

# NORTHEAST UTILITIES



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

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April 15, 1985

Docket No. 50-423  
F0700A

Dr. Thomas E. Murley  
Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region I  
631 Park Avenue  
King of Prussia, PA 19406

Reference: (1) W. G. Counsil to T. E. Murley, F0675A, dated  
February 15, 1985.

Dear Dr. Murley:

Millstone Nuclear Power Station, Unit No. 3  
Reporting of Potential Significant Deficiencies  
in Accordance with 10CFR 50.55(e):  
Emergency Generator Load Sequencers (SD-71)

In a January 17, 1985 telephone conversation between your Mr. T. Rebelowski and our Mr. R. K. McCarthy, Northeast Nuclear Energy Company (NNECO) reported a potential significant deficiency in the construction of Millstone Unit No. 3 in accordance with 10CFR 50.55(e). The deficiency involved the improper operation of the emergency generator load sequencers supplied by Vitro Laboratories.

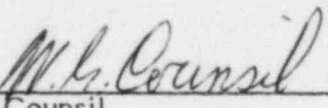
While performing an automatic test verification utilizing the external auto-test box, it was discovered that the loss-of-power relays on the output of the load sequencers would actuate. The purpose of the test is to verify the critical electrical path within the sequencer logic. This test verification should not activate the output relays of the sequencer. This actuation would result in the de-energization of all affected loads on the subject bus. We have determined that this condition represents a significant deficiency in the final design of Millstone Unit No. 3.

Vitro Laboratories has developed a corrective design package which was reviewed and approved by our engineering staff. With the assistance of Vitro Laboratories, we have implemented the actions necessary to correct this significant deficiency. The sequencers have been successfully retested and the critical electrical path within the logic verified.

We consider this to be our final report for SD-71. We trust that the above information satisfactorily responds to your concerns.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

  
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W. G. Council  
Senior Vice President

cc: Mr. J. M. Taylor, Director  
Division of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Phillips Building  
7920 Norfolk Avenue  
Bethesda, MD 20814