

May 23, 2011

MEMORANDUM TO: Edwin M. Hackett, Executive Director
Advisory Committee on Reactor Safeguards

FROM: David B. Matthews, Director */RA Hossein Hamzehee for:/*
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: SOUTH TEXAS PROJECT UNITS 3 AND 4, COMBINED LICENSE
APPLICATION – ADVANCED SAFETY EVALUATION FOR
CHAPTER 19, ATTACHMENT A, “LOSS OF LARGE AREAS OF THE
PLANT DUE TO EXPLOSIONS OR FIRES”

By letter dated September 20, 2007, South Texas Project Nuclear Operating Company (STPNOC) submitted a combined license application (COLA) to the U.S. Nuclear Regulatory Commission (NRC) for two new units designated South Texas Project Units 3 and 4 (STP 3 and 4). On January 24, 2011, Nuclear Innovation North America LLC (NINA) became the primary applicant for the license of these two units.

Based on our review of the application, the staff is providing the Advisory Committee on Reactor Safeguards (ACRS) its advanced Safety Evaluation (SE) for Chapter 19, Attachment A, “Loss of Large Areas of the Plant Due to Explosions or Fires” (ML111330352). Unless otherwise stated in the SE, the staff’s review is based on Revision 4 of the application. The advanced SE is being provided to support a meeting of the subcommittee of the ACRS on June 21, 2011. The ACRS full committee meeting will be held after the subcommittee meeting.

The staff has reviewed the Memorandum to the Executive Director of Operations dated February 17, 2010, and reviewed our submitted information against the categories that the ACRS requested to be used to highlight information for review by the Committee. Our assessment of this chapter is that there are no items that meet the categories for discussion with the committee.

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The staff concludes that this advanced SE attachment contains information exempt from public disclosure. Therefore, the staff requests that ACRS withhold this advanced SE attachment from public disclosure.

Docket Nos.: 52-012, 52-013

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