

November 1, 2010

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

FROM: David B. Matthews, Director **/F. Akstulewicz for/**
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: STP UNITS 3 AND 4, COMBINED LICENSE APPLICATION –
ADVANCED SAFETY EVALUATION FOR CHAPTER 15, “ACCIDENT
AND ANALYSIS”

By letter dated September 20, 2007, STP Nuclear Operating Company (STPNOC) submitted an application to the U.S. Nuclear Regulatory Commission (NRC) for a combined license (COL) application for STP Units 3 and 4.

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 15, “Transient Accident and Analysis” (ML103020103). Unless otherwise stated in the Safety Evaluation (SE), the staff’s review is based on Revision 3 of the application. The advanced SE is being provided to support a meeting of the subcommittee of the ACRS on November 30, 2010. 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. In addition, for the following reasons the staff proposes not to present the Chapter 15 advanced SE to the subcommittee:

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- The STP Units 3 and 4 final safety analysis report (FSAR) Chapter 15 consists mainly of information incorporated by reference from the Advanced Boiling Water Reactor (ABWR) design control document (DCD). There is some additional information outside of the ABWR DCD that is evaluated by the staff; however, this information is limited to evaluation of site specific χ/Q values and doses, technical departures that are evaluated in other chapters and Tier 2 departures that do not require NRC prior approval.
- There are no ACRS action items associated with Chapter 15.

The staff concludes that the advanced SE does not contain any information exempt from public disclosure. However, the NRC will withhold the advanced SE from public disclosure for ten business days to allow STPNOC the opportunity to verify the staff's conclusion that the advanced SE contains no such exempt information. Therefore, the staff requests that ACRS withhold the advanced SE from public disclosure until the information has been released publicly in ADAMS.

The staff will inform the ACRS immediately if STPNOC requests that any of the information in the advanced SE be withheld from public disclosure.

Docket Nos.: 52-012, 52-013

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DATE	10/29/10	10/29/10	10/29/10	10/29/10	11/1/10

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