



CONNECTICUT YANKEE ATOMIC POWER COMPANY

BERLIN, CONNECTICUT

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July 9, 1980

Docket No. 50-213
B10031

Director of Nuclear Reactor Regulation
Attn: Mr. Dennis M. Crutchfield, Chief
Operating Reactors Branch #3
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Gentlemen:

Haddam Neck Plant
Turbine Inspections

In response to recent telephone communications with the Staff, Connecticut Yankee Atomic Power Company (CYAPCO) is hereby providing the following information regarding the results of turbine inspections performed during the 1980 refueling outage.

Inspection of the turbine discs at the Haddam Neck Plant revealed the existence of an 0.126 inch indication in the number 2 disc, generator end of low pressure turbine number 1, and an 0.378 inch indication in the number 2 disc, generator end of low pressure turbine number 2. Both of the above indications initiated from the keyway region rather than the bore region.

Calculations performed by the Westinghouse Electric Corporation indicate that the service lives of the discs associated with the above indications are 2.3 years and 1.75 years, respectively.

Based on the above information, CYAPCO currently intends to conduct the next turbine inspection during the 1981 refueling outage. The duration of this cycle is approximately 390 EFPD which is expected to result in plant operation for approximately 15 calendar months. CYAPCO anticipates that additional data will become available when inspections of other turbines with known crack indications are conducted. As industry knowledge of this phenomenon is enhanced, CYAPCO intends to confirm the correctness of its current

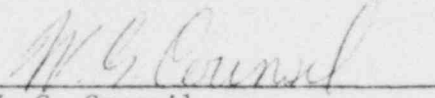
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conclusion that plant operation at rated power for the duration of the upcoming cycle is appropriate. No further correspondence on this matter is anticipated prior to plant startup.

Very truly yours,

CONNECTICUT YANKEE ATOMIC POWER COMPANY

A handwritten signature in cursive script, appearing to read "W. G. Council", is written over a horizontal line.

W. G. Council
Senior Vice President