



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

November 25, 1992

Docket
File

Docket No. 50-213

Mr. John F. Opeka
Executive Vice President, Nuclear
Connecticut Yankee Atomic Power Company
Northeast Nuclear Energy Company
Post Office Box 270
Hartford, Connecticut 06141-0270

Dear Mr. Opeka:

SUBJECT: SAFETY EVALUATION OF THE HADDAM NECK PLANT, 120-DAY RESPONSE TO
SUPPLEMENT NO. 1 TO GENERIC LETTER 87-02 (TAC M69450)

By a letter dated September 21, 1992, Connecticut Yankee Atomic Power Company (CYAPCO) submitted its response to Supplement No. 1 to Generic Letter (GL) 87-02 for the Haddam Neck Plant. Supplement No. 1 to GL 87-02 required that all addressees provide, within 120 days of the issue date of the supplement, either a commitment to use both the Seismic Qualification Utility Group (SQUG) commitments and the implementation guidance described in the Generic Implementation Procedure, Revision 2 (GIP-2), as corrected on February 14, 1992, and as supplemented by the staff's Supplemental Safety Evaluation Report No. 2 (SSER No. 2) on GIP-2, or else provide an alternative method for responding to GL 87-02. The supplement also required that those addressees committing to implement GIP-2 provide an implementation schedule, and provide the detailed information as to what procedures and criteria were used to generate the in-structure response spectra to be used for USI A-46. In addition, the staff requested in SSER No. 2 that the licensees inform the staff in the 120-day response if they intend to change their licensing basis to reflect a commitment to the USI A-46 (GIP-2) methodology for verifying the seismic adequacy of mechanical and electrical equipment, prior to receipt of the staff's plant-specific safety evaluation resolving USI A-46. Enclosure 1 provides the staff's evaluation of CYAPCO's response to Supplement No. 1 to GL 87-02, dated September 21, 1992.

The staff finds that CYAPCO's commitment to implement GIP-2, including the clarifications, interpretations and exceptions identified in SSER No. 2, as an acceptable method for resolving USI A-46 at the Haddam Neck Plant. The staff finds that it is acceptable for CYAPCO to use previously performed anchorage evaluations for USI A-46, provided that the evaluations meet the criteria and procedures approved in SSER No. 2 (Section II.4.4). The staff also finds that it is acceptable to use existing seismic qualification test reports to demonstrate operability for SSEL equipment which was qualified to IEEE 343-1975. The methods defined in EPRI Report NP-6041-SL are, in general, not acceptable to the staff for resolving equipment outliers. However, the staff will consider the application of some of the criteria provided in EPRI Report NP-6041-SL, for the resolution of equipment outliers, on a case-by-case basis. The proposed implementation schedule for the Haddam Neck Plant is within the 2-year response period requested by the staff and is acceptable.

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Mr. John F. Opeka

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The staff has reviewed CYAPCO's response concerning in-structure response spectra, and has concluded that it is acceptable, with one possible exception where CYAPCO refers to SSER No. 2, Section 11.4.2.4. If CYAPCO intends to use IPEEE spectra for USI A-46, it should submit for staff review as soon as possible, the information requested in SSER No. 2, Section 11.4.2.4.

CYAPCO indicated that, as part of the resolution of GL 87-02, it intends to change its licensing basis, via 10 CFR 50.59, to include the GIP methodologies as an option for demonstrating the seismic adequacy of new and replacement plant equipment. The staff recognizes that CYAPCO may revise its licensing basis in accordance with 10 CFR 50.59 to reflect the acceptability of the USI A-46 (GIP) methodology for verifying the seismic adequacy of electrical and mechanical equipment covered by the GIP. However, since CYAPCO intends to augment its licensing basis to include the GIP methodology as an option for verifying seismic adequacy, rather than revise its licensing basis such that the GIP-2 would be the sole methodology, the staff cautions that it is not acceptable to combine any part of GIP-2 with the current licensing basis methodologies such that it results in a less conservative approach than if GIP-2 or the current licensing basis methodologies were applied separately.

If you have any questions concerning this review, please contact me.

Sincerely,

Original signed
by

Alan Wang, Project Manager
Project Directorate I-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosure:
Safety Evaluation

cc w/enclosure:
See next page

*See previous concurrence

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