

50.54(f) FUKUSHIMA RESPONSE SERVICES



U.S. Nuclear Regulatory Commission-March 12, 2012

1. Full Service Support

In response to the U.S. Nuclear regulatory commission (NRC) letter dated March 12, 2012, with the following subject: Request For Information Pursuant To Title 10 Of The Code Of Federal Regulations 50.54(F) Regarding Recommendations 2.1, 2.3, And 9.3, Of The Near-Term Task Force Review Of Insights From The Fukushima Dai-Ichi Accident, ABS Group offers:

- Hazard Reevaluations and Walkdowns (for Seismic and External Flooding Hazards)
- Near-Term Task Force (NTTF Recommendation 2.1 Hazard Reevaluations (Seismic))
- NTTF Recommendation 2.1 Hazard Reevaluations (External Flooding)
- NTTF Recommendation 2.3 Walkdowns (Seismic)
- NTTF Recommendation 2.3 Walkdowns (External Flooding)
- Seismic and External Flooding Design Verification and Validation Support
- Emergency Preparedness Evaluations (for All Internal and External Hazards)

- NTTF Recommendation 9.3 Emergency Preparedness – Communications Evaluations
- NTTF Recommendation 9.3 Emergency Preparedness – Staffing Evaluations

2. Seismic and/or External Flooding Evaluation and Probabilistic Risk Assessment (PRA)

- Experience at Over 50 Nuclear Power Plants Worldwide

3. External Flooding Evaluation Methodology

- Experts in Applying the Hierarchical Hazard Assessment Methodology
- Experts in Applying State-of-the-Art Hydrological Modeling Software (e.g., HEC-HMS, HEC-GeoHMS, HEC RAS, HEC GeoRAS, etc.)
- Experience in evaluating Flooding Mechanisms Include Precipitation, Dam Breaks, Seiche, Storm Surge, and Tsunami

- Authors of a Tsunami Risk Assessment Guidebook for a Japanese Client

4. Seismic Margins Analysis and Seismic PRA (SPRA) Experts

- Co-author of the Electric Power Research Institute (EPRI) TR-1002989 Methodology, including GI-199 Resolution and 50.54(f) Letter Response Compliance Support)

5. 50.54(f) Response

ABS Group Structural Engineers, Seismic Hazards and Fragility Engineers, and Probabilistic Risk Assessment Engineers, have a reputation of experience and expertise in 50.4(f) response.

- EPRI Seismic Qualification Utility Group Walkdown Screening and Seismic Evaluation Training Qualification
- EPRI NTTF Recommendation 2.3 Walkdown Training Qualification
- Extensive Seismic Margins Analysis and SPRA Experience at Over 50 Nuclear Power Plants

www.abs-group.com



Questions?

Contact us for more information on how ABS Group can help improve the safety, risk and reliability of your nuclear plant operations

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