



September 30, 2011

NG-11-0350
10 CFR 50.46(a)(3)(ii)

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Duane Arnold Energy Center
Docket 50-331
License No. DPR-49

10 CFR 50.46 Annual Report of Changes in Peak Cladding Temperature for the Duane Arnold Energy Center

- References: 1) Letter from C. Costanzo (NextEra Energy Duane Arnold) to USNRC, "10 CFR 50.46 Annual Report of Changes in Peak Cladding Temperature for the Duane Arnold Energy Center," NG-10-0480, dated September 30, 2010.
- 2) Letter from P. Wells (NextEra Energy Duane Arnold) to USNRC, "10 CFR 50.46 30-Day Special Report of Changes in Peak Cladding Temperature for the Duane Arnold Energy Center," NG-11-0289, dated August 18, 2011.

In accordance with 10 CFR 50.46(a)(3)(ii), NextEra Energy Duane Arnold, LLC (hereafter NextEra Energy Duane Arnold) hereby provides the annual report regarding the changes in the calculated peak cladding temperature (PCT) of the GE14 fuel currently utilized at the Duane Arnold Energy Center (DAEC). This report covers the period from the last annual report (Reference 1) through August 31, 2011.

Our fuel vendor has notified NextEra Energy Duane Arnold that no changes or errors in the current Loss-of-Coolant Accident analysis methodology have occurred subsequent to those reported in Reference 2. Enclosed is a historical summary of previously reported errors.

This letter contains no new commitments.

A handwritten signature in black ink, appearing to read "P. Wells".

Peter Wells
Vice President, Duane Arnold Energy Center
NextEra Energy Duane Arnold, LLC

Enclosure

**10 CFR 50.46 ANNUAL REPORT
for DAEC - 2011**

Peak Cladding Temperature⁽¹⁾

Last Acceptable Model Results⁽²⁾: 1510°F

Previously Reported Errors and Changes:

2001 - 2010⁽³⁾: +65°F

New Errors and Changes⁽³⁾: +50°F

Analysis of Record Results: 1625°F

(1) Licensing Basis PCT (LBPCT), as defined in NEDE-23785-1-P-A, "The GESTR-LOCA and SAFER Models for the Evaluation of the Loss-of-Coolant Accident: Volume III - SAFER/GESTR Application Methodology," February 1985.

(2) General Electric Report, "Safety Analysis Report for Duane Arnold Energy Center Extended Power Uprate," NEDC-32980P, Revision 1, April 2001.

(3) Evaluations of each reported error have concluded that re-analysis was not required.