
Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety  
and Safeguards

FROM: Steve Ruffin, Project Manager *IRA*  
Licensing Branch  
Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety  
and Safeguards

SUBJECT: SUMMARY OF FEBRUARY 14, 2012, MEETING WITH THE  
NUCLEAR ENERGY INSTITUTE AND INDUSTRY REGARDING TOP  
NOZZLE AND MARINE ATMOSPHERE STRESS CORROSION  
CRACKING

#### Background

On February 14, 2012, the U.S. Nuclear Regulatory Commission (NRC) staff held a public meeting with Nuclear Energy Institute (NEI) and industry. The purpose of the meeting was to discuss NEI's Regulatory Issue Resolution Protocol (RIRP) draft closure form for top nozzle stress corrosion cracking (SCC); and to discuss industry's plans for collecting data from actual casks and development of screening criteria for marine atmosphere SCC. No regulatory decisions were requested nor made at the meeting. Enclosure 1 contains the list of meeting attendees, Enclosure 2 contains the meeting agenda, and Enclosure 3 contains the presentations given by NEI and industry as meeting handouts.

#### Summary of Meeting

Top Nozzle: On February 14, 2012, 12:45 PM-2:00 PM, NEI and industry met with NRC staff to discuss NEI and industry's draft "Used Fuel Storage and Transportation Issue Closure Form for Issue Number I-10-01, PWR Fuel Top Nozzle Stress Corrosion Cracking (SCC)" under the RIRP pilot. The draft closure form included issue resolution, four variants of the top nozzle assemblies (based on physical configuration and handling techniques) previously addressed, license/Certificate of Compliance amendment determination, analyses/evaluations, references and additional actions. NEI will provide the final closure form for NRC review and acceptance within one week. The staff will review the form upon receipt and if accepted, the issue closure form would serve as an interim durable record until such time as NRC issues a generic communication.

Marine Atmosphere: On February 14, 2012, 2:15 PM-5:00 PM, NEI and industry met with NRC staff to discuss marine environment SCC. NEI and industry presented its approach and timeline for addressing the marine atmosphere SCC issue, its plans for collecting data from actual casks and development of screening criteria (See Enclosure 3). There were extensive Q&As between NRC and industry on its current plan and screening criteria. NEI plans to request a follow-up meeting in late March to provide more information.

TAC No.: LA0119

Enclosures: 

1. Meeting Attendees
2. Agenda
3. Handouts
  - Marine Atmosphere Stress Corrosion Cracking RIRP Issue
  - Plans for Inspection of Stainless Steel Canisters in Service

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Distribution: NRC Attendees  
 Electronic Distribution: NMSS/SFST  
 G:\SFST\Ruffin\NEI\Meetings\2012 Feb 14\Meeting Summary-2-14-r1

**ADAMS Package No.: ML12074A009**

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<b>NAME</b>	SRuffin		WWheatley		CLipa	
<b>DATE</b>	3/6/2012		3/12/2012		3/13/2012	

C=Without attachment/enclosure E=With attachment/enclosure N=No copy **OFFICIAL RECORD COPY**

MEETING ATTENDEES  
Meeting Between the Nuclear Regulatory Commission,  
NEI and Industry

February 14, 2012

Mike Waters	NRC/SFST
Steve Ruffin	NRC/SFST
Jason Piotter	NRC/SFST
David Pstrak	NRC/SFST
Aby Mohseni	NRC/SFAS
Dan Lenehan	NRC/OGC
Robert Einziger	NRC/SFST
Sara DePaula	NRC/SFST
Tae Ahn	NRC/SFAS
James Rubenstone	NRC/SFAS
Christine Lipa	NRC/SFST
Greg Oberson	NRC/RES
Darrell Dunn	NRC/RES
Steve Strentker	Transnuclear
Rod McCullum	NEI
Keith Waldrop	EPRI
Glenn Schwartz	PSEG Nuclear Fuels
Keith Waldrop	EPRI
Jana Bergman	Sciencetech, CWFC
Jim Wood	Constellation Energy
Heidi Vallenta	Constellation Energy
Ray Termini	Exelon
Kwan Lee	Foreign Assignee to NRC
James Connell	Maine Yankee
John Kessler	EPRI
Brian Gutherman	GTS/NEI

By Teleconference:

Zita Martin	TVA
Yi-Ming Pan	SWRI

**Agenda**  
**Public Meeting with Nuclear Energy Institute**  
**On Top Nozzle and Marine Atmosphere**

February 14, 2012

12:45 PM - 5:00 PM

- |                |                                                                                                      |
|----------------|------------------------------------------------------------------------------------------------------|
| 12:45-12:50 PM | Call to Order and Introductory Remarks                                                               |
| 12:50-2:00 PM  | Discuss RIRP Closure and draft closure form proposed by industry                                     |
| 2:00-2:15 PM   | Open Discussion / Public Comments / Break                                                            |
| 2:15-4:30 PM   | Discuss industry's plans for collecting data from actual casks and development of screening criteria |
| 4:30-4:45 PM   | Discuss Next Milestone(s) and Anticipated Date(s)                                                    |
| 4:45-5:00 PM   | Open Discussion / Public Comments / Wrap-up                                                          |

PRESENTATION HANDOUTS