November 13, 2012

MEMORANDUM TO: Hossein Hamzehee, Chief

Licensing Branch 2

Division of New Reactor Licensing

Office of New Reactors

FROM: Tarun Roy, Project Manager /RA Chandu Patel for/

Licensing Branch 2

Division of New Reactor Licensing

Office of New Reactors

SUBJECT: AUDIT REPORT FOR SEISMIC HAZARD SOFTWARE AND NEW

CENTRAL AND EASTERN UNITED STATES SEISMIC SOURCE CHARACTERIZATION MODEL IMPLEMENTATION FOR THE NORTH

ANNA UNIT 3 COMBINED LICENSE APPLICATION

The United States Nuclear Regulatory Commission (NRC) staff conducted an audit of the distinct seismic hazard calculation software being used by the industry to respond to the Fukushima Near-Term Task Force (NTTF) Recommendation 2.1 seismic request for additional information (RAI) submitted to all combined operating license (COL) applicants, including North Anna Unit 3. The purpose of the audit was to review seismic hazard software and examine the implementation of the new seismic source models described in NUREG-2115, "Central and Eastern United States Seismic Source Characterization for Nuclear Facilities." The objective was to gain in-depth understanding of the seismic software being used and the implementation of the new seismic source model into the existing codes for the design and licensing bases described in the North Anna Unit 3 COL application.

The Audit Plan and Audit Summary are located in the Agencywide Documents Access and Management System (ADAMS) as Enclosure 1 (Accession No. ML12206A370) and Enclosure 2 (Accession No. ML12306A408) respectively. The NRC audit team found the applicant's staff very cooperative and forthcoming in their support of the audit and provided information and insights on the design and licensing bases for licensing.

Docket No. 52-017

Enclosures:

1. Audit Plan (ML12206A370)

2. Audit Summary (ML ML12306A408)

CONTACT: Dogan Seber, NRO/DSEA/RGS1

(301) 415-0212

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ADAMS Accession No.: ML12307A289(Pkg)

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		SCGreen for				
DATE	11/7/2012	11/7/2012	11/7/2012	11/8/2012	11/9/2012	11/13/2012

NRC-001

(Revised 09/26/2012)

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