

### Status Summary of Japan Lessons Learned Activities (February 2013)

Identifier or Background Source	Regulatory Approach	Description	Status / Schedule
<b>Tier 1</b>			
NTTF 2.1	Request for information (RFI)	Reevaluate seismic and flooding hazards against current requirements and guidance and update the design basis. Take appropriate regulatory action to resolve issues associated with updated site-specific hazards.	<ul style="list-style-type: none"> <li>✓ RFI (03/12/2012)</li> <li>✓ JLD-ISG-2012-04 (11/16/2012)</li> <li>✓ JLD-ISG-2012-05 (11/30/2012)</li> <li>✓ JLD-ISG-2012-06 (01/04/2013)</li> </ul>
NTTF 2.3	RFI	Perform seismic and flood protection walkdowns and address plant-specific vulnerabilities. Take appropriate regulatory action to resolve issues associated with updated site-specific hazards.	<ul style="list-style-type: none"> <li>✓ RFI (03/12/2012)</li> <li>✓ TI 2515/187 (06/27/2012)</li> <li>✓ TI 2515/188 (07/06/2012)</li> <li>✓ Walkdown reports (11/30/2012)</li> </ul>
NTTF 3 (partial)	Plan	Develop a plan to prepare a probabilistic risk assessment (PRA) methodology for seismic-induced fires and floods.	<ul style="list-style-type: none"> <li>✓ PRA plan (06/07/2012)</li> </ul>
NTTF 4.1	Rulemaking	Enhance the capability to maintain plant safety throughout a prolonged station blackout (SBO).	<ul style="list-style-type: none"> <li>✓ ANPR (03/20/2012)</li> <li>✓ COMSECY-13-0002 (01/25/2013)</li> </ul>
NTTF 4.2	Order	Provide a three-phase approach for mitigating beyond-design-basis external hazards.	<ul style="list-style-type: none"> <li>✓ Order (03/12/2012)</li> <li>✓ JLD-ISG-2012-01 (08/29/2012)</li> <li>• Integrated plans (02/28/2013)</li> </ul>
NTTF 5.1	Order	Provide a reliable hardened containment vent system for boiling-water reactor (BWR) Mark I and II containments.	<ul style="list-style-type: none"> <li>✓ Order (03/12/2012)</li> <li>✓ JLD-ISG-2012-02 (08/29/2012)</li> <li>• Integrated plans (02/28/2013)</li> </ul>
NTTF 7.1	Order	Provide a reliable indication of water level in spent fuel storage pools.	<ul style="list-style-type: none"> <li>✓ Order (03/12/2012)</li> <li>✓ JLD-ISG-2012-03 (08/29/2012)</li> <li>• Integrated plans (02/28/2013)</li> </ul>
NTTF 8	Rulemaking	Require integration of onsite emergency response processes, procedures, training, and exercises.	<ul style="list-style-type: none"> <li>✓ ANPR (04/18/2012)</li> <li>✓ Draft Regulatory Basis (01/08/2013)</li> </ul>

Identifier or Background Source	Regulatory Approach	Description	Status / Schedule
NTTF 9.3 (partial)	RFI	Perform a staffing study for responding to multiunit events, evaluate enhancements that would be needed to power communications equipment throughout a prolonged SBO, and inform the NRC of the results.	<ul style="list-style-type: none"> <li>✓ RFI (03/12/2012)</li> <li>✓ Phase 1 Communications response (10/31/2012)</li> <li>• Phase 1 Staffing response (04/30/2013)</li> <li>• Phase 2 Communications and Staffing response (4 months before 2nd refueling outage)</li> </ul>
NTTF 9.4	Voluntary initiative	Complete the Emergency Response Data System (ERDS) modernization initiative by June 2012 to ensure multiunit site monitoring capability.	✓ (June 2012)
SECY-12-0025, Enclosure 2	Under Commission consideration	Related to Near-Team Task Force (NTTF) 5.1. Assess filtration and vent systems for BWR Mark I and II.	✓ SECY-12-0157 (11/26/2012)
SECY-12-0025, Enclosure 2	Orders and RFI	Related to NTTF 2.1, 2.3, 4.1, and 4.2. Include ultimate heat sink (UHS) systems in hazard reevaluations and walkdowns, loss of UHS as a design assumption in conjunction with strategies for dealing with prolonged SBO, and address loss of access to normal UHS in conjunction with measures taken to deal with beyond-design-basis external hazards.	✓ Subsumed within Orders and RFI (03/12/2012)
<b>Tier 2</b>			
NTTF 7.2-7.5	Rulemaking	Require licensees to provide reliable spent fuel pool makeup capabilities.	✓ COMSECY-13-0002 (01/25/2013)
NTTF 9.3 (partial)	Approach under evaluation	Require a revision to the emergency plan to address multiunit dose assessments, periodic training and exercises for multiunit and prolonged SBO scenarios, and drills on identification and acquisition of offsite resources, and ensuring sufficient emergency preparedness (EP) resources for multiunit and prolonged SBO scenarios.	<ul style="list-style-type: none"> <li>• Under staff evaluation for path forward</li> </ul>
SECY-12-0025, Enclosure 3	RFI	Reevaluate other natural external hazards against current requirements and guidance and update the design basis. Take appropriate regulatory action to resolve issues associated with updated site-specific hazards.	<ul style="list-style-type: none"> <li>• Initiate as resources are available</li> </ul>

Identifier or Background Source	Regulatory Approach	Description	Status / Schedule
<b>Tier 3</b>			
NTTF 2.2	Rulemaking	Periodic confirmation of seismic and flooding hazards.	• SECY-12-0095 Program Plan
NTTF 3 (partial)	<i>Long-term evaluation</i>	Potential enhancements to the capability to prevent or mitigate seismically-induced fires and floods.	• SECY-12-0095 Program Plan
NTTF 5.2	<i>Long-term evaluation</i>	Reliable hardened vents for other containment designs.	• SECY-12-0095 Program Plan
NTTF 6	<i>Long-term evaluation</i>	Hydrogen control and mitigation inside containment or in other buildings.	• SECY-12-0095 Program Plan
NTTF 9.1, 9.2	<i>Critical skills availability</i>	EP enhancements for prolonged SBO and multiunit events.	• SECY-12-0095 Program Plan
NTTF 9.3 (partial)	<i>Dependent on NTTF 10</i>	ERDS capability.	
NTTF 10	<i>Long-term evaluation</i>	Additional EP topics for prolonged SBO and multiunit events.	
NTTF 11	<i>Long-term evaluation</i>	EP topics for decisionmaking, radiation monitoring, and public education.	
NTTF 12.1	<i>Dependent on NTTF 1</i>	Reactor Oversight Process (ROP) modifications to reflect the recommended defense-in-depth framework.	• SECY-12-0095 Program Plan
NTTF 12.2	<i>Dependent on NTTF 8</i>	Staff training on severe accidents and resident inspector training on severe accident management guidelines.	• SECY-12-0095 Program Plan
SECY-12-0025, Enclosure 2	<i>Long-term evaluation</i>	Basis of emergency planning zone size.	• SECY-12-0095 Program Plan
SECY-12-0025, Enclosure 2	<i>Long-term evaluation</i>	Pre-staging of potassium iodide beyond 10 miles.	• SECY-12-0095 Program Plan
SECY-12-0025, Enclosure 2	<i>Long-term evaluation</i>	Transfer of spent fuel to dry cask storage.	• SECY-12-0095 Program Plan

Identifier or Background Source	Regulatory Approach	Description	Status / Schedule
SECY-12-0025, Enclosure 2	<i>Long-term evaluation</i>	Reactor and containment instrumentation withstanding beyond-design-basis conditions.	<ul style="list-style-type: none"><li>• SECY-12-0095 Program Plan</li></ul>