



Achieving The Mission Through Emergency Planning

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NRC Agency Mission

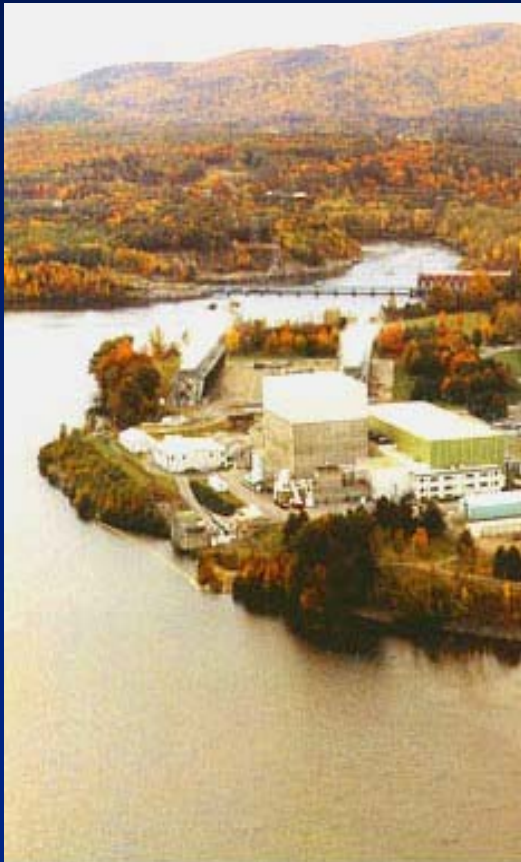
License and regulate the Nation's civilian use of byproduct, source and special nuclear material to ensure adequate protection of public health and safety, promote the common defense and security, and protect the environment

Achieving the Mission

The NRC requires that nuclear power plants be both *safe* and *secure*.

- **Safety** refers to operating the plant in a manner that protects the public and the environment
- **Security** refers to protecting the plant by using trained staff, equipment and other methods from intruders who wish to do harm

Two Pieces of Emergency Preparedness



Offsite

Onsite



Federal Partnerships

- NRC- primary focus on **ONSITE** licensees capability to implement their emergency response plan (E-Plans)
- FEMA primary focus on **OFFSITE** agencies (State/local/Tribal government capabilities to implement their E-Plans)
- Formalized in 44CFR350 (Memorandum of Understanding between NRC and FEMA)

Regulatory basis

- 10 CFR 50.47(b) mandates E- Plans
 - 16 Planning Standards
 - 4 *Risk Significant*
(Classify, Notify, perform Dose Assessment and develop a Protective Action Recommendation (PAR) for offsite officials)
- **NUREG-0654/FEMA REP-1**
Guidance for State/local/Tribal decision makers and licensees

Review and Maintenance of E-Plans

- Inspected by NRC and FEMA annually
- Training provided to responders annually
- Biennial Drill/Exercised formally by NRC and FEMA
 - Licensees are self or peer evaluated annually
- State/local/Tribal Radiological E-Plans integrated into Multi-Hazard Plans
- E-Plans are “Certified” annually by States

Emergency Plan Change Process

- 10 CFR 50.54 (q) requires prior approval by the NRC for changes that are deemed to be a “*Reduction in Effectiveness*”
- FEMA approves significant E-Plan changes for Offsite agencies

Fukushima

- March 11, 2011-Earthquake and Tsunami
- Outcome-Loss of offsite power initiating event
- NRC Response Role
- Path Forward-Task Force, rulemaking considerations, SMRs

Emergency Response and the NRC

- Assess plant conditions
- Evaluate protective action recommendations
- Support off-site officials
- Keep other agencies informed
- Keep news media informed



NRC's Response Organization



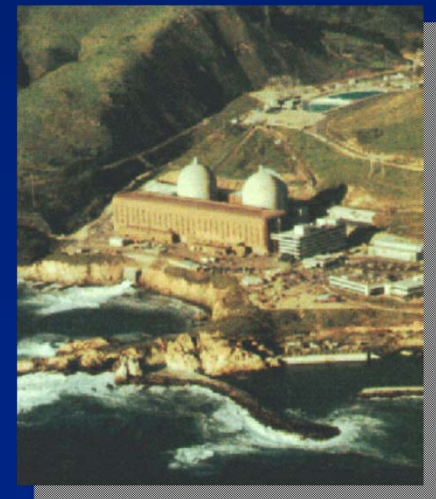
🕒 HQ Operations Officer (HOO)

Executive Team 🕒



🕒 HQ and Regional Assessment Teams

Site Team 🕒



Coordination With Other Agencies

Department of Homeland Security • Department of Defense •
Federal Aviation Administration • Department of Energy •
Environmental Protection Agency • Department of Justice •
Federal Emergency Management Agency • States • Locals



Questions?