February 11, 2011

Charter for Task Force for Assessment of Options for More Holistic Risk-Informed, Performance-Based Regulatory Approach

PURPOSE / SCOPE

Develop a strategic vision and options for adopting a more comprehensive and holistic risk-informed, performance-based regulatory approach for reactors, materials, waste, fuel cycle, and transportation that would continue to ensure the safe and secure use of nuclear material. The options may range from a complement to or alternative to current regulatory framework.

OBJECTIVES

The task force should identify the options and specific actions that the NRC could pursue to achieve a more comprehensive and holistic risk-informed, performance-based regulatory structure. The task force will address the following basic questions:

- 1. Are the current practices adequate for accomplishing the goal of a holistic risk-informed and performance-based regulatory structure?
- 2. How effective have past and on-going risk-informed initiatives been? What are the relevant lessons learned from these initiatives?
- 3. Should the use of risk information continue to be voluntary?
- 4. How effective have recent major deterministic licensing actions (i.e., license renewals, power uprates, B5b mitigation strategies) been? What are the relevant lessons learned from these actions?
- 5. What are the visions for a holistic risk-informed, performance-based regulatory structure for reactors, materials, waste, fuel cycle, and security?
- 6. How can the transition from the current system to a more holistic risk-informed, performance based regulatory structure be optimized?
- 7. What is the schedule for achieving this regulatory structure?
- 8. How should this structure be implemented?
- 9. How should stakeholder input be considered?
- 10. In each area, what are the capabilities and limitations of current probabilistic risk assessment methodologies?