

June 23, 2004

Mr. Joseph E. Venable  
Vice President Operations  
Entergy Operations, Inc.  
17265 River Road  
Killona, LA 70066-0751

SUBJECT: WATERFORD STEAM ELECTRIC STATION, UNIT 3 - CORRECTION TO  
ISSUANCE OF AMENDMENT RE: PRESSURE TEMPERATURE LIMIT  
CURVES TO 32 EFFECTIVE FULL POWER YEARS WITH POWER UPRATE  
(TAC NO. MC1156)

Dear Mr. Venable:

The Commission issued Amendment No. 196 to Facility Operating License No. NPF-38 for the Waterford Steam Electric Station, Unit 3 (Waterford 3) on June 16, 2004. The amendment consists of changes to the Technical Specifications in response to your application dated October 22, 2003. The amendment requested extension of the pressure temperature curves from 16 effective full power years (EFPYs) to 32 EFPYs. In addition, the request proposed to change: (1) the maximum heatup and cooldown rates to 60 °Fahrenheit/hour (F/hr) and 100 °F/hr, respectively, (2) the low temperature overpressure protection enable temperature, and (3) the evaluation of  $RT_{PTS}$ . A copy of related Safety Evaluation (SE) was enclosed.

Page 7 of the SE incorrectly referenced the date of the License Amendment Request No. NPF-38-249 for Waterford 3 as October 13, 2003. Enclosed is corrected versions of page 7 of the SE, with the correction denoted by a vertical bar. Please discard the associated page from the previous submittal and replace it with the enclosed page.

If you have any questions, please call me at (301) 415-1480.

Sincerely,

*/RA/*

N. Kalyanam, Project Manager, Section 1  
Project Directorate IV  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-382

Enclosure: As stated

cc w/encl: See next page

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- The proposed TS changes include the term of applicability of the new P/T limits curves of 32 EFPYs, the revised maximum heatup of 60 °F/hr and cooldown of 100 °F/hr, and the new LTOP systems enable temperature of 200 °F. These changes correctly reflect the proposed TS changes, and thus, are acceptable.
- Note # was required to allow performance of the hydrostatic test to prove restoration of the structural integrity of any ASME Code Class 1 component (TS 3.4.9, Structural Integrity, Action a). With the reduction in the LTOP enable temperature, the note is no longer needed. Based on the proposed P/T curves, in order to satisfy TS 3.4.9, ACTION "a," the structural integrity of the ASME Code Class 1 components must be restored prior to reaching 260 °F (based on the lowest service temperature of 190 °F plus the TS Action requirement of 70 °F), therefore deletion of Note # is acceptable.
- Changes to the Bases portion of the TSs are consistent with the changes made to the TS . This does not require either a review or acceptance by the NRC staff.
- The level of fracture toughness detail in Table B 3/4 4-1 is contained in the summary analysis of the surveillance capsule (Reference 1) that was provided to the NRC by letter dated March 28, 2003. Therefore, the level of detail is excessive and need not be repeated in the Bases portion of the TS. Further, it is not consistent with the level of detail contained in the Bases of NUREG-1432, Rev. 2, "Standard Technical Specifications Combustion Engineering Plants." This does not require either a review or acceptance by the NRC staff.

In addition to the licensee's request to its revision of the P/T limit curves, in a separate letter dated November 13, 2003, the licensee submitted License Amendment Request No. NPF-38-249 for Waterford 3. In this license amendment, the licensee proposed to increase the rated core thermal power level 3441 MWt to 3716 MWt. This EPU represents an 8 percent increase over the present licensed power level. The NRC staff's safety evaluation for the proposed 8 percent increase over the present licensed power level for Waterford Unit 3 will be issued under the scope of the NRC staff's review of License Amendment Request No. NPF-38-249, which is being separately evaluated.

### 3.2.2 Summary

The staff concludes that the proposed P/T limit curves for the pressure test, core not critical, and core critical conditions satisfy the requirements in Appendix G to 10 CFR Part 50 and Appendix G to Section XI of the ASME Code. Therefore, the proposed P/T limit curves are approved for incorporation into the Waterford 3 TSs and shall be valid until 32 EFPY of facility operation.

## 4.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Louisiana State official was notified of the proposed issuance of the amendment. The State official had no comments.

Waterford Steam Electric Station, Unit 3

cc:

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