



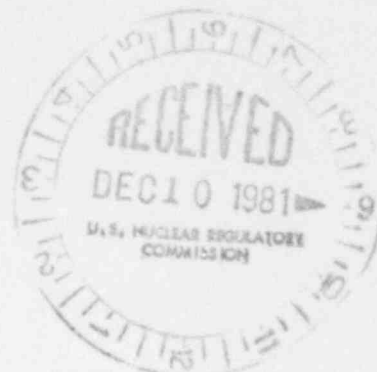
CONNECTICUT YANKEE ATOMIC POWER COMPANY

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December 4, 1981

Docket No. 50-213
B10343



Director of Nuclear Reactor Regulation
Attn: Mr. Dennis M. Crutchfield, Chief
Operating Reactors Branch #5
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Reference: (1) W. G. Counsil letter to B. H. Grier, dated March 2,
1981.

Gentlemen:

Haddam Neck Plant
Containment Purge Valves

Per your verbal request, Connecticut Yankee Atomic Power Company (CYAPCO) has reviewed the operational history of the two 42" butterfly manually operated Containment Purge Valves. The review consisted of checking the historic leak test data and the maintenance history.

CYAPCO Technical Specifications require yearly leak testing of the Containment Purge Valves which are also required to be maintained in a closed position in Modes 1-4. Plant procedures require the valves to be pressurized to 45 psig and to measure the pressure decay for 30 minutes. Using these data, a daily leak rate is calculated. A leak rate acceptance criterion is defined in terms of the total containment leak rate of which these valves are one source. The Acceptance Criterion is a pressure decay less than 2.0 psi in 30 minutes.

The available leak test records for both valves from 1969 to 1980 were reviewed. Only two abnormal test results were identified. In 1969 the seals on the blank flange used for testing the air supply purge valve were leaking and prevented completion of a meaningful test. A subsequent leak test was performed and the valve leakage was below the 2.0 psi decay criterion. In 1972 the pressure increased during the testing period for the air exhaust purge valve. In light of this anomaly, the test was redone within a few days and zero pressure decay was measured. Neither of these two anomalies effected valve performance.

Reference (1) is previously submitted data on Containment Building Leak Rate Testing. Table III-1 gives actual data for the Containment Purge Valves from 1977 to 1980.

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CYAPCO's operating experience with the Containment Purge Valves has been excellent. In 12 years of leak testing, the valves have always passed the criterion of less than 2.0 psi decay in 30 minutes and no identifiable repair has been performed on the valves. Therefore, we conclude that the present yearly testing frequency is adequate.

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

Very truly yours,

CONNECTICUT YANKEE ATOMIC POWER COMPANY

W. G. Council

W. G. Council
Senior Vice President

J. F. Opeka

By: J. F. Opeka
Vice President Nuclear
Operations