



Briefing on the Japan Near Term Task Force Report – Prioritization of Recommendations

R. William Borchardt
Executive Director for Operations
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Prioritization of Near-Term Task Force Recommendations

Eric Leeds

**Director of the Office of
Nuclear Reactor Regulation**

Agenda

- **Background**
- **Prioritization of NTTF Recommendations**
- **Additional issues**
- **Resources**
- **Next steps**

NTTF Conclusions

- **No imminent risk from continued operation and licensing activities**
- **NTTF report provided 12 overarching recommendations addressing principles of defense-in-depth, protection, mitigation and emergency preparedness**

Status of SRM-SECY-11-0093

- **Required four Notation Vote Papers on NTTF report:**
 - **Proposed charter (complete)**
 - **Staff recommendations (complete)**
 - **Prioritization (complete)**
 - **Recommendation 1 (due within 18 months)**

Staff Review of NTTF Recommendations

- **Commission paper (SECY-11-0124) contains staff's assessment of the NTTF recommendations that can and, in the staff's judgment, should be initiated, in part or in whole, without delay**

Prioritization of NTTF Recommendations

- **Commission paper (SECY-11-0137) contains staff's prioritization of the NTTF recommendations, including:**
 - **Recommended regulatory actions**
 - **Implementation challenges**
 - **Technical and regulatory bases**
 - **Additional recommendations**
 - **Schedule and milestones**

Three Tiers of Recommendations

- **Tier 1 – Start without delay**
- **Tier 2 – Start in the near term**
- **Tier 3 – Longer term actions**

Tier 1 Recommendations

- **Recommendations which should be started without unnecessary delay and for which sufficient resource flexibility, including availability of critical skill sets, exists**

Tier 1 Recommendations

- **Seismic and flood hazard reevaluations (2.1)**
- **Seismic and flood walkdowns (2.3)**
- **Station blackout (4.1)**
- **10 CFR 50.54(hh)(2) equipment (4.2)**

Tier 1 Recommendations (cont'd)

- **Reliable hardened vent for Mark I and Mark II containments (5.1)**
- **SFP instrumentation (7.1)**
- **Strengthening on-site emergency response capabilities (8)**
- **Emergency preparedness (9.3)**

Additions to Tier 1

- **Reliable Mark II Containment Vents**
 - **Concurrent with Mark I (5.1)**
- **SFP Instrumentation (7.1)**
 - **Interact with stakeholders regarding functional requirements**
 - **Issue order requiring implementation**

Tier 2 Recommendations

- **Recommendations which could not be initiated without delay due to factors that include:**
 - **Need for further technical assessment and alignment**
 - **Dependence on Tier 1 issues**
 - **Availability of critical skill sets**

Tier 2 Recommendations

- **SFP makeup capability (7.2, 7.3, 7.4, and 7.5)**
- **Emergency preparedness (9.3)**
 - **Remaining portions with the exception of ERDS capability**

SFP Makeup Capability (7.2, 7.3, 7.4, and 7.5)

- **Engage stakeholders in support of rulemaking activities to provide reliable SFP instrumentation and makeup capabilities**
- **Development of regulatory basis, proposed rule and implementing guidance**

Emergency Preparedness (9.3)

- **Tier 2 - remaining portions with the exception of ERDS capability**
- **Engage stakeholders on planning standard elements**
- **Issue order requiring necessary changes**

Tier 3 Recommendations

- **Require further staff study**
- **Follow after Tier 1 actions**
- **Depend on critical skill set availability**
- **Depend on resolution of NTTF Recommendation 1**

Tier 3 Recommendations

- **Ten-year confirmation of seismic and flooding hazards (2.2)**
- **Seismically induced fires and floods (3)**
- **Reliable hardened vents for other containment designs (5.2)**
- **Hydrogen control (6)**

Tier 3 Recommendations (cont'd)

- **EP for prolonged SBO and multiunit events (9.1, 9.2, 10)**
- **Enhanced ERDS capability (9.3)**
- **EP-related decision-making, radiation monitoring, and public education (11)**

Tier 3 Recommendations (cont'd)

- **Reactor Oversight Process modifications (12.1)**
- **Staff training on severe accidents, including SAMGs (12.2)**

Additional Issues

- **Additional issues identified by external stakeholders and NRC staff**
 - **Disciplined assessment of relationship to Fukushima lessons learned**
 - **Future assessment and potential prioritization**

Additional Issues

- **Filtration of containment vents**
- **Instrumentation for seismic monitoring**
- **Basis of emergency planning zone size**

Additional Issues (cont'd)

- **Prestaging of potassium iodide beyond ten miles**
- **Transfer of spent fuel to dry cask storage**
- **Loss of ultimate heat sink**

Resources

- **Tier 1 and Tier 2 estimates**
 - **Fiscal Year 2012 – 30 FTE**
 - **Fiscal Year 2013 – 90 FTE**
 - **Total (including out years) – 205 FTE**

Next Steps

- **Evaluate Tier 3 schedules and resource impacts**
- **Identify and provide prioritization of additional issues**
- **Provide options regarding NTTF Recommendation 1**

Acronyms

- **EP – Emergency Preparedness**
- **ERDS – Emergency Response Data System**
- **FTE – Full-Time Equivalents**
- **NTTF – Near-Term Task Force**
- **SAMG – Severe Accident Mitigation Guidelines**
- **SBO – Station Blackout**
- **SFP – Spent Fuel Pool**