

July 31, 2015

MEMORANDUM TO: Joseph Colaccino, Chief
New Reactor Rulemaking and Guidance Branch
Division of Advanced Reactors and Rulemaking
Office of New Reactors

FROM: George Tartal, Project Manager */RA/*
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Division of Advanced Reactors and Rulemaking
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SUBJECT: SUMMARY OF JULY 1, 2015, PUBLIC MEETING TO DISCUSS THE
DRAFT GUIDANCE ON MITIGATION STRATEGIES FOR NEW
REACTORS

On July 1, 2015, the U.S. Nuclear Regulatory Commission (NRC) staff conducted a Category 3 public meeting at NRC headquarters in Rockville, Maryland regarding the staff's draft guidance for flexible mitigation strategies for new reactors. The purpose of this meeting was to discuss the subject draft guidance to better inform public comments on this topic when the associated proposed rule is published.

The meeting was noticed at Agencywide Documents Access and Management System (ADAMS) Accession No. ML15154B019. The meeting included presentations from the NRC and the Nuclear Energy Institute (NEI). The NRC and NEI's presentation slides are publicly available at ADAMS under Accession Nos. ML15181A340 and ML15182A016, respectively.

Approximately 50 people participated in the meeting; both in-person and remotely using a teleconference line. Meeting participants included NRC staff and management, representatives of the nuclear industry including the NEI, as well as members of the public. No formal comments were solicited during the meeting, as the NRC staff clarified that would occur at a later time through the proposed rule.

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Summary of Presentations:

The NRC staff in its presentation summarized information contained in Appendix A to DG-1301. The presentation addressed the specific topics of coping durations, human actions, expectations for each of the three phases of the mitigation strategies, protection from external hazards, supplemental alternating current power, and shutdown and refueling modes.

The NEI in its presentation summarized the industry's views on the information contained in Appendix A to DG-1301. The presentation addressed the proposed new requirements for new reactors in the proposed rule; questioned the regulatory need for, appropriateness of, and costs and benefits of the safety enhancements; and concluded that the new requirements and associated guidance are unnecessary.

Public Participation Themes:

During the NRC staff's presentation various nuclear industry representatives asked questions and requested clarification on each of the specific topics. The industry's questions and comments are summarized as follows:

- Industry believes that meeting the intent of the orders is necessary, but nothing beyond the orders is necessary.
- Industry believes that there is no regulatory need for additional safety enhancements to new reactor designs, and that significant safety enhancements were achieved through the aircraft impact and mitigation strategies orders.
- Industry would like to see risk used as a metric for imposing new design requirements.
- The costs and benefits associated with the proposed requirement are highly dependent on the scope of changes necessary to comply. Costs could be significant for active designs.
- The NRC should improve the regulatory analysis by increasing its dependence on quantitative benefits.
- If the requirement to enhance coping durations had been known 2-3 years ago, some designs would have selected a different strategy.
- Industry believes that the proposed requirement and guidance would be more easily implemented in a completely new design (i.e., design work not yet started). The proposed requirement would result in regulatory instability for designs currently under NRC review.

- Industry believes that, should the proposed requirement move forward, any needed guidance to support the requirement should be included within NEI 12-06.
- Industry would like to further engage the NRC staff on the guidance.

Action Items/Next Steps:

- Commission to vote on the mitigation of beyond design basis events proposed rule.
- NRC to publish the subject proposed rule in the *Federal Register* for public comment.

Enclosure:
List of Meeting Attendees

- Industry believes that, should the proposed requirement move forward, any needed guidance to support the requirement should be included within NEI 12-06.
- Industry would like to further engage the NRC staff on the guidance.

Action Items/Next Steps:

- Commission to vote on the mitigation of beyond design basis events proposed rule.
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List of Meeting Attendees

cc: See next page

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(Revised 06/04/2015)

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Jae Yong Lee	KHNP
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Steve Franzone*	FPL
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Terry McCool*	FPL

* Participated by teleconference

Enclosure