



**Entergy Operations, Inc.**

17265 River Road  
Killona, LA 70057-3093  
Tel 504 739 6685  
Fax 504 739 6698  
jjarrel@entergy.com

**John Jarrell**

Manager, Regulatory Assurance  
Waterford 3

10 CFR 50.46

W3F1-2015-0051

July 2, 2015

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 2014  
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 2014.

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 "J. Jarrell", is written over the "Sincerely," and the typed name "JPJ/LEM".

JPJ/LEM

Attachment: Waterford Nuclear Generating Station Unit 3 10 CFR 50.46 Annual  
Notification and Reporting for 2014

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  
Michael.Orenak@nrc.gov

**Attachment to**

**W3F1-2015-0051**

**Waterford Nuclear Generating Station Unit 3 10 CFR 50.46 Annual Notification and  
Reporting for 2014**

**Waterford Nuclear Generating Station Unit 3 10 CFR 50.46 Annual Notification and Reporting for 2013**

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 2014. 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 2014.

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 2014.

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 2014**

	Analysis of Record (AOR) Peak Cladding Temperature (PCT), °F  Evaluation Model (EM) Used  AOR Date	Adjustment as of End-of-Year (EOY) 2014, (°F)	Net PCT at the EOY 2014, (°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	2	2094