



Post Fukushima: NRC Response

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NRC Incident Response

- **Initial NRC response coordinated through Headquarters Operations Center**
- **NRC Office of Nuclear Reactor Regulation has now assumed responsibility for support & coordination efforts**
- **Revolving teams of NRC officials with appropriate expertise have been deployed to Japan since the day after the event**
- **NRC played a key role in coordinated U.S. response to the event**

NRC Inspection Activities

- **Temporary Instruction 2515/183, “Follow-up to the Fukushima Daiichi Nuclear Station Fuel Damage Event”**
- **Inspection Results for TI 2515/183**
 - **Observations “indicate a potential industry trend of failure to maintain equipment and strategies required to mitigate some design and beyond design basis events”**
 - **However, “no functions were compromised that would have resulted in damage to the fuel elements or containment”**

NRC Bulletin 2011-01, “Mitigating Strategies”

- **Issued May 11, 2011**
- **By June 10, respond with information confirming mitigative strategy equipment is in place and available, as well as that the strategies can be carried out with current plant staffing**
- **By July 11, respond with further information, including:**
 - **How essential resources are maintained, tested and controlled to ensure availability**
 - **How strategies are re-evaluated if plant conditions or configurations change**
 - **How arrangements are reached and maintained with local emergency response organizations**

Near-Term Task Force (90 days)

- **Commission Direction for Near-Term Review**
 - **Conduct a methodical and systematic review of relevant NRC regulatory requirements, programs, and processes, and their implementation, to recommend whether the agency should make near-term improvements to our regulatory system**
 - **Recommendations for the content, structure, and estimated resource impact for the longer-term review**
 - **Independent from industry efforts**
 - **Milestones**
 - ✓ **30-day Commission meeting (5/12/11)**
 - ✓ **60-day Commission meeting (6/16/11)**
 - ✓ **90-day final report and Commission meeting (7/19/11)**

Task Force Areas of Focus

- **Protection from design basis natural phenomena**
- **Consideration of beyond design basis natural phenomena**
- **Mitigation for long-term loss of AC power (Station Blackout)**
 - **Including multiple unit events**
- **Emergency preparedness**
- **NRC programs**

Task Force Current Assessment

- **To date the task force has not identified any issues that undermine our confidence in the continued safety and emergency planning of U.S. plants**
- **Task force review likely to recommend actions to enhance safety and preparedness**

Longer-Term Review (9 months)

- **Commission Direction for Longer-Term Review**
 - **Specific information on sequence of events and equipment status**
 - **Evaluate policy issues**
 - **Potential interagency issues**
 - **Lessons learned for facilities other than operating reactors**
 - **Receive input and interact with all key stakeholders**
 - **Report within six months after beginning of long-term effort**
 - **Advisory Committee on Reactor Safeguards to review final long-term report and provide letter report to the Commission**