

December 4, 2012

MEMORANDUM TO: Ronaldo Jenkins, Branch Chief
LB3 Projects Branch
Division of New Reactor Licensing
Office of New Reactors

FROM: Tom Tai, Senior Project Manager */RA/*
LB3 Projects Branch
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: DECEMBER 10-11, 2012, AUDIT OF NUCLEAR INNOVATION NORTH
AMERICA, LLC, COMBINED LICENSE APPLICATION SEISMIC
ANALYSES

By letter dated September 20, 2007, STP Nuclear Operating Company submitted to the U.S. Nuclear Regulatory Commission, a Combined License Application (COLA) Final Safety Analysis Report to construct and operate two additional units (Units 3 and 4) based on the U.S. Advanced Boiling-Water Reactor Certified Design Control Documents at the South Texas Project Nuclear Power Plant site located in the county of Matagorda near Bay City, Texas. On January 24, 2011, Nuclear Innovation North America became the primary applicant for the license for these two units. The staff has identified a need to audit the hurricane wind analyses that support South Texas Project Units 3 and 4 COLA to address Regulatory Guide 1.221. The audit will take place at the Sargent and Lundy office in Chicago, Illinois from December 10-11, 2012. A copy of the audit plan is enclosed.

Docket Nos.: 52-012
52-013

Enclosure:
As stated

CONTACT: Tom Tai, NRO/DNRL
301-415-8484

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NAME	TTai	SGreen	MChakravorty	BThomas	RJenkins
DATE	11/27/12	11/27/12	11/27/12	11/27/12	12/04/12

OFFICIAL RECORD COPY

**AUDIT PLAN TO REVIEW HURRICANE WIND ANALYSES
SOUTH TEXAS PROJECT UNITS 3 AND 4 COMBINED LICENSE APPLICATION**

APPLICANT: Nuclear Innovation North America, LLC

APPLICANT CONTACT: Scott Head
John Price
Bill Mookhoek, et. Al.

DATE/TIME: December 10-11, 2012
8:30 a.m. - 5:00 p.m.

LOCATION: 55 E. Monroe St.
Chicago, IL 60603

REVIEWERS: Brian Thomas (NRO/DE/SEB2)
Samir Chakrabarti (NRO/DE/SEB2)
Manas Chakravorty (NRO/DE/SEB2)

BACKGROUND

On January 20, 2007, STP Nuclear Operating Company submitted to the U.S. Nuclear Regulatory Commission (NRC), a Combined License Application Final Safety Analysis Report to construct and operate two additional units, South Texas Project (STP), Units 3 and 4 based on the U.S. Advanced Boiling-Water Reactor (ABWR) Certified Design Control Documents at the South Texas Project Nuclear Power Plant site located in the County of Matagorda near Bay City, Texas. On January 24, 2011, Nuclear Innovation North America, LLC became the primary applicant for the license for these two units.

The NRC staff is reviewing the STP Units 3 and 4 Combined License (COL) application that incorporates by reference the design certification for the ABWR. Due to the new technical issues resulting from implementation of the guidance in Regulatory Guide (RG) 1.221, the Structural Engineering Branch 2 proposes to conduct an audit of the hurricane wind analysis in support of the review of Chapter 3.8. The NRC staff will perform the audit at the Sargent & Lundy office in Chicago, Illinois. The NRC staff will follow the guidance in Office of New Reactors (NRO) Office Instruction NRO-REG-108, "Regulatory Audits," in performing this audit.

PURPOSE AND APPROACH

The purpose of this audit is to review analysis performed to address the technical issues identified during the review of Nuclear Innovation North America's (NINA's) implementation of RG 1.221. In addition, the audit will review the supporting documents that were prepared to address some of the open requests for additional information (RAIs) and to clarify existing responses to open RAIs. Any significant findings during the audit will be documented in the audit report and requests for additional information may be issued for scheduled action.

AUDIT ACTIVITIES AND SCHEDULE

The NRC staff will conduct the audit from December 10, 2012 to December 11, 2012. The NRC staff may request an ad-hoc extension of the audit if deemed necessary. Such an extension will be requested before the meeting is adjourned on December 11, 2012 by the NRC staff responsible for the audit.

Following the audit, the NRC staff responsible for the audit will assemble and prepare a final audit report. The final report will be made available to all contributors.

The audit agenda is provided as Enclosure 2. Please contact Tom Tai at 301-415-8484 or at Tom.Tai@nrc.gov if you have any questions related to the audit.

**Proposed Agenda
U. S. Nuclear Regulatory Commission
South Texas Project Combined License Application
Hurricane Wind Analyses Audit
December 10-11, 2012**

Monday, December 10, 2012: Audit - Proprietary

<u>TIME</u>	<u>TOPIC</u>	<u>LEAD</u>
8:30 a.m.	Entrance / Introduction	NRC/NINA
9:15 a.m.	Review U7-SITE-S-CALC-DESN-6004	NRC
12:00 p.m.	Lunch	
1:00 p.m.	Review U7-SITE-S-CALC-DESN-6004	NRC
3:15 p.m.	NRC Caucus	NRC
4:15 p.m.	Comments	NRC/NINA

Tuesday, December 11, 2012: Audit - Proprietary

8:30 a.m.	Entrance / Introduction	NRC/NINA
9:15 a.m.	Review document supporting responses to open RAIs	NRC
12:00 p.m.	Lunch	
1:00 p.m.	Overview of Review	NRC/NINA
3:15 p.m.	NRC Caucus	NRC
4:15 p.m.	Exit	NRC/NINA

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(Revised 11/05/2012)

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