

August 19, 2008

Mr. Doug Coleman  
Chair, BWROG  
Energy Northwest  
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Mail Drop PE20  
P.O. Box 968  
Richland, WA 99352-0968

SUBJECT: ADDITIONAL REQUEST FOR ADDITIONAL INFORMATION RE: BOILING  
WATER REACTOR (BWR) OWNERS' GROUP (BWROG) LICENSING  
TOPICAL REPORT (LTR) NEDO-33349, REVISION 1, "BWR APPLICATION TO  
REGULATORY GUIDE 1.97 REVISION 4" (TAC NO. MD6697)

Dear Mr. Coleman:

By letter dated August 31, 2007, the BWROG submitted for U.S. Nuclear Regulatory Commission (NRC) staff review LTR NEDO-33349, Revision 1, "BWR Application to Regulatory Guide 1.97 Revision 4." The NRC staff transmitted a request for additional information (RAI) by letter dated August 4, 2008. Based on discussions at a recent IEEE Accident Monitoring Instrumentation Working Group meeting, the NRC staff has identified one additional area where additional information is needed to complete the review. The additional RAI question is provided below. On August 12, 2008, Mr. Mike Iannantuono, Project Manager, and I agreed that the NRC staff will receive your response to the August 4, 2008, RAI questions and the additional RAI question by October 31, 2008. If you have any questions regarding the RAI question, please contact me at 301-415-1774.

1. Page 4-7 of LTR NEDO-33349, Section 4.2.2 includes a discussion of critical safety functions. Subclause 3.7 of IEEE standard 497-2002 defines five critical safety functions. These five IEEE standard 497-2002 critical safety functions are: reactivity control, reactor core cooling, reactor coolant system integrity, primary reactor containment integrity, and radioactive effluent control. However, Section 4.2.2 only identifies four critical safety functions and these are different from the five critical safety functions that are defined in IEEE standard 497-2002.

Section 4.2.2 should be modified to address each of the five IEEE standard 497-2002 critical safety functions. The Type B key variables that provide information about each of the five IEEE standard 497-2002 critical safety functions should be clearly identified.

Sincerely,

**/RA/**

Michelle C. Honcharik, Senior Project Manager  
Special Projects Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

Project No. 691

cc: See next page

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Michelle C. Honcharik, Senior Project Manager  
Special Projects Branch  
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**ADAMS ACCESSION NO.: ML082210454 \*No major changes from input. NRR-106**

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