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10 CFR 50.46

W3F1-2016-0044

June 9, 2016

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

Subject: Annual Report on Westinghouse Electric Company LLC Combustion
Engineering Emergency Core Cooling System Performance Evaluation
Models for Calendar Year 2015
Waterford Steam Electric Station Unit 3
Docket No. 50-382
License No. NPF-38

Dear Sir or Madam:

This letter provides the Waterford Steam Electric Station Unit 3 (Waterford 3) 10 CFR 50.46(a)(3)(ii) reporting information pertaining to the Westinghouse Electric Company Emergency Core Cooling System (ECCS) performance Evaluation Models (EMs) for calendar year 2015.

There were no changes, error corrections, or enhancements to the 1999 Evaluation Model (EM) which is used in the Large Break Loss-of-Coolant Accident (LBLOCA) Emergency Core Cooling Systems (ECCS) performance analysis. In addition, there were no changes, error corrections, or enhancements to the Supplement 2 Evaluation Model (S2M) which is the EM used in the Small Break Loss-of-Coolant Accident (SBLOCA) ECCS performance analysis.

This letter contains no new commitments.

If you have any questions, or require additional information, please contact John Jarrell at 504-739-6685.

Sincerely,

A handwritten signature in black ink, appearing to read "John P. Jarrell, III".

JPJ/LEM

Attachment: Waterford Steam Electric Station Unit 3 10 CFR 50.46 Annual Notification and Reporting for 2015

cc: Mr. Mark L. Dapas,
Regional Administrator
RidsRgn4MailCenter@nrc.gov

NRC Senior Resident Inspector
Frances.Ramirez@nrc.gov
Chris.Speer@nrc.gov

NRC Project Manager for Waterford 3
April.Pulvirenti@nrc.gov

Attachment to

W3F1-2016-0044

Waterford Steam Electric Station Unit 3 10 CFR 50.46 Annual Notification and Reporting for 2015

**Waterford Steam Electric Station Unit 3 10 CFR 50.46 Annual Notification and Reporting
for 2015**

There were no changes, error corrections, or enhancements to the 1999 Evaluation Model (EM), which is the EM used in Waterford 3 Large Break Loss-of-Coolant Accident (LBLOCA) Emergency Core Cooling System (ECCS) performance analysis in calendar year 2015. In addition, there were no changes, error corrections or enhancements to the Supplement 2 Evaluation Model (S2M), which is the EM used in Waterford 3 Small Break Loss-of-Coolant Accident (SBLOCA) ECCS performance analysis in calendar year 2015.

The limiting PCT results for the large and small break LOCAs continue to meet the criteria of 10 CFR 50.46, paragraph (b) for calendar year 2015.

A summary of the information related to peak clad temperatures (PCT) and adjustment to peak clad temperatures is provided in the following table:

Summary of Information for Waterford 3 10 CFR 50.46 Annual Report for 2015

	Analysis of Record (AOR) Peak Cladding Temperature (PCT), °F Evaluation Model (EM) Used AOR Date	Adjustment as of End-of-Year (EOY) 2015, (°F)	Net PCT at the EOY 2015, (°F)
Small-Break Loss-of- Coolant Accident (SBLOCA)	1925 S2M 6/19/2009	-27	1898
Large-Break Loss-of- Coolant Accident (LBLOCA)	2092 1999EM 7/16/2009	0	2092