



U.S. NRC

UNITED STATES NUCLEAR REGULATORY COMMISSION

Protecting People and the Environment

NTTF Recommendation 2.1

Seismic

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Office of Nuclear Reactor Regulation
Office of New Reactors



Review Plan for Proposed NEI 12-06 Appendix H Guidance

Mitigation of Beyond- Design-Basis Events (MBDBE) Incorporating Reevaluated Seismic Hazard



Guidance for MBDBE Seismic Assessment

- Staff currently considering draft¹ Appendix H
- Publication of DG-1301² is projected for mid-Oct
 - A 75 days public comment period is planned
- Staff considering Appendix H in future revisions to JLD-ISG-2012-01 late 2015

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1. August 20, 2015, draft is located in ADAMS under ML15233A050
 2. Draft Regulatory Guide-1301, “Flexible Mitigation Strategies for Beyond-Design Basis Events”



Forthcoming Letter on Final Determination for R2.1 Seismic Evaluations



Update on SPRA Reassessment

- Seismic Evaluation Final Determination Letter
 - Discussion of factors for SPRA final determinations
 - Establishes staggered schedules for seismic risk evaluation submittals
 - Proposed schedules for limited scope evaluation submittals are being reviewed

SPRA – Seismic Probabilistic Risk Assessment



Staff Considered the following insights

- Seismic hazard exceedance
- Plant's core damage frequency (CDF) for the plant's specific type of containment
- Available risk insights (e.g. IPEEE)
- Containment design
- Considered licensee insights received following the May 2015 public meeting

IPEEE - Individual Plant Examination of External Events



SPRA Schedule Staggering

- NRC expects to review 7 SPRAs per year based on current staffing plans
- Staggering will supersede prior letters
- Industry insights would support consideration of licensee resource and technical complexities
- Schedules to reflect reduction in number of SPRAs and accommodate early movers
- Licensees are encouraged to inform the NRC of significant changes¹ to the reevaluated seismic hazard information

1. Discussed in letter dated December 10, 2014 (ADAMS ML14307B707),
Regarding GMRS Suitability



Limited Scope Evaluation submittals

- Proposed high frequency implementation schedules under review
 - Limited exceedance evaluations expected by December 2015
 - Site-specific evaluations proposed by December 2016
 - Site-specific evaluations for sites not require to completed SPRAs proposed by August 2017



Opportunity for Public Questions or Comments

Additional Questions? Please ask us at:

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