

July 12, 2016

MEMORANDUM TO: Andrea Valentin, Executive Director
Advisory Committee on Reactor Safeguards

FROM: Francis M. Akstulewicz, Director */RA Samuel Lee for:/*
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: TURKEY POINT UNITS 6 AND 7, COMBINED LICENSE
APPLICATION — ADVANCED SAFETY EVALUATION WITH
NO OPEN ITEMS FOR CHAPTER 3, “DESIGN OF STRUCTURES,
COMPONENTS, EQUIPMENT AND SYSTEMS”

By letter dated June 30, 2009 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML091830589), Florida Power and Light (FPL) submitted an application to the U.S. Nuclear Regulatory Commission (NRC) for a combined license (COL) for Turkey Point, Units 6 and 7.

Based on our review of the application, the staff is providing the Advisory Committee on Reactor Safeguards (ACRS) its Advanced Safety Evaluation (ASE), with no open items for Chapter 3, “Designs of Structures, Components, Equipment and Systems” (ADAMS Accession No. ML15096A264). Unless otherwise stated in the ASE, the staff’s review was based on Revision 7 of the application. The ASE is being provided to support an upcoming meeting of the subcommittee of the ACRS. The ACRS full committee meeting will be held after the subcommittee meeting.

In accordance with the memorandum to the ACRS dated March 17, 2010 (ADAMS Accession No. ML100700612), the staff has reviewed the submitted information against the categories for which the ACRS requested be used to highlight information for review by the committee. The staff’s assessment of this chapter identified the following subject for discussion with the Committee.

- ASE Sections 3.7, “Seismic Design,” and 3.8, “Design of Category I Structures,” contain an evaluation of the Turkey Point site in regard to foundation design and associated seismic analyses. The Turkey Point Units 6 and 7 nuclear islands will each be founded on lean concrete and structural fill. The Turkey Point Units 6 and 7 Annex Buildings (seismic Category II structures) will be founded on engineered fill.

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

Docket Nos.: 52-040
52-041

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ADAMS Accession Numbers:

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NRO-002

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