



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

February 5, 1991

Docket No. 50-365

Mr. Edward J. Mroczka  
Senior Vice President  
Nuclear Engineering and Operations  
Connecticut Yankee Atomic Power Company  
Northeast Nuclear Energy Company  
P. O. Box 270  
Hartford, Connecticut 06141-0270

Dear Mr. Mroczka:

SUBJECT: EMERGENCY RESPONSE CAPABILITY - CONFORMANCE TO OPEN  
ISSUES REGARDING REGULATORY GUIDE 1.97, REVISION 2 (TAC  
NO. 75776)

We are transmitting herewith our Safety Evaluation with its attachment, an EG&G Idaho, Inc., Technical Evaluation Report (TER) dated August 1990. We find the instrumentation provided by Northeast Nuclear Energy Company for meeting the recommendations of Regulatory Guide 1.97, Revision 2, for Millstone, Unit No. 2, acceptable except for the variables accumulator tank level and pressure, containment sump water temperature and component cooling water (CCW) temperature to the engine and safety features (ESF) system.

With regard to instrumentation for variables accumulator tank level and pressure, this issue is currently under a generic review by the staff concerning the need for environmentally qualified Category 2 instrumentation to monitor accumulator tank level and pressure. We will report on the acceptability of this item when the generic review is complete.

With regard to instrumentation for containment sump water temperature, we do not find your justifications for not providing this temperature monitoring system acceptable. Our position remains that Category 2 instrumentation for containment sump water temperature or alternative Category 2 instrumentation that would, in combination, provide or infer the same information should be provided.

With regard to instrumentation for component cooling water temperature to the ESF system, based on the information provided, we do not find your justification for not providing this instrumentation acceptable. The TER addresses this issue with respect to environmental qualification of instrumentation in a radiation field and the need for an analysis of Category 3 instrumentation that would show that the maximum RBCCW temperature would not exceed the design limits of the installed instrumentation. Therefore, we conclude that you should environmentally qualify this instrumentation through design, test or analysis or provide instrumentation that is environmentally qualified under the provisions

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Mr. Edward J. Mrocza  
Northeast Nuclear Energy Company

Millstone Nuclear Power Station  
Unit No. 2

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Edward J. Mroczka

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of 10 CFR 50.49 and Regulatory Guide 1.97 for the variable CCW temperature to ESF system.

We request your response for resolving the above latter two remaining open issues within 90 days from receipt of this letter.

This requirement affects fewer than 10 respondents and, therefore, is not subject to the Office of Management and Budget review under P. L. 96-511.

Sincerely,

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Guy S. Vissing, Senior Project Manager  
Division of Reactor Projects I/II  
Project Directorate I-4  
Office of Nuclear Reactor Regulation

Enclosure:  
As stated

cc w/enclosure:  
See next page

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