



U.S. NRC

United States Nuclear Regulatory Commission

Protecting People and the Environment

New Reactor Update

Cynthia Jones, Ph.D.

U.S. Nuclear Regulatory Commission

Air Monitoring Users Group Meeting

May 5, 2009

Application for Renewal

- Any person may apply for renewal of a design certification
- If renewal applicant is not the same entity that applied for the original design certification, then new applicant must demonstrate that it has the capability to provide the detailed design
- Notice and comment procedures must be used for a rulemaking proceeding on the application for renewal

Timing & Duration

- Application must be submitted between 12 and 36 months prior to initial expiration
- Initial certification remains in effect if timely application for renewal is submitted
- Standard design certifications can be renewed for additional 10-15 years

Criteria for Renewal

- NRC will issue a renewed design certification if the design complies with the Atomic Energy Act and NRC regulations applicable and in effect at the time the certification was **originally** issued
- The Commission may impose new requirements if they meet the renewal backfit criteria

Amendments at Renewal

- Applicant for renewal may request amendments to the design certification
- NRC shall grant the amendment request if amendment will comply with the Atomic Energy Act and NRC regulations in effect at the time of renewal
- If amendment request entails extensive changes to the design certification, an application for a new design certification must be filed

Next Steps

- Meet with prospective design certification renewal applicants
- Develop renewal application and review guidance with stakeholder input
- Establish infrastructure for handling renewal applications

New Reactor Licensing – The Regulator’s Perspective

- Maintain safety of licensed plants
- Predictable licensing process
- Meaningful public participation
- Enhanced safety for future plants
- Independent and credible regulator

Part 52 Licensing Processes

- Licensing Processes:
 - Early Site Permit (ESP)
 - Design Certification (DC)
 - Combined License (COL)
- Provide a predictable licensing process
- Resolve safety and environmental issues before authorizing construction
- Provide for timely & meaningful public participation
- Encourage standardization of nuclear plant designs
- Reduce financial risk to nuclear plant licensees

New Rx Applications Docketed

- 3 Design Certifications (DC) and 1 DC Amendment
- 17 Combined License Applications
 - South Texas, Bellefonte, Calvert Cliffs, North Anna, Lee, Shearon Harris, Grand Gulf, Vogtle, Summer, Levy County (w/LWA), Callaway, Victoria, Fermi, Comanche Peak, River Bend, Nine Mile Point, and Bell Bend
- 1 Early Site Permit/Limited Work Authorization - Vogtle



United States Nuclear Regulatory Commission

Protecting People and the Environment

Come visit us!

www.nrc.gov