



NRC Activities and Perspectives Related to the Fukushima Task Force Flooding Hazard Recommendations

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Outline

- Background
- Scope
- Overall Approach
- Flooding Hazard Reevaluation (R 2.1)
- Walkdowns (R 2.3)
- Schedules

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Background

- NRC established the Near-Term Task Force (NTTF) in response to events at Fukushima Dai-ichi in March 2011
- NTTF developed a set of recommendations
- SECY-11-0124 identified recommendations to be taken without unnecessary delay
 - Three 10 CFR 50.54(f) information requests
 - Flooding Hazard Reevaluations and Walkdowns (R2.1 and R2.3)
 - Seismic Hazard Reevaluations and Walkdowns (R2.1 and R2.3)
 - Emergency Preparedness (R9.3)

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Scope: NTTF Recommendation 2.1

- Reevaluate hazards at operating reactor sites
- Collect information to facilitate NRC's determination if there is a need for additional regulatory actions
- Gather information to address a proposed Generic Issue related to upstream dam hazards

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Scope: NTTF Recommendation 2.3

- Develop flooding walkdown procedures
- Perform walkdowns using NRC-endorsed walkdown methodology
- Identify and address degraded, non-conforming or unanalyzed conditions
- Identify and address cliff-edge effects

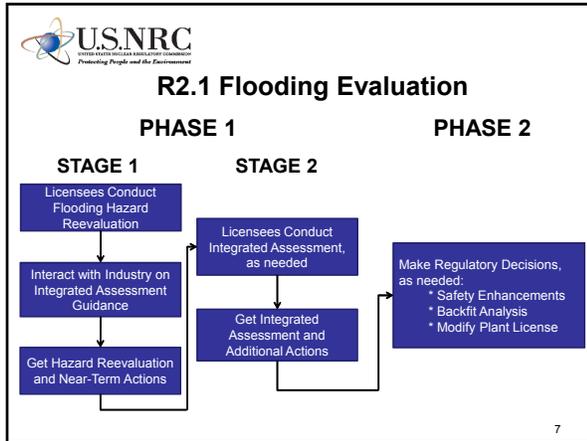
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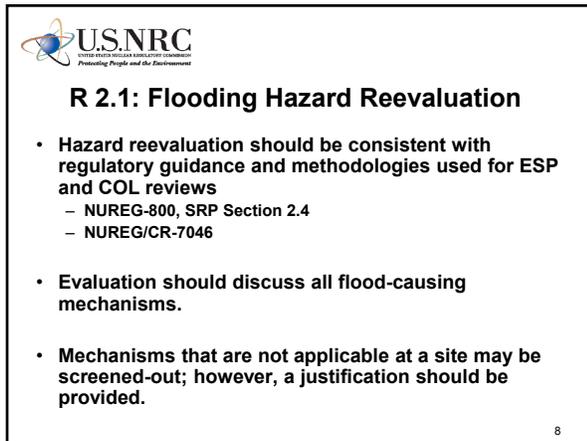


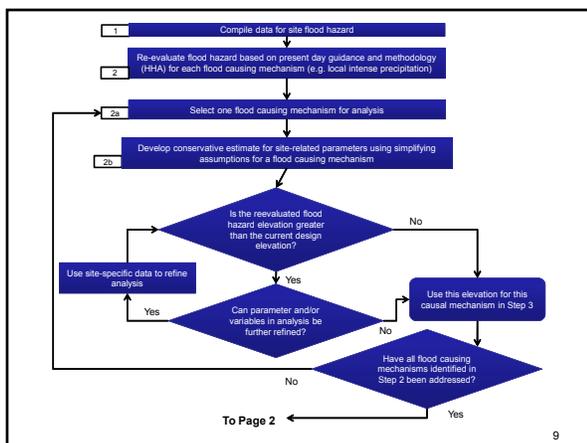
Overall Approach: R2.1

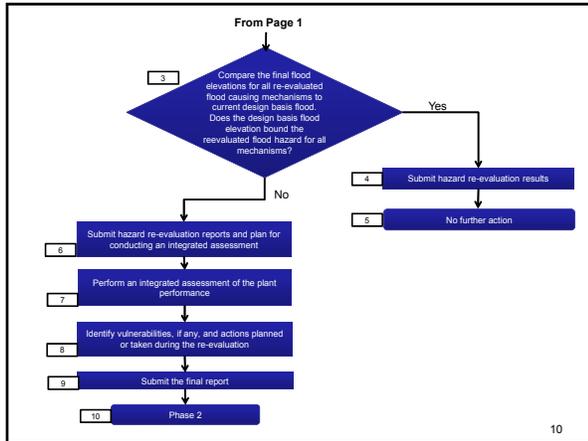
- Recommendation 2.1 will be implemented in two phases:
 - Phase 1:
 - Licensees reevaluate flooding hazards using present-day regulatory guidance and methodologies
 - If necessary, perform an integrated assessment following the hazard reevaluation
 - Phase 2:
 - Based on results of Phase 1, NRC will determine if further regulatory actions are necessary to protect against the updated hazard

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Overall Approach: R2.3

- Licensees and staff interact to develop walkdown methodology
 - Procedures
 - Training
 - Staffing
- Integrate the combined effects of flooding along with other adverse weather conditions, such as high winds, hail, lightning, etc, that could simultaneously occur.
- Integrate insights from any new and relevant flood hazard information, as well as recent flood-related walkdowns.
- Identify any changes since the original licensing (security improvements/temporary structures) and review flood protection/mitigation features.

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Overall Approach: R2.3 (continued)

- Licensees perform the walkdowns using NRC-endorsed walkdown methodology
- Identify and address degraded, non-conforming or unanalyzed conditions addressed by licensee's corrective action program
- Identify and address cliff-edge effects. Addressed by licensee's corrective action program.

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Recommendation 2.1 & 2.3 Schedules

- **Recommendation 2.1: hazard**
 - Develop approach for Integrated Assessment by approximately November 2012.
 - Complete Hazard Evaluations within 1 to 3 years. Include plans for Integrated Assessment, if necessary.
 - Complete Integrated Assessment within 2 years following Hazard Evaluation, if necessary.

- **Recommendation 2.3: walkdown**
 - Inform within 90-days of walkdown procedure.
 - Complete and submit walkdown response by approximately November 2012.

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Questions ?

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