

Final: 10/6/11 (revised to add presenter names)

## **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, 1<sup>st</sup> 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. Summer**, 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. Summer**, 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. Summer**, 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.

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

In the Matter of	)	
	)	
SOUTH CAROLINA ELECTRIC	)	
AND GAS COMPANY, ACTING FOR ITSELF	)	
AND AS AGENT FOR THE SOUTH CAROLINA	)	Docket Nos. 52-027-COL and 52-028-COL
PUBLIC SERVICE AUTHORITY (ALSO	)	
REFERRED TO AS SANTEE COOPER)	)	
	)	
(Virgil C. Summer Nuclear Station, Units 2 and 3)	)	
	)	
(Mandatory Hearing)		

CERTIFICATE OF SERVICE

I hereby certify that copies of the foregoing **REVISED SCHEDULING NOTE FOR MANDATORY HEARING ON COMBINED LICENSES FOR V.C. SUMMER NUCLEAR STATION, UNITS 2 AND 3 (REVISED TO ADD PRESENTER NAMES)** have been served upon the following persons by Electronic Information Exchange.

Office of Commission Appellate  
Adjudication  
Mail Stop: O-16C1  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001  
[ocaamail@nrc.gov](mailto:ocaamail@nrc.gov)

U.S. Nuclear Regulatory Commission  
Office of the Secretary of the Commission  
Mail Stop O-16C1  
Washington, DC 20555-0001  
Hearing Docket  
[hearingdocket@nrc.gov](mailto:hearingdocket@nrc.gov)

U.S. Nuclear Regulatory Commission  
Office of the General Counsel  
Mail Stop O-15D21  
Washington, DC 20555-0001  
Marian Zobler, Esq.  
Patrick Moulding, Esq.  
Sara Kirkwood, Esq.  
Jody Martin, Esq.  
Sarah Price, Esq.  
Kevin Roach, Esq.  
Karin Francis, Paralegal  
Joseph Gilman, Paralegal  
E-mail:

[marian.zobler@nrc.gov](mailto:marian.zobler@nrc.gov)  
[patrick.moulding@nrc.gov](mailto:patrick.moulding@nrc.gov)  
[sara.kirkwood@nrc.gov](mailto:sara.kirkwood@nrc.gov)  
[jody.martin@nrc.gov](mailto:jody.martin@nrc.gov)  
[sara.price@nrc.gov](mailto:sara.price@nrc.gov)  
[kevin.roach@nrc.gov](mailto:kevin.roach@nrc.gov)  
[karin.francis@nrc.gov](mailto:karin.francis@nrc.gov)  
[joseph.gilman@nrc.gov](mailto:joseph.gilman@nrc.gov)

OGC Mail Center: [OGCMailCenter@nrc.gov](mailto:OGCMailCenter@nrc.gov)

SCANA Corporation  
1426 Main Street  
Columbia, South Carolina 29201  
Alvis J. Bynum, Jr.  
Associate General Counsel for Major Projects  
[abynum@scana.com](mailto:abynum@scana.com)

Virgil C. Summer, Docket Nos. 52-027 and 52-028-COL (Mandatory Hearing)

**REVISED SCHEDULING NOTE FOR MANDATORY HEARING ON COMBINED LICENSES FOR  
V.C. SUMMER NUCLEAR STATION, UNITS 2 AND 3 (REVISED TO ADD PRESENTER NAMES)**

Morgan, Lewis & Bockius, LLP  
Co-Counsel for Southern Nuclear Operating  
Company, Inc.

1111 Pennsylvania Ave., NW  
Washington, DC 20004

Kathryn M. Sutton, Esq.

Lawrence J. Chandler, Esq.

Stephen Burdick, Esq.

Mary Freeze

E-mail: [ksutton@morganlewis.com](mailto:ksutton@morganlewis.com)

[lchandler@morganlewis.com](mailto:lchandler@morganlewis.com)

[sburdick@morganlewis.com](mailto:sburdick@morganlewis.com)

[mfreeze@morganlewis.com](mailto:mfreeze@morganlewis.com)

[Original signed by R. Giitter \_\_\_\_\_]  
Office of the Secretary of the Commission

Dated at Rockville, Maryland  
this 6<sup>th</sup> day of October 2011