

**Combined License
Application Review
William States Lee III
Units 1 and 2
Overview Panel
October 5, 2016**

Overview of Staff Review

- **Lee COL Application and Contents**
- **AP1000 Design Certification**
- **Lee COL Overview – Safety**
- **Lee COL Overview – Environmental**
- **Summary of Staff Findings**

Lee 1 and 2 COL Application

- **In December 2007, Duke Energy Carolinas, LLC (DEC) submitted the application**
- **DEC would be licensed to construct and operate Lee Units 1 and 2**

Lee 1 and 2 COL Application

- **Incorporates by reference the AP1000 DCD, Revision 19**
 - **NUREG-1793 and supplements**
- **Plant-specific information**
- **COL Information Items**
- **Departures from AP1000 DCD**

Lee 1 and 2 COL Overview: Safety Review

- **ACRS Review, 10 CFR 52.87**
 - **Subcommittee – 10/2015**
 - **Full Committee – 12/2015**
 - **ACRS Report – 12/14/2015**
 - **Supported License issuance**
- **FSEER issued August 1, 2016**

Required Findings

- **Findings – 10 CFR 52.97**
 - 1. Applicable standards and requirements of the AEA and the Commission's regulations have been met**
 - 2. Required notifications to other agencies or bodies have been duly made**

Required Findings

- 3. Reasonable assurance that the facility will be constructed and will operate in conformity with the license, the AEA, and NRC regulations**
- 4. Applicant is technically and financially qualified to engage in the activities authorized**

Required Findings

- 5. Issuance of the licenses will not be inimical to the common defense and security or to the health and safety of the public**
- 6. Findings required by Subpart A of 10 CFR Part 51 have been made**

Lee 1 and 2 COL Overview: Environmental Review

- **EIS completed in accordance with:**
 - **NEPA of 1969**
 - **10 CFR Part 51**
- **U.S. Army Corps of Engineers was a cooperating agency**

Lee 1 and 2 COL Overview: Environmental Review

- **Staff follows a systematic approach to evaluate impacts:**
 - **Solicit and reconcile scoping comments**
 - **Conduct technical review**

Lee 1 and 2 COL Overview: Environmental Review

- Issue draft EIS for public/stakeholder comment**
- Consider and respond to comments in preparing final EIS**

Lee 1 and 2 COL Overview: Environmental Review

- **Stakeholder involvement is a key aspect of the process**
- **Final EIS published December 20, 2013, as NUREG-2111**

Record of Decision

- **States the decision**
- **Identifies alternatives considered**
- **Discusses preferences among alternatives**
- **States whether the Commission has taken all practicable measures to avoid or minimize environmental harm**

Required Findings

- **Findings – 10 CFR 51.107(a)**
 - 1. Requirements of Section 102(2)(A),(C), and (E) of NEPA and the regulations in 10 CFR Part 51, Subpart A, have been met**

Required Findings

- 2. After considering the final balance among conflicting factors in the record of the proceeding, the appropriate action is issuance of the COLs**

Required Findings

- 3. After weighing the environmental, economic, technical, and other benefits against environmental and other costs, and considering reasonable alternatives, the COLs should be issued**

Required Findings

- 4. The staff's National Environmental Policy Act (NEPA) review has been adequate**

Overview of Panel Presentations

Panel	Issues Discussed
Safety (FSER)	<ul style="list-style-type: none">• Site Foundation Response Spectra• Emergency Operations Facility
Environmental (Final EIS)	<ul style="list-style-type: none">• Make-Up Pond C

Acronyms

- **ACRS – Advisory Committee on Reactor Safeguards**
- **AEA – Atomic Energy Act**
- **CFR – Code of Federal Regulations**
- **COL – Combined License**

Acronyms

- **DCD – Design Certification Document**
- **DEC – Duke Energy Carolinas, LLC**
- **EIS – Environmental Impact Statement**

Acronyms

- **FSER – Final Safety Evaluation Report**
- **NEPA – National Environmental Policy Act**