

SCHEDULING NOTE

Title: HEARING ON COMBINED LICENSES FOR V.C. SUMMER NUCLEAR STATION, UNITS 2 AND 3: SECTION 189A OF THE ATOMIC ENERGY ACT PROCEEDING (Public Meeting)

Scheduled: October 12-13, 2011
9:00 am

Purpose: To receive testimony and exhibits regarding the application of South Carolina Electric & Gas for two combined licenses (COLs) to construct and operate new nuclear power generation facilities at the existing V.C. Summer Nuclear Station. The Commission will determine whether the staff's review has been adequate to support the findings in 10 C.F.R. 52.97(a) and 51.107(a); and focus on unique features of the facility or novel issues that arose as part of the review process and other significant technical or policy issues associated with aspects of the staff's review that are important for the Commission to make its final decision, such as the AP1000 design certification rulemaking currently ongoing.

Duration: 1.5 days

Location: Commissioners' Conference Room, 1st fl OWFN

NOTE: Chairman to provide opening remarks, admit exhibits, and swear in witnesses. 20 mins.

Participants: **Presentation**

Day 1

Overview (South Carolina Electric & Gas Co.) **30 mins.***

Stephen A. Byrne, Executive Vice President, Generation & Transmission, and Chief Operating Officer, South Carolina Electric & Gas Company (SCE&G)
Alfred M. Paglia, Jr., Manager, Nuclear Licensing, New Nuclear Deployment, SCE&G
Amy M. Monroe, Licensing Engineer, New Nuclear Deployment, SCE&G
April R. Rice, Licensing Supervisor, New Nuclear Deployment, SCE&G

Topic: Overview

Commission Q & A (round of questions; 6 minutes each) **30 mins.****

Overview (NRC Staff)

30 mins.*

Michael Johnson, Director, Office of New Reactors (NRO)

Scott Flanders, Director, Division of Site and Environmental Reviews, NRO

Frank Akstulewicz, Deputy Director, Division of New Reactor Licensing, NRO

Topic: Overview, including use of design centered review approach for the AP1000 COLs***, and summary of regulatory findings.

Commission Q & A (round of questions; 6 minutes each)

30 mins.**

BREAK

5 mins.

NOTE: For the remaining panels, the applicant is expected to discuss the contents of the COL application while the staff is expected to discuss their review process and regulatory conclusions. Each panel should include a discussion of site-specific ITAAC or other License Conditions associated with the subject matter of the panel.

Safety - Panel 1

Applicant

15 mins.*

Amy M. Monroe, Licensing Engineer, New Nuclear Deployment, SCE&G

Stephen E. Summer, Supervisor, Environmental Services, SCANA Services, Inc.

Staff

40 mins.*

Joseph Sebrosky, Senior Project Manager, NRO

Michelle Hayes, Reactor Systems Engineer, NRO

John Segala, Chief, Balance of Plant Branch 1, NRO

Topic: Relevant sections of the Application and the following chapters from the Final Safety Evaluation Report:

- Chapter 1, "Introduction and Interfaces."
- Chapter 2, "Site Characteristics."
 - Sections of the FSER associated with novel issue regarding the wet-bulb temperature exemption including FSER sections 2.0, 2.3, "Meteorology," 5.4, "Component and Subsystem Design," 6.2, "Containment Systems," 6.4, "Habitability Systems," 9.1.3, "Spent Fuel Pool Cooling System," 9.2.2, "Component Cooling Systems" and 9.2.7, "Central Chilled Water System."
 - Section 2.1, "Geography and Demography" and 2.2, "Nearby Industrial, Transportation, and Military Facilities."

Commission Q & A (round of questions; 9 minutes each)

45 mins.**

BREAK (Lunch Break-Approx. 1:00-2:00pm)

1hour

Safety - Panel 2

Applicant

15 mins.*

Amy M. Monroe, Licensing Engineer, New Nuclear Deployment, SCE&G
Stephen E. Sumner, Supervisor, Environmental Services, SCANA Services, Inc.
Robert B. Whorton, Consulting Engineer, New Nuclear Deployment, SCE&G

Staff

30 mins.*

Kenneth See, Senior Hydrologist, NRO
Gerry Stirewalt, Senior Geologist, NRO
Sarah Tabatabai, Geophysicist, NRO
Malcolm Patterson, Reliability and Risk Analyst, NRO

Topic: Relevant sections of the Application and the following chapters from the Final Safety Evaluation Report:

- Chapter 2 continued
 - Sections 2.4, “Hydrology.”
 - Section 2.5, “Geology, Seismology, and Geotechnical Engineering.”
- High-level overview of the site-specific information contained in the following chapters:
 - Chapter 3, “Design of Structures, Components, Equipment and Systems,” including ground motion response spectra.
 - Chapter 19, “Probabilistic Risk Assessment,” including seismic margins analysis and external event frequencies.

Commission Q & A (round of questions; 9 minutes each)

45 mins.**

BREAK

5 mins.

Safety- Panel 3

Applicant

15 mins.*

Amy M. Monroe, Licensing Engineer, New Nuclear Deployment, SCE&G
Robert E. Williamson, III, Manager, Emergency Planning, SCE&G
Timothy W. Schmidt, Engineer, New Nuclear Deployment, SCE&G
James C. LaBorde, Consulting Engineer, New Nuclear Deployment, SCE&G

Staff

30 mins.*

Donald Habib, Project Manager, NRO
Daniel Barss, Team Leader, New Reactor Licensing Branch, Office of Nuclear Security and Incident Response (NSIR)

Topic: Relevant sections of the Application and the following chapters from the Final Safety Evaluation Report:

- Section 13.3, “Emergency Planning,” including discussion of novel issue associated with the emergency planning zone (EPZ) and the departure associated with relocation of the Technical Support Center and Operational Support Center.
- High-level overview of the site-specific information contained in the following chapters:

- Chapter 6, “Engineered Safety Features,” including Advisory Committee on Reactor Safeguards’ (ACRS) recommendation associated with use of the HABIT computer code.
- Chapter 9, “Auxiliary Systems,” including ACRS letter report observation associated with monitoring for leakage from the radioactive waste discharge line.
- Chapter 8, “Electric Power,” including offsite power.

Note that the panel will not have specific topics to discuss for the following chapters. If the Commission wishes to ask questions on these chapters, this panel would be the appropriate time.

- Chapter 4, “Reactor.”
- Chapter 5, “Reactor Coolant System and Connected Systems.”
- Chapter 7, “Instrumentation and Controls.”
- Chapter 10, “Steam and Power Conversion.”
- Chapter 11, “Radioactive Waste Management.”
- Chapter 12, “Radiation Protection.”
- Remaining portions of Chapter 13, “Conduct of Operations.”
- Chapter 14, “Initial Test Programs.”
- Chapter 15, “Accident Analysis.”
- Chapter 16, “Technical Specifications.”
- Chapter 17, “Quality Assurance.”
- Chapter 18, “Human Factors Engineering.”

Commission Q & A (round of questions; 9 minutes each)

45 mins.**

Day 2

Environmental Overview - Panel 1

Applicant

15 mins.*

April R. Rice, Licensing Supervisor, New Nuclear Deployment, SCE&G

Stephen E. Sumner, Supervisor, Environmental Services, SCANA Services, Inc.

Lisa A. Matis, Project Manager/Regulatory Specialist, Tetra Tech

Staff

30 mins.*

Scott Flanders, Director, Division of Site and Environmental Reviews, NRO

Ryan Whited, Chief Environmental Projects Branch 2, NRO

Patricia Vokoun, Project Manager, NRO

Jack Cushing, Senior Project Manager, NRO

Nancy Kohn, Senior Research Scientist, Pacific Northwest National Laboratory

Topic: Final Environmental Impact Statement:

- Provide a summary of the process for developing the FEIS including:
 - The scoping process
 - Consultations with other State, Federal and local agencies
 - The staff’s independent review and analysis
 - DEIS issuance, public meetings and solicitation of stakeholder comments

- Summarize the environmental impacts for the following resource areas: land use, air quality, water, terrestrial and aquatic ecology, socioeconomics, environmental justice, radiological and non-radiological health, and historic and cultural resources.
- Discuss the analysis of alternatives including:
 - Energy alternatives
 - Alternative sites
- Summarize conclusions and recommendation including a summary of the benefits and costs of the proposed action

Commission Q & A (round of questions; 9 minutes each) **45 mins.****

BREAK **5 mins.**

Environmental Overview - Panel 2

Applicant **10 mins.***

April R. Rice, Licensing Supervisor, New Nuclear Deployment, SCE&G

Lisa A. Matis, Project Manager/Regulatory Specialist, Tetra Tech

Stephen E. Sumner, Supervisor, Environmental Services, SCANA Services, Inc.

Staff **20 mins.***

Scott Flanders, Director, Division of Site and Environmental Reviews, NRO

Ryan Whited, Chief Environmental Projects Branch 2, NRO

Patricia Vokoun, Project Manager, NRO

Daniel Mussatti, Economist, NRO

David Anderson, Senior Research Economist, Pacific Northwest National Laboratory

Topic: Final Environmental Impact Statement:

- Discuss the two novel issues identified in its SECY paper:
 - Environmental justice review
 - Interactions with the U.S. Army Corps of Engineers

Commission Q & A (round of questions; 9 minutes each) **45 mins.****

Closing **60 mins.***

Closing Statement by Applicant 15 mins.*

Closing Statement by Staff 15 mins.*

Commission Q & A and Closing Statements 30 mins.**

*For presentation only and does not include time for Commission Q & A's

**All Commissioners will have an opportunity to ask questions after each panel. Q&A time after each panel will be flexible to allow Commissioners to choose to ask questions after each panel or reserve all or some of their time for a subsequent panel.

***Design issues associated with the AP1000 incorporated by reference have been or will be resolved in the context of the design certification rulemaking.