

May 7, 2010

Mr. Christopher Costanzo
Vice President, Nuclear Plant Support
NextEra Energy Duane Arnold, LLC
P.O. Box 14000
Juno Beach, FL 33408-0420

SUBJECT: SAFETY EVALUATION REPORT RELATED TO THE LICENSE RENEWAL OF
DUANE ARNOLD ENERGY CENTER

Dear Mr. Costanzo:

By letter dated September 30, 2008, as supplemented by letter dated January 23, 2009, FPL Energy Duane Arnold, LLC (the applicant), submitted, for the U.S. Nuclear Regulatory Commission's (NRC or staff) review, an application to renew the Duane Arnold Energy Center (DAEC) operating license for up to an additional 20 years. The license renewal application (LRA) was submitted pursuant to Title 10 of the *Code of Federal Regulations* Part 54, "Requirements for Renewal of Operating Licenses for Nuclear Power Plants." The staff determined that the LRA was complete and acceptable for docketing on February 11, 2009.

Since that time, the staff has reviewed the DAEC LRA, issued requests for additional information (RAIs), reviewed the applicant's responses to the staff's RAIs, developed a safety evaluation report (SER) with open items, and reviewed the applicant's comments on the SER with open items. The SER with open items will be discussed at an Advisory Committee on Reactor Safeguards (ACRS) subcommittee meeting on June 8, 2010. On the basis of this review, the staff has developed the enclosed SER to document its findings associated with the safety review of the LRA and supporting documentation for DAEC.

C. Costanzo

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The final SER is currently scheduled to be discussed at the ACRS full committee meeting on October 7, 2010. If you have any questions regarding this matter, please contact the license renewal project manager, Brian Harris, at 301-415-2277 or by e-mail at Brian.Harris2@nrc.gov.

Sincerely,

/RA/

Brian Holian, Director
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket No. 50-331

Enclosure:
As stated

cc w/encl: See next page

C. Costanzo

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Sincerely,

Brian Holian, Director
Division of License Renewal
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*Concurrence by e-mail

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Letter to C. Costanzo from B. Holian dated May 07, 2010.

SUBJECT: SAFETY EVALUATION REPORT WITH OPEN ITEMS RELATED TO THE
LICENSE RENEWAL OF DUANE ARNOLD ENERGY CENTER

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