

# BWR OWNERS' GROUP

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NRC Project No. 691

BWROG-96115

September 26, 1996

US Nuclear Regulatory Commission

Attention: Document Control Desk

Washington, DC 20555

Subject: **Transmittal of the BWR Owners' Group Licensing Topical Report, "Reactor Stability Long-Term Solution: Enhanced Option I-A Solution Closure," NEDO-32339, Supplement 5, September 1996.**

Enclosed for NRC review and approval is the Enhanced Option I-A (E1A) licensing topical report NEDO-32339, Supplement 5, entitled "Reactor Stability Long-Term Solution: Enhanced Option I-A Solution Closure." Supplement 5 documents refinements to facilitate E1A implementation, to the trip reference setpoint methodology, and to the boundary generation and validation process. Most of the information contained in Supplement 5 was presented to the NRC at meetings in December 1995 and March 1996 as summarized in the attached table. The table also identifies minor solution clarifications and refinements that have been introduced since the March 1996 meeting to ensure solution consistency and completeness.

In order to support commitments made to the NRC regarding implementation dates for this stability solution, an issued safety evaluation report is needed by the end of December 1996. The E1A Committee will describe this information at a meeting with the NRC scheduled for October 16, 1996, to facilitate review of Supplement 5.

Because this information is provided in support of licensee responses to Generic Letter 94-02, the BWR Owners' Group (BWROG) believes there should be no fees associated with review of this submittal.

The information enclosed has been endorsed by a substantial number of the members of the BWROG, however, it should not be interpreted as a commitment by any individual member to a specific course of action. Each member must formally endorse the BWROG position for that position to become the member's position.

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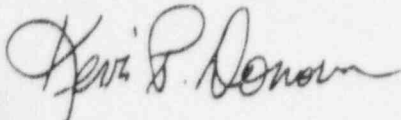
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If you have any questions on this information, please contact the BWROG Enhanced Option I-A Committee Chairmen, Israel Nir (Entergy), at (601) 368-5443, Jason Post (GE), at (408) 925-5362, or the undersigned.

Very Truly yours,

A handwritten signature in cursive script, appearing to read "KP Donovan".

KP Donovan, Chairman  
BWR Owners' Group  
(216) 280-5345

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cc: TJ Rausch, BWROG Vice Chairman  
LE Phillips, NRC  
TL Huang, NRC  
AP Ulses, NRC  
ME Waterman, NRC  
BWROG Primary Representatives of Enhanced Option I-A Participating Utilities  
BWROG Enhanced Option I-A Committee  
SJ Stark, GE  
G Zane, GE

**Summary of Refinements to Stability Long-Term Solution  
Enhanced Option I-A for Solution Closure**

Solution Refinement	First Introduced to NRC		
	December 1995	March 1996	September 1996
<b>Implementation</b> <ul style="list-style-type: none"> <li>• Feedwater heating operation</li> <li>• Power Based Adjustment</li> <li>• Alternate Trip Reference</li> <li>• Restricted Region Entry Alarm operability</li> <li>• Period Based Detection System card operability</li> </ul>	  √ √	 √	   √ √
<b>Trip Reference Setpoints</b> <ul style="list-style-type: none"> <li>• Scram clamp margin</li> <li>• Generic setpoint methodology</li> </ul>	 √ √		
<b>Region Boundary Generation</b> <ul style="list-style-type: none"> <li>• Decay Ratio adder components and bias application</li> <li>• Maximal Region Boundaries</li> <li>• Operating domain changes</li> <li>• Reload validation process</li> </ul>	 √	  √	 √  √ √