

November 08, 2006

MEMORANDUM TO: Douglas W. Weaver, Branch Chief  
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Division of New Reactor Licensing  
Office of New Reactors

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FROM: Leslie T. Perkins, Project Manager  
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Office of New Reactors

SUBJECT: SUMMARY OF August 16-17, 2006, PUBLIC MEETING AND  
WORKSHOP ON DRAFT REGULATORY GUIDE (DG-1145),  
COMBINED LICENSE (COL) APPLICATIONS FOR NUCLEAR POWER  
PLANTS (LIGHT WATER REACTOR EDITION)

On August 16-17, 2006, the Nuclear Regulatory Commission (NRC) staff met with approximately 45 combined license (COL) application stakeholders in a public meeting to discuss the development of the draft regulatory guide (RG), DG-1145, "Combined License Applications for Nuclear Power Plants (LWR Edition)."

Prior to the meeting NEI submitted topics of interest for discussion with the NRC. Some of the topics identified during the meeting were Probabilistic Risk Assessment (PRA) issues, Section C.IV.3, Change Process, Section C.III.1, Chapter 16, Section 2, Technical Specification, Draft Section C.I.18, Human Factors Engineering and combined license (COL) application information requirements. The pre-workshop comments were provided as handouts and used to facilitate the discussions.

During the discussion of the PRA-related issues, the industry raised concerns about some of the NRC's expectations, including the expectation for new plants that the Large Release Frequency (LRF) will be less than  $1E-6$  and the Conditional Containment Failure Probability (CCFP) will be less than 0.1. The industry proposed that these expectations be eliminated and that Large Early Release Frequency (LERF) be used as a metric. In responding to the industry, the NRC staff made it clear that its positions are consistent with, and will continue to follow, existing commission guidance for new reactors, which are conveyed by numerous Staff Requirements Memos (SRMs). The NRC also pointed out that pursuing revisions to the review expectations/criteria would involve developing new SECY papers to address all the PRA-related issues and subsequent Commission approval/guidance, which would delay final development of the new reactor guidance (e.g., DG-1145 and SRP 19) or potentially result in major revisions of this guidance in the middle of COL reviews. A delay in developing (or major revisions to) these guidance documents would impact the current schedules for new reactor COL submittals and reviews and would create regulatory instability, which is something the industry has indicated it wants to avoid.

The discussion on Section C.IV.3, Changes Process involved discussing the pre-workshop comments that were submitted by prior to the meeting. The pre-workshop comments on Section C.IV.3 were focused on confirming the industry's understanding of the NRC guidance and expectations. The staff also discussed corrections that were made to the section prior to the guide being issued for public comment. During the discussion the industry commented that a definition of change and departures is needed in DG-1145 as well the 10 CFR Part 52 rulemaking. The NRC staff also made note of the industry's comments and agreed to revise the guide as appropriate.

During the discussion of Section C.III.1, Chapter 16, Section 2, Technical Specification the staff listened to the industry's comments and questions. Some of the comments made were concerning the guidance provided in Section C.III.1. The industry felt that some guidance provided did not belong in C.III.1 and should be place in Section C.I.16 of the draft guide. The staff agreed to review the guidance provided in both sections and would make the appropriate changes.

The industry also provided written comments for draft Section C.I.18, Human Factors Engineering. The NRC staff listened to the industries comments and concerns. Some of the content from the NRC draft was removed because the industry considered it to be redundant. The industry also had concerns about he level of detail required. The industry also requested the clearer definition and description of specific terms and phrases used in the draft guide. NEI stated that they have developed a task force to work on DG-1145, Section C.I.18 and invited the NRC to jointly work with them. The NRC stated that they will thoroughly review the industry's written comments.

The industry also provided a table of written comments that highlighted comments submitted in previous workshops that address the combined license (COL) information timing requirements. Some technical staff were available during to meeting to address some of these comments. Industry has concerns that the some of the information that the staff is requesting for their review will not be available at the time that the COL application is submitted. The staff's general response was that the industry needs to consider what information that they can provide to the staff so that technical reviewers can reach a reasonable assurance finding. Staff stated that as a result of some of the comments, the draft guide had been revised. The staff also advised the industry to review Appendix I, Response to Public Comments on DG-1145 when the draft guide is issued for public comment because some of their comments may have been resolved. NEI agreed to revise their table after they review DG-1145 and Appendix I. Any topics that are unresolved will be highlighted in the September workshop. The NRC also briefly discussed the distinction between licensing scope review versus design implementation inspections under the construction inspection program.

The discussion of the Section 17.6, Maintenance Rule was rescheduled for the September public meeting. The meeting dates for the September workshop will also be changed to give stakeholders to review DG-1145 prior to the public meeting. The NRC informed the industry that DG-1145 will be posted on the web September first and the Federal Register Notice for public comment will be issued first week in September. The comment period will begin on the date the FRN issued and the public will have forty-five days to comment on the draft regulatory guide.

Leslie T. Perkins, Project Manager  
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Enclosures:

1. List of Attendees
2. Agenda
3. August Workshop Enclosure 1, Section C.IV.3, Change Process (ML062220499)
4. Enclosure 2, Comments on Other Topics (ML062220650)
5. Enclosure 3, Section C.I.8 (ML062220652)
6. PRA Issues Enclosure 4 (ML062220653)
7. Enclosure 5, Draft Section 17.6, Maintenance Rule (ML062230142)
8. Pre Workshop COLA Enclosure 6, COL information Requirements (ML062230155)
9. Tech Specs Enclosure 7 (ML062230162)
10. Pre Workshop DG1145 C.I.18 rev0, Enclosure 8 (ML062230209)

cc: See next page

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DATE	11/6/2006	11/8/2006

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Distribution for Meeting Summary for August 16-17, 2006 meeting dated

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**Meeting to Discuss DG-1145, Combined License (COL) Application for  
Nuclear Power Plants (Light Water Reactor Edition)**

**Wednesday and Thursday, August 16 - 17, 2006  
8:30 a.m. to 5:00 p.m.**

**U.S. Nuclear Regulatory Commission, Rockville, MD**

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**AGENDA FOR DG-1145 WORKSHOP**  
**August 16, 2006**

- 8:30 a.m. Introductions / Opening Remarks
- 8:45 a.m. Discuss Probabilistic Risk Assessment Related Issues
- 10:00 a.m. Break
- 10:15 a.m. Draft Section C.IV.3, General Description of Changes Processes
- 11:15 am Draft Section C.III.1, Chapter 16, Section 2, Content and Format of Technical Specifications and Bases
- 12:00 p.m. Lunch
- 1:00 p.m. Draft Section C.I.18, Human Factors Engineering
- 3:00 p.m. Break
- 3:20 p.m. Discuss Other Topics As Identified
- 5:00 p.m. Conclusion

**August 17, 2006**

- 8:30 a.m. Introductions / Opening Remarks
- 8:45 a.m. Discuss Combined License Application Information Requirements
- 10:15 a.m. Break
- 10:30 a.m. Continue to Discuss Combined License Application Information Requirements
- 11:00 a.m. Discuss Distinction Between Safety Evaluation Report/Licensing Review Scope versus Design Implementation Inspections under the Construction Inspection Program
- 12:00 p.m. Lunch
- 1:00 p.m. Draft Section C.I.17.6, Maintenance Rule Program Description
- 3:00 p.m. Break
- 3:20 p.m. Discuss Other Topics As Identified
- 5:00 p.m. Conclusion

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