

NORTHEAST UTILITIES

THE CONNECTICUT LIGHT AND POWER COMPANY
 THE HARTFORD ELECTRIC LIGHT COMPANY
 WESTERN MASSACHUSETTS ELECTRIC COMPANY
 HOLYoke WATER POWER COMPANY
 NORTHEAST UTILITIES SERVICE COMPANY
 NORTHEAST NUCLEAR ENERGY COMPANY

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May 2, 1980

Docket No. 50-245

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

- References: (1) Letter, W. G. Council to D. M. Crutchfield, dated April 29, 1980.
 (2) Letter, W. G. Council to D. L. Ziemann, dated April 16, 1980.
 (3) Letter, W. G. Council to D. L. Ziemann, dated March 19, 1980.

Gentlemen:

Millstone Nuclear Power Station, Unit No. 1
Isolation Condenser

As requested by members of your Staff, and reported in Reference (1), confirmatory studies were conducted for Northeast Nuclear Energy Company (NNECO) by General Electric Company in support of our application for Technical Specification change (References 2 and 3). The purpose of this analysis was to demonstrate that the small break analysis submittal contained in Reference (3) conservatively bounded the case where no LPCI flow is assumed to enter the reactor vessel for reflooding.

The attached Table 1 shows the results of this ECCS scenario and compares them to the limiting case which forms the basis for our requested Technical Specifications. As Table 1 indicates, the reference case with partial LPCI flow is more limiting than the case with no LPCI flow.

Based on the above and the detailed responses provided in Reference (2), it is our understanding that all considerations have been fully addressed. Therefore, your approval is requested at the earliest possible date.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

W. G. Council
 W. G. Council
 Vice President

By: D. C. Switzer
 D. C. Switzer
 President

TABLE 1

MILESTONE

SMALL DISCHARGE BREAK WITH GAS TURBINE FAILURE

<u>LIMITING BREAK SIZE (FT²)</u>	<u>FAILURE</u>	<u>SYSTEMS REMAINING</u>	<u>LPCI FLOW</u>	<u>*PCT</u>
0.10	Gas Turbine	1LPCS+3ADS+IC	No	2145
0.10	Gas Turbine	1LPCS+fx2LPCI ^{**} +3ADS+IC	Yes	2200

* CHASTE PCT based on 8DRB265-6G2.0-80M Fuel at 10GWD/T with
MAPLEGR=9.76 KM/PT

** fx2LPCI represents partial LPCI flow into the vessel