



**DUKE POWER**

September 20, 1995

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

Subject: Catawba Nuclear Station, Units 1 & 2,  
Docket Nos. 50-413 and -414  
McGuire Nuclear Station, Units 1 and 2,  
Docket Nos. 50-369 and 370  
Revised Request for Approval of Seismic Analysis  
Methodology

By letters dated March 16 and June 30, 1995, Duke Power Company requested approval for use of three alternative seismic methodologies. The three methodologies were CREST, Independent Support Motion (ISM), and coupled analysis of the reactor coolant loop (RCL) piping. By letter dated July 6, 1995, the NRC provided a Request for Additional Information (RIA) containing eight questions on the CREST program.

A meeting was held on July 27, 1995 on the North Carolina State University Campus. The purpose of this meeting was to address the eight questions and to identify any remaining areas of NRC Staff concern. Conference calls were subsequently held on August 3 and 30, 1995 for the purpose of further clarifying information needed by the Staff and Brookhaven National Lab (BNL) in completing the review of CREST.

In the July 27, 1995 meeting, the Staff and BNL requested that three benchmark problems be performed using CREST. Defining and running these benchmark problems has involved significant time and resources and is not yet complete. CREST still offers potential significant benefits for the McGuire steam generator replacements as well as future plant modifications. For these reasons, we will continue to

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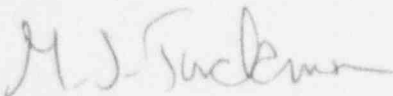
pursue approval of the CREST methodology. Responses to the Staff's July 6, 1995 RAI will be provided when available.

With the Catawba Unit 1 steam generator replacement outage scheduled to begin in May 1996, it is necessary to complete the modification packages related to steam generator replacement. With the completion of the CREST review not yet in sight, it has been necessary to use the ISM methodology for re-analysis of the main steam line piping at McGuire Units 1 and 2 and Catawba Unit 1. As described in our March 16, 1995 submittal, this methodology conforms to that described in NUREG-1061, Volume 4, Report of the U. S. Nuclear Regulatory Commission Piping Review Committee, Evaluation of Other Dynamic Loads and Load Combinations, Section 2.4.1. It is requested that use of the ISM methodology be provided by October 6, 1995.

The third methodology, coupled analysis of RCL piping, will not be used at this time. Therefore our request for approval of this methodology is hereby withdrawn.

Please contact R. O. Sharpe at (704) 382-0956 if you have any questions.

Very truly yours,



M. S. Tuckman

Attachments

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