

## SCHEDULING NOTE

**Title:** HEARING ON COMBINED LICENSES FOR SOUTH TEXAS PROJECT, UNITS 3 AND 4: SECTION 189A. OF THE ATOMIC ENERGY ACT PROCEEDING (Public Meeting)

**Scheduled:** November 19, 2015  
9:00 am

**Purpose:** To receive testimony and exhibits regarding the application of Nuclear Innovation North America LLC (NINA) for two combined licenses (COLs) to construct and operate new nuclear power generation facilities at the existing South Texas Project site. The testimony will 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. 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).

**Duration:** 1 day

**Location:** Commissioners' Conference Room, 1<sup>st</sup> Floor OWFN

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

**Participants:** **Presentation**

*(Note: Presenters seated at the table are listed, other staff available to answer questions will be seated in the well and reserved rows.)*

**Overview (NINA) (9:20 a.m.)** **30 mins.\***

**At the table:**

**Mark McBurnett.** CEO, Nuclear Innovation North America (NINA)

**Dennis Koehl,** President/CEO South Texas Project Nuclear Operating Company (STPNOC)

**Scott Head,** Manager, Regulatory Affairs, NINA

**Topic:** Overview

**Commission Q & A** (round of questions; 6 minutes each) **24 mins.\*\***

**Overview (NRC Staff)**

**30 mins.\***

**At the table:**

**Jennifer Uhle**, Director, Office of New Reactors (NRO)

**Gary Holahan**, Deputy Director, NRO

**Francis Akstulewicz**, Director, Division of New Reactor Licensing, NRO

**Mark Delligatti**, Deputy Director, Division of New Reactor Licensing, NRO

**Topic:** Overview of the ABWR design certification, summary of key safety information associated with the ABWR design certification\*\*\*, use of design-centered review approach, and summary of regulatory findings.

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

**24 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 its 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\*\*\* (11:15 am)**

**Applicant**

**5 mins.\***

**At the table:**

**Scott Head**, Manager, Regulatory Affairs, NINA

**Mark McBurnett**, CEO, NINA

**Staff**

**15 mins.\***

**At the table:**

**Tom Tai**, Senior Project Manager, NRO/DNRL/LB2

**Richard Turtill**, Senior Financial Analyst, NRR/DIRS/IFAIB

**Dinesh Taneja**, Senior Electronics Engineer, NRO/DE/ICE

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

- Chapter 1, "Introduction and Interfaces," including discussion of novel issue associated with the review of financial qualifications. The staff will also discuss how it analyzed departures and exemptions.

Note that the panel will not have specific topics to discuss for the remaining portions of Chapter 1, "Introduction and Interfaces," with the exception of the qualification of Toshiba as the alternate vendor for the certified ABWR design, which is discussed in a later panel. If the Commission wishes to ask questions on the remaining portions of Chapter 1, this panel would be the appropriate time.

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

**24 mins.\*\***

**BREAK (Lunch Break-Approx. 12:00 pm-1:30 pm)**

**Safety - Panel 2\*\*\* (1:30 pm)**

**Applicant**

**5 mins.\***

**At the table:**

**Scott Head**, Manager, Regulatory Affairs, NINA

**Steven Thomas**, Engineering Manager, NINA

**Willem Mookhoek**, Licensing Supervisor, NINA

**Staff**

**10 mins.\***

**At the table:**

**Tom Tai**, Senior Project Manager, NRO/DNRL/LB2

**Ryan Nolan**, Reactor System Engineer, NRO/DSRA/SPSB

**Sheila Ray**, Senior Electrical Engineer, NRR/DE/EEEB

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

- Chapter 8, “Electric Power”, including discussion of novel issue associated with the review of actions to address NRC Bulletin 2012-01 (Design Vulnerabilities in Electrical Power Systems).
- Chapter 22, “Requirements Resulting from Fukushima Near-Term Task Force Recommendations”, including discussion of novel issue associated with the review of actions to address the issues in Order EA-12-049, “Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events.”

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

- Remaining portions of Chapter 8, “Electric Power”
- Chapter 11, “Radioactive Waste Management”
- Chapter 12, “Radiation Protection”
- Chapter 13, “Conduct of Operations”
- Chapter 14, “Initial Test Program”
- Chapter 15, “Accident Analysis”
- Chapter 16, “Technical Specifications”
- Chapter 18, “Human Factors Engineering”
- Chapter 19, “Probabilistic Risk Assessment”
- Remaining portions of Chapter 22, “Requirements Resulting from Fukushima Near-Term Task Force Recommendations”

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

**24 mins.\*\***

## **Safety - Panel 3\*\*\* (2:10 pm)**

### **Applicant**

**5 mins.\***

#### **At the table:**

**Scott Head**, Manager, Regulatory Affairs, NINA

**Steven Thomas**, Engineering Manager, NINA

**Willem Mookhoek**, Licensing Supervisor, NINA

### **Staff**

**10 mins.\***

#### **At the table:**

**Tom Tai**, Senior Project Manager, NRO/DNRL/LB2

**Dr. Henry Jones**, Senior Hydrologist, NRO/DSEA/RHM1

**Richard McIntyre**, Senior Reactor Operations Engineer, NRO/DCIP/QVIB

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

- Chapter 2, "Site Characteristics," including discussion of novel issue associated with the review of the Design Basis Flood Above Plant Grade.
- Chapter 17, "Quality Assurance," including discussion of novel issue associated with the review of qualifications of Toshiba as the alternate vendor for the certified ABWR design.

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

- Remaining portions of Chapter 2, "Site Characteristics"
- Chapter 3, "Design of Structures, Components, Equipment and Systems"
- Chapter 4, "Reactor"
- Chapter 5, "Reactor Coolant System and Connected Systems"
- Chapter 6, "Engineered Safety Features"
- Chapter 7, "Instrumentation and Controls"
- Chapter 9, "Auxiliary Systems"
- Chapter 10, "Steam and Power Conversion"
- Remaining portions of Chapter 17, "Quality Assurance"

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

**24 mins.\*\***

***BREAK***

***5 mins.***

## **Environmental Overview - Panel (2:55 pm)**

### **Applicant**

**5 mins.\***

#### **At the table:**

**Scott Head**, Manager, Regulatory Affairs, NINA

**Russell Kiesling**, Chief Consultant, Kiesling Ventures LLC

**Peggy Travis**, Environmental Supervisor, STPNOC

### **Staff**

**15 mins.\***

#### **At the table:**

**Patricia Vokoun**, Project Manager, NRO

**Andrew Kugler**, Senior Project Manager, NRO/DSEA/RENV

#### **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
- Outcome of New Information Assessment
- Summarize conclusions and recommendation

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

**24 mins.\*\***

***BREAK***

***5 mins.***

## **Closing (3:45 pm)**

**50 mins.**

### **Closing Statement by Applicant**

**10 mins.\***

**Mark McBurnett**, CEO, NINA

### **Closing Statement by Staff**

**10 mins.\***

**Jennifer Uhle**, Director, NRO

**Gary Holahan**, Deputy Director, NRO

**Francis Akstulewicz**, Director, Division of New Reactor Licensing, NRO

**Mark Delligatti**, Deputy Director, Division of New Reactor Licensing, NRO

## **Commission Q & A and Closing Statements**

24 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.

Commissioners will start the Q&A with their total time allotted to allocate as they see fit among the panels.

\*\*\*Design issues associated with the ABWR incorporated by reference have been resolved in the context of the design certification rulemaking but are discussed here to provide context for the COL review.