



**Entergy Nuclear South**  
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W3F1-2003-0010

February 4, 2003

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

**SUBJECT:** Waterford Steam Electric Station, Unit 3  
Docket No. 50-382  
Supplement to Amendment Request NPF-38-243  
Reactivity/Boron Concentration Changes

**REFERENCE:** Entergy letter dated October 24, 2002, Reactivity/Boron  
Concentration Changes (W3F1-2002-0095)

Dear Sir or Madam:

By the referenced letter, Entergy Operations, Inc. (Entergy) proposed a change to the Waterford Steam Electric Station, Unit 3 (Waterford 3) Technical Specifications. The proposed amendment would revise Technical Specifications relating to positive reactivity additions while in shutdown modes by clarifying Technical Specifications involving positive reactivity additions. The proposed changes are based on Technical Specifications Task Force (TSTF) -286, Revision 2 and allow for small, controlled, safe insertions of positive reactivity while in shutdown modes.

On January 22, 2003, Entergy was informed that the proposed wording for the note in Technical Specifications 3.9.8.1 and 3.9.8.2 must be revised to more closely conform with the wording in TSTF-286, Revision 2. The wording proposed by Entergy, in the referenced letter, was identical to wording the NRC had previously approved for amendment 122 at St. Lucie, Unit 2. As a result, the attachment to this letter contains corrected page 1 of 16 from Attachment 2 of the referenced letter. Please utilize this revised page in place of the original.

The required revision does not change the meaning, implementation, or intent of what was previously submitted therefore, no technical changes are being proposed by this supplement. The original no significant hazards considerations included in the referenced letter is not affected by any information contained in this supplemental letter. There are no new commitments contained in this letter.

If you have any questions or require additional information, please contact D. Bryan Miller at 504-739-6692.

*Aool*

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I declare under penalty of perjury that the foregoing is true and correct. Executed on February 4, 2003.

Sincerely,

 2/4/03  
K.J. Peters  
Director, Nuclear Safety Assurance

KJP/DBM/cbh

Attachment: Revised Page 1 of 16 from W3F1-2002-0095, Attachment 2

cc: E.W. Merschoff, NRC Region IV  
N. Kalyanam, NRC-NRR  
J. Smith  
N.S. Reynolds  
NRC Resident Inspectors Office  
Louisiana DEQ/Surveillance Division  
American Nuclear Insurers

**Attachment**

**To**

**W3F1-2003-0010**

**Revised Page 1 of 16 from W3F1-2002-0095, Attachment 2**

**Revised Page 1 of 16 from W3F1-2002-0095, Attachment 2**

Attachment 2  
W3F1-2002-0095  
Page 1 of 16

**INSERT 1**

Limited plant cooldown or boron dilution is allowed provided the change is accounted for in the calculated SHUTDOWN MARGIN.

**INSERT 2**

Plant temperature changes are allowed provided the temperature change is accounted for in the calculated SHUTDOWN MARGIN.

**INSERT 3**

suspend operations that would cause introduction into the RCS, coolant with boron concentration less than required to meet SHUTDOWN MARGIN of Technical Specification 3.1.1.1 or 3.1.1.2.

**INSERT 4**

operations that would cause introduction into the RCS, coolant with boron concentration less than required to meet the boron concentration of Technical Specification 3.9.1

**INSERT 5**

no operations are permitted that would cause introduction into the RCS, coolant with boron concentration less than required to meet the SHUTDOWN MARGIN of Technical Specification 3.1.1.1 or 3.1.1.2.

**INSERT 6**

no operations are permitted that would cause introduction into the RCS, coolant with boron concentration less than required to meet the minimum required boron concentration of Technical Specification 3.9.1.

**INSERT 7**

operations involving positive reactivity additions that could result in loss of required SHUTDOWN MARGIN or boron concentration

**INSERT 8**

suspend operations that would cause introduction into the RCS, coolant with boron concentration less than required to meet SHUTDOWN MARGIN of Technical Specification 3.1.1.1 or 3.1.1.2.

**INSERT 9**

no operations are permitted that would cause introduction into the RCS, coolant with boron concentration less than required to meet the SHUTDOWN MARGIN of Technical Specification 3.1.1.1 or 3.1.1.2.