



**Entergy Nuclear South**  
Entergy Operations, Inc.  
17265 River Road  
Kilona, LA 70057-3093  
Tel 504 739 6685  
Fax 504 739 6698  
wsteelm@entergy.com

**William J. Steelman**  
Acting Licensing Manager  
Waterford 3

W3F1-2010-0066

July 27, 2010

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  
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) 10CFR50.46(a)(3)(ii) reporting information pertaining to the Westinghouse Electric Company Emergency Core Cooling System (ECCS) performance Evaluation Models (EMs) for calendar year 2009.

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) 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 William Steelman at 504-739-6685.

Sincerely,

A handwritten signature in black ink, appearing to read "William J. Steelman".

WJS/ssf

cc: Mr. Elmo E. Collins, Jr.  
Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region IV  
612 E. Lamar Blvd., Suite 400  
Arlington, TX 76011-4125

NRC Senior Resident Inspector  
Waterford Steam Electric Station Unit 3  
P.O. Box 822  
Killona, LA 70066-0751

U. S. Nuclear Regulatory Commission  
Attn: Mr. N. Kalyanam  
Mail Stop O-07D1  
Washington, DC 20555-0001