



**CONNECTICUT YANKEE ATOMIC POWER COMPANY**

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May 10, 1983

Docket No. 50-213

B10787

**Mr. Darrell G. Eisenhut, Director**  
Division of Licensing  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

- References: (1) W. G. Council letter to D. G. Eisenhut, dated January 31, 1983.
- (2) W. G. Council letter to D. G. Eisenhut, dated March 30, 1983.

Gentlemen:

Haddam Neck Plant  
Additional Information Supporting  
Control Room Fire Review

Reference (1) as supplemented by Reference (2), provided information to support an exemption from certain requirements set forth in Appendix R to 10CFR50 for the Haddam Neck Plant control room. A conference call between members of our respective staffs was held on May 5, 1983 to discuss the Reference (1) and (2) information.

The purpose of this letter is to document the agreements reached during the telephone conversation.

Connecticut Yankee Atomic Power Company (CYAPCO) proposed in Reference (1) to provide an instrumentation panel remote from the control room to facilitate safe shutdown in the event a fire in the main control board incapacitates the normal complement of instruments. CYAPCO intends to include steam generator pressure (one channel per steam generator) and reactor coolant system cold leg temperature indication as part of the safe shutdown instrumentation at the remote instrumentation panel. These instruments are in addition to those listed in Reference (2).

One channel of pressurizer level indication and one channel of steam generator level per steam generator will be installed at the remote panel. The design of the remote instrumentation panel will include features such as plug-in

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connectors for source range, incore thermocouples and reactor coolant temperature indications in order to minimize the operator actions required to place the instrumentation panel in service. The design of the remote instrumentation panel will ensure that a fire at the panel does not incapacitate the redundant instrumentation in the control room.

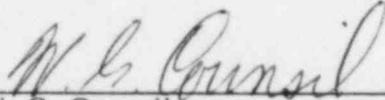
Concerning the procedures which are being developed for safe shutdown following a control room fire, provisions will be included which direct the plant operators to verify water levels in the tanks credited in the safe shutdown concept for the Haddam Neck Plant. Included will be the Demineralized Water Storage Tank (DWST), the Primary Water Storage Tank (PWST) and the Refueling Water Storage Tank (RWST).

CYAPCO also takes this opportunity to correct the valve numbers specified on page 4 of Table 1 of Reference (1). Regarding the charging/fill header flow control circuit located in main control board sections B and C, in the event this circuit fails fully open, operators would throttle charging flow using pump discharge valves 286A and 286B. These valves were incorrectly listed as 681A and 681B in Reference (1).

We trust you find this information responsive to your verbal requests.

Very truly yours,

CONNECTICUT YANKEE ATOMIC POWER COMPANY

  
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W. G. Council  
Senior Vice President