

NRC Actions Related to Fukushima Lessons Learned

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**Fuel Cycle Information Exchange
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NRC Response

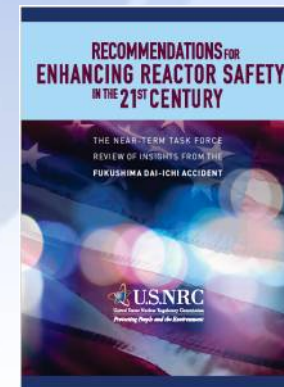
**Executive, Reactor Safety, Protective Measures, Safeguards, Public Affairs,
Liaison Team and Site Team**



NRC Actions

- Inform licensees and conduct immediate review
- Commission directed a methodical and systematic review of the safety of U.S. facilities in light of events in Japan
- Near-Term Task Force review complete

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NRC Actions – Fuel Facilities

- **TI 2600/015 – Evaluate licensee strategies for the prevention and/or mitigation of emergencies**
- **Applicability of lessons learned to Fuel Cycle Facilities will be determined**
- **Commission directed staff to respond with any proposed changes to the licensing basis**

Current U.S. Plant Safety

- **Similar sequence of events in the U.S. is unlikely**
- **Existing mitigation measures could reduce the likelihood of core damage and radiological releases**
- **No imminent risk from continued operation and licensing activities**

Categorization of NTTF Recommendations

- **Subsequent to the NTTF Report, recommendations were categorized into three tiers:**
 - **Tier 1 - To be implemented without unnecessary delay**
 - **Tier 2 - Could not be initiated in the near term due to resource or critical skill set limitations**
 - **Tier 3 - Require further staff study to support a regulatory action**

NRC Actions – Tier 1 Recommendations

- **Regulatory Orders Issued**
 - Mitigation Strategies for Beyond Design Basis Events
 - Reliable Hardened Vents for BWR Mark I and II Containments
 - Enhanced Spent Fuel Pool Water Level Instrumentation
- **Requests for Information Issued**
 - Seismic and Flooding Hazard Reevaluations and Walkdowns
 - Emergency Preparedness Staffing and Communications
- **Rulemaking under way**
 - Station Blackout and Emergency Procedure Integration

Next Steps

- **Develop implementation guidance for the orders and requests for information**
- **Continue rulemaking process**
- **Continue assessment of Fukushima lessons learned applicability to other NRC licensed facilities**
- **Provide the Commission with plans for addressing longer term recommendations in a July SECY paper**

Conclusion

- **NRC is moving forward with identified enhancements for U.S. plants**
- **No imminent risk from continued operation**
- **NRC will evaluate additional lessons learned for applicability to U.S. plants**