



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

August 22, 2014

Vice President, Operations  
Entergy Operations, Inc.  
Waterford Steam Electric Station, Unit 3  
17265 River Road  
Killona, LA 70057-3093

SUBJECT: WATERFORD STEAM ELECTRIC STATION, UNIT 3 – REQUEST FOR  
ADDITIONAL INFORMATION REGARDING A CHANGE TO THE UPDATED  
FINAL SAFETY ANALYSIS REPORT CLARIFYING PRESSURIZER HEATERS  
FUNCTION FOR NATURAL CIRCULATION (TAC NO. MF3058)

Dear Sir or Madam:

By letter dated November 11, 2013, Entergy Operations, Inc., proposed changes to the Waterford Steam Electric Station, Unit 3 Updated Final Safety Analysis Report, which would clarify how the Pressurizer Heaters function is met for natural circulation at the onset of a loss of offsite power concurrent with the specific single point vulnerability.

After reviewing your request, the U.S. Nuclear Regulatory Commission staff has determined that additional information is required to complete the review. Please provide additional information requested in the enclosure within 45 days of receipt of this letter.

If you have any questions, please contact me at 301-415-1445 or via e-mail at [alan.wang@nrc.gov](mailto:alan.wang@nrc.gov).

Sincerely,

A handwritten signature in cursive script that reads "Alan Wang".

Alan B. Wang, Project Manager  
Plant Licensing IV-2 and Decommissioning  
Transition Branch  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-382

Enclosure:  
Request for Additional Information

cc w/encl: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION  
LICENSE AMENDMENT REQUEST TO CLARIFY THE UPDATED FINAL  
SAFETY ANALYSIS REPORT PRESSURIZER HEATERS FUNCTION  
ENTERGY OPERATIONS, INC.  
WATERFORD STEAM ELECTRIC STATION, UNIT 3  
DOCKET NO. 50-382

By letter dated November 11, 2013 (Agencywide Documents Access and Management System Accession No. ML13316C052), Entergy Operations, Inc. (the licensee), submitted a license amendment request (LAR) in which it requested a revision to the Updated Final Safety Analysis Report (UFSAR) for the Waterford Steam Electric Station, Unit 3. The proposed change would modify UFSAR Sections 1.9.26 and 5.4.10.2, to clarify how the Pressurizer Heaters function is met for natural circulation at the onset of a loss of offsite power concurrent with the specific single point vulnerability. The following questions were developed as a result of the U.S. Nuclear Regulatory Commission (NRC) staff's review of the licensee's LAR.

1. Please identify and provide an explanation for which criteria of paragraph 50.59(c)(2) of Title 10 of the *Code of Federal Regulations* (10 CFR) necessitated a license amendment under 10 CFR 50.90.
2. Please provide electrical schematic drawings that show how the common control circuit breaker, CVCEBKR014AB-13, affects the control power close circuitry of the Supply Circuit Breakers to Switchgears 32A and 32B.
3. In Insert 1 of Attachment 2 of the LAR, the licensee proposed to add the following clarification to the UFSAR 1.9.26:

Part of the closing circuitry to these safety-grade circuit breakers share a specific common circuit breaker, CVCEBKR014AB-13. If CVCEBKR014AB-13 is Open at the onset of a loss of offsite power, local manual operator action in the respective train switchgear room is necessary to reenergize the Pressurizer Heaters of that train.

Please explain which alarm in the control room will help a control room operator identify whether the common circuit breaker, CVCEBKR014AB-13 is open. Provide a markup copy of the operating procedure which will then identify the need for the local manual operator action in the respective train switchgear room to reenergize the necessary Pressurizer Heaters.

Enclosure

August 22, 2014

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Entergy Operations, Inc.  
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Sincerely,  
*/RA/*

Alan B. Wang, Project Manager  
Plant Licensing IV-2 and Decommissioning  
Transition Branch  
Division of Operating Reactor Licensing  
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