



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

April 23, 1980

TEIRA
P 8005160 336

Docket No. 50-213

Mr. W. G. Council, Vice President
Nuclear Engineering and Operations
Connecticut Yankee Atomic Power Company
Post Office Box 270
Hartford, Connecticut 06101

Dear Mr. Council:

By letter dated September 26, 1977, we described a limited boron dilution accident which had occurred at another operating PWR facility and we requested that Connecticut Yankee Atomic Power Company (CYAPCO) perform and submit an analysis of the potential for and consequences of this and other boron dilution incidents at the Haddam Neck Plant. You responded to this concern in a letter dated January 13, 1978, which stated you had re-evaluated all Boron Dilution Incidents which had been analyzed in the Facility Description and Safety Analysis for the Haddam Neck Plant. Your evaluation also concluded that there "is sufficient time available (10 to 15 minutes) for operators to recognize and to terminate the dilution flow before the reactor would go critical."

You are requested to confirm that all possible dilution paths were considered in your evaluation and that your operators have at least 15 minutes to recognize and to terminate the dilution flow before the reactor would go critical. If 15 minutes is not available for the necessary operator action, you should explain how alarms or other distinctive instrumentation would call the operator's attention to the dilution event in such a manner as to prevent an inadvertent criticality. Your response is requested by May 19, 1980.

Sincerely,

A handwritten signature in cursive script that reads "Dennis L. Ziemann".

Dennis L. Ziemann, Chief
Operating Reactors Branch #2
Division of Operating Reactors

cc: See next page

Mr. W. G. Council

- 2 -

April 23, 1980

cc
Day, Berry & Howard
Counselors at Law
One Constitution Plaza
Hartford, Connecticut 06103

Superintendent
Haddam Neck Plant
RFD #1
Post Office Box 127E
East Hampton, Connecticut 06424

Mr. James R. Himmelwright
Northeast Utilities Service Company
P. O. Box 270
Hartford, Connecticut 06101

Russell Library
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Middletown, Connecticut 06457

Board of Selectmen
Town Hall
Haddam, Connecticut 06103

Connecticut Energy Agency
ATTN: Assistant Director
Research and Policy
Development
Department of Planning and
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20 Grand Street
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Director, Technical Assessment
Division
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U. S. Environmental Protection
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