

May 28, 2009

MEMORANDUM TO: Robert A. Nelson, Deputy Director
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

FROM: Marlayna Vaaler, Project Manager */RA FSaba for/*
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE APRIL 30, 2009, MEETING BETWEEN THE
NUCLEAR REGULATORY COMMISSION STAFF AND THE NUCLEAR
ENERGY INSTITUTE LICENSING ACTION TASK FORCE

On April 30, 2009, members of the Nuclear Regulatory Commission (NRC) staff hosted a meeting with representatives of the Nuclear Energy Institute (NEI) and licensees comprising the Licensing Action Task Force (LATF), at NRC Headquarters in Rockville, Maryland. This meeting was open to the public. Enclosure 1 is the agenda from the meeting, Enclosure 2 is a list of attendees, and Enclosure 3 is the presented slides/handouts from the meeting. A summary of the discussion is provided below:

1. Leak Before Break Analyses of Weld Overlays

Ted Sullivan (NRC) discussed the Draft Regulatory Information Summary (RIS) on Leak Before Break in Piping Systems with Weld Overlays Applied to Mitigate Primary Water Stress Corrosion Cracking. He noted that a public meeting will be scheduled in the near future to discuss the RIS.

2. NEI 06-02, Revision 1

NEI indicated that the final sections of Revision 1 to NEI 06-02, "LAR [License Amendment Request] Guidelines," have been submitted to the NRC for comment. The NRC agreed to provide appropriate comments to NEI on all remaining sections by May 21, 2009. NEI intends to submit a draft of the full document to all interested parties by July 1, 2009, for peer review, incorporate all comments by October 1, 2009, and present the final draft of NEI 06-02, Revision 1 at the NEI Licensing Forum on October 5-7, 2009. The NRC staff agreed to support this schedule and will work with NEI to consolidate the final document.

3. NEI Licensing Forum

NEI proposed the following topics for possible discussion at the October 5-7, 2009, Licensing Forum: NEI 06-02, Revision 1, the Topical Report process, the Regulatory Issue Resolution Process, Pandemic Planning, standard format and content for Digital Instrumentation and Controls LARs, the Operability Determination process, issues surrounding changes in security requirements, emergency planning, and spent fuel storage, the risk-informed technical specification initiative, and barriers to electronic information exchange. The NRC staff agreed to solicit and provide comments on these proposed topics by the next LATF meeting.

4. Licensing Action Estimates

Robert Nelson, Deputy Director of the Division of Operating Reactor Licensing, led a discussion of the current trends and estimates relating to the processing of licensing actions. NEI provided the results of a survey sent to all licensees asking them to forecast their estimated numbers of requests for licensing action through fiscal year 2010. NEI asked several questions regarding the average man hours needed for the NRC to review a "standard" amendment, and the NRC staff agreed to give a more formal presentation on this topic at a later date.

5. Next LATF Meeting Date

NEI and the NRC agreed to hold the next LATF meeting on Wednesday, July 29, 2009.

Project No. 689

Enclosures:

1. Agenda
2. List of Attendees
3. NRC and NEI Meeting Handouts

cc w/encls: See next page

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Nuclear Energy Institute

Project No. 689

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U.S. NUCLEAR REGULATORY COMMISSION
MEETING WITH NUCLEAR ENERGY INSTITUTE (NEI)
LICENSING ACTION TASK FORCE (LATF)

MEETING AGENDA*

April 30, 2009

9:00 a.m. – 12:00 p.m.

9:00 a.m. – 9:10 a.m.	Introduction
9:10a.m. – 9:45 a.m.	Draft RIS on Leak Before Break in Piping Systems with Weld Overlays Applied to Mitigate Primary Water Stress Corrosion Cracking
9:45 a.m. – 10:30 a.m.	LAR Guidelines Status of NEI 06-02, Rev. 1
10:30 a.m. – 10:45 a.m.	Licensing Forum (October 2009)
10:45 a.m. – 11:00 a.m.	Licensing Action Estimates
11:00 a.m. – 11:30 a.m.	Operability Determination Process
11:30 a.m. – 11:45 a.m.	New Business
11:45 a.m. – 12:00 p.m.	Public Comments

* This is a draft agenda. Agenda order and times may need to be modified to accommodate attendees schedules and topics may be subject to changes.

LICENSING ACTION TASK FORCE MEETING

LIST OF ATTENDEES

APRIL 30, 2009

<u>NAME</u>	<u>ORGANIZATION</u>
Robert Nelson	NRR/DORL
Tom Boyce	NRR/DORL
Marlayna Vaaler	NRR/DORL
Mike Schoppman	NEI
Nancy Chapman	Bechtel
Mike Melton	NEI
Jerry Bennand	NEI
Patricia Campbell	GE Hitachi
Hikaru Ogasawara	Mitsubishi
John Vera	NRR/DORL
Edward Weinkam	Entergy
Pam Cowan	Exelon
Tom Lentz	FENOC
Ronnie Gardner	Areva
Tod Moser	STARS Alliance
Charles Brinkman	Westinghouse
Edward Schrull	GE Hitachi
Dulal Bhowmick	Westinghouse
Bill Horin	Winston & Strawn
Brian Mann	TSTF
Gabe Salamon	Xcel Energy
Jeannie Rinckel	FENOC

Leak Before Break in Piping Systems with Weld Overlays Applied to Mitigate Primary Water Stress Corrosion Cracking



U.S. NRC

UNITED STATES NUCLEAR REGULATORY COMMISSION

Protecting People and the Environment

Ted Sullivan NRR/DCI

April 30, 2009



U.S. NRC

UNITED STATES NUCLEAR REGULATORY COMMISSION

Protecting People and the Environment

LBB of Weld Overlays

- Some licensees are planning to install (or have installed) weld overlays on piping previously approved for Leak-Before-Break (LBB) under GDC-4 PWR licensees impacted only
- Weld overlays would change the analysis configuration for those welds in the NRC approved LBB analysis
- LBB analysis involves a leak path calculation and a crack stability calculation for each weld in the candidate piping system

U.S. Nuclear Regulatory Commission



U.S. NRC
UNITED STATES NUCLEAR REGULATORY COMMISSION
Protecting People and the Environment

LBB of Weld Overlays

- Analysis for a weld overlay location involves a new leak path morphology relative to the morphology used in the previous analysis submitted for NRC approval
- Analysis for the weld overlay location would not be addressed by the previous approval
- GDC-4 requires LBB analyses to be reviewed and approved by the NRC

U.S. Nuclear Regulatory Commission



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Protecting People and the Environment

LBB of Weld Overlays

- Licensees that install weld overlays on piping previously approved by the NRC for LBB have to revise their LBB analyses
- Vehicle for NRC approval of revised LBB analyses is a license amendment request
- NRC is preparing a RIS to inform licensees of the NRC requirements in this area
- NRC staff will engage stakeholders through a public meeting on the draft RIS

U.S. Nuclear Regulatory Commission

Proposed Schedule for NEI 06-02, Rev 1, LAR Guidelines

- 15 June NRC provide comments to NEI on submitted modules

- 01 July NEI distribute draft revision 1 of NEI 06-02 for peer review
(NRC and Industry)

- 01 September Peer reviewers provide comments to NEI on Rev 1

- 01 October NEI Incorporates peer review comments & distributes a
final draft for discussion at the Licensing Forum

- 05-07 October NEI Licensing Forum, Alexandria, VA

Preliminary Outline for NEI Licensing Forum 2009
October 5-7, 2009 – Westin Hotel, Alexandria, VA
(Need comments on the proposed topics and topic pairings; need speaker names)

THEME – Licensing Project Management

Day 1/Morning

KEYNOTE SPEAKERS

- **Introduction** – *NEI*
- **NRC Keynote** – *NRC*
- **Industry Keynote** – *TBD*

PLENARY SESSION ON MANAGEMENT TOPICS

Moderator – *NEI*

Planning and Budgeting for Emerging Issues – *1 NRC, 1 Industry*

Management Objectives for 2009-2010 – *1 NRC, 1 Industry*

Day 1/Afternoon + Day 2/Morning

BREAKOUT SESSIONS on CURRENT TOPICS

Eight breakout sessions for four topics. Repeat each topic so all attendees can hear all four topics. Schedule in pairs - two before the break and two after the break on Monday afternoon, with the same format on Tuesday morning. Two NRC speakers and two Industry speakers for each breakout session. NEI staff will facilitate and document key points and take-aways.

Potential Topics:

- **Improved Industry Guidelines for License Amendment Requests**
- **Improving the Value to Licensees of the Topical Report Process**
- **Regulatory Issue Resolution Protocol**
- **Tools and Training for Licensing Project Management (forecasting, planning, budgeting, scheduling)**

Day 2/Afternoon + Day3/Morning

PLENARY SESSIONS on CURRENT TOPICS

Four plenary sessions for eight topics. Two 45-minute topics per session. Two sessions on Tuesday afternoon and two sessions on Wednesday morning. One NRC speaker and one Industry speaker for each topic. NEI staff will facilitate and document key points and take-aways.

Potential Topics:

- **Preparing for Pandemic Influenza**
- **Standard Format and Content for Digital I&C LARs**
- **Industry Experience with the Operability Determination Process**
- **Issues Related to New Security Requirements**
- **Issues Related to the New Proposed Rule on Emergency Planning**
- **Issues Related to Nuclear Fuel and Spent Fuel Storage**
- **Qualifications and Training for New Licensing Engineers**
- **Barriers to Electronic Information Exchange**
- **Risk-Informed Tech Spec Initiatives**

Day 3/Afternoon

CLOSING PLENARY

- **Forum highlights**
- **Key points and take-aways**

Response to NEI Survey
 Actual or Estimated Number of Requests for Licensing Action (RLA) for FY2006 – FY2010
 (* = estimates represent the average of the actual number of RLA for FY2006 – FY2008)

Plant Key	# Units	FY06	FY07	FY08	FY09	FY10	FY09/10 NON-ROUTINE
01	2	18	17	19	18*	18*	2010 – NFPA-805 (2)
02	2	4	8	8	5	7	2009 – Fuel Vendor Transition
03	1	5	2	4	8	5	2009 – License Renewal 2009 – RX Vessel Internals Program
04	2	8	13	12	12	10	2009 – Uprate (1)
05	1						
06	2						
07	2						
08	2						
09	2						
10	2						
11	2						
12	3						
13	1						
14	2						
15	1						
16	1						
17	2						
18	1						
19	1						
20	1						
21	1						
22	1						
23	2	4	9	11	10	8	One (not specified)
24	2	4	12	10	11	7	One (not specified)
25	1	8	10	7	8	6	
26	2	6	11	6	8	6	
27	2	5	15	8	9	5	One (not specified)
28	2	20	16	23	9	4	One (not specified)
29	2	16	6	9	8	2	
30	2	13	14	19	11	5	
31	2	7	13	7	6	6	
32	1	9	15	6	5	3	One (not specified)
33	2	11	9	10	10	10	2010 – NFPA-805 (2)
34	1	2	5	3	3	3	2010 – License renewal 2010 – NFPA-805
35	1	9	5	6	7	7	
36	1	6	12	6	5*	5*	
37	2	11	24	14	17*	17*	EPU (1)
38	2	10	5	6	7*	7*	
39	2	9	11	9	10*	10*	2010 – Uprate (2); NFPA-805 (2)
40	2	8	6	6	7*	7*	2009 – AST (2) 2010 – EPU (2)

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 (* – estimates represent the average of the actual number of RLA for FY2006 – FY2008)

Plant Key	# Units	FY06	FY07	FY08	FY09	FY10	FY09/10 NON-ROUTINE
41	1						
42	1	8	9	8	8	8	
43	2						
44	2	16	16	20	16	18	2010 – RITSTF 4b (2)
45	1	7	11	9	9	9	2009 – EPU 2010 – NFPA-805 2010 – Setpoint methodology
46	1	8	5	7	7	7	
47	1	2	2	3	2	3	2009 – S/G alternate repair criteria 2010 – NFPA-805
48	1						
49	2						
50	1						
51	2						
52	2						
53	2						
54	1	17	7	7	10*	10*	2010 – NFPA -805
55	2	8	17	3	15	9	
56	2	16	10	4	14	12	
57	1	30	9	17	19	19	2010 – TS (COLR) amendments on methods
58	2	31	13	4	16	16	
59	2	9	8	8	8	8	2009/10 – AST; RMTS; RITS 5b; SFP criticality analysis
60	1	14	4	6	8	8	
61	3						
62	2						
63	1						
64	1						
65	1						
TOTAL	104	359	349	305	252	211	

34 of 65 sites (55 of 104 units)

Discussion Items:

- Will a template like this help?
- Date vs. Fiscal Year (choice of FY start can vary)
- Verify dual-unit amendments counted as 2 RLAs
- Should we distinguish by RLA type? (e.g., Relief Request vs. LAR; CLIP vs. non-CLIP; etc.)
- Definition of "non-routine." Are business LARs counted as non-routine (name change; license transfer)?
- How should we count fleet LARs?
- Is this template sufficient? If not, what changes are needed?