



CONNECTICUT YANKEE ATOMIC POWER COMPANY

BERLIN, CONNECTICUT

P. O. BOX 270 HARTFORD, CONNECTICUT 06101

TELEPHONE
203-666-6911

November 24, 1982
A01395

Mr. Ronald C. Haynes, Regional Administrator
Region I
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

- References:
- (1) B. H. Grier letter to W. G. Council dated November 21, 1980 transmitting I&E Bulletin No. 80-24 (Docket No. 50-213).
 - (2) W. G. Council letter to B. H. Grier dated January 5, 1981.
 - (3) W. G. Council letter to R. C. Haynes dated June 1, 1982.

Gentlemen:

Haddam Neck Plant
Response to I&E Bulletin No. 80-24

In Reference (1), the NRC requested that Connecticut Yankee Atomic Power Company (CYAPCo) take appropriate action to respond to the subject I&E Bulletin. CYAPCo forwarded its response in Reference (2). In Item 2.e. of Reference (2), CYAPCo stated that weekly containment entries were made to check for leakage in the service water as well as other systems. Since the time that Reference (2) was docketed CYAPCO has rescheduled its routine containment entries from weekly to monthly or as required by unusual conditions within containment. The reasons for extending the period between containment entries are as follows:

- o Fewer containment entries result in reduced personnel radiation exposure (especially neutron exposure) in accordance with ALARA.
- o Containment entries involve stressful personnel conditions due to the elevated temperature and poor working conditions associated with a containment entry during power operation.
- o Frequent non-essential use of the air lock could result in accelerated door seal degradation and the need for more frequent repairs.

8212060376 821124
PDR ADOCK 05000213
Q PDR

TEL

- o Each containment entry requires an air lock leak rate test which is time consuming and diverts personnel from other plant duties.

As stated in Reference (3), CYAPCo has installed redundant water level detection and indication in the lower level of containment as part of the TMI action plan item II.F.1.5 of NUREG-0737. Although all required environmental qualification documentation for this instrumentation is not presently available, CYAPCo concludes that this instrumentation is completely acceptable for service in a harsh environment and that the deficiency exclusively involves documentation. All required documentation to fully qualify this level instrumentation is expected by January 1, 1983. Additionally, full harsh environmental qualification is not as essential for this level instrumentation when used as a method to detect service water leakage since it would be exposed to normal containment temperatures and cool water rather than the high temperatures, pressures and radiation associated with post accident conditions.

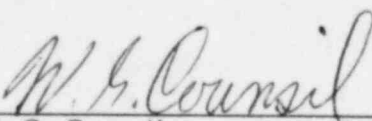
CYAPCo has determined that the installation of this instrumentation coupled with the instrumentation and procedures described in Reference (2) and monthly inspection provide reasonable assurance of freedom from excessive service water leakage. Therefore, weekly containment entries are no longer appropriate.

CYAPCo will of course perform unscheduled containment entries if excessive leakage is suspected or other circumstances dictate such action.

We trust you find this information responsive to the Reference (1) request and we will continue to inform you of future changes to our plans and schedules, should they occur.

Very truly yours,

CONNECTICUT YANKEE ATOMIC POWER COMPANY


W. G. Council
Senior Vice President

cc: D. M. Crutchfield