

# 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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March 14, 1984

Docket No. 50-423  
F0430A  
F0431A

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

Reference: (1) W. G. Counsil letter to T. E. Murley, B10939, dated November 8, 1983.

Dear Dr. Murley:

Millstone Nuclear Power Station, Unit No. 3  
Reporting of Potential Significant Deficiencies  
in Design and Construction:  
Brown Boveri 480V Load Center Anchors (SD-43); and  
Flakt-Bahnsen Air Handling Units (SD-44)

In an October 7, 1983 telephone conversation between your Mr. J. Robertson and our Mr. R. E. Lefebvre, Northeast Nuclear Energy Company (NNECO) reported two potential significant deficiencies in the construction of Millstone Unit No. 3 as required by 10CFR50.55(e). SD-43 involves inadequate welds on seismic anchors used for Brown Boveri 480V load centers. SD-44 involves improper mounting hardware used to install cooling coils in Flakt-Bahnsen air handling units.

With regard to SD-44, Flakt-Bahnsen supplied self tapping sheet metal screws with their units instead of bolts as described in the seismic analysis. Corrective action has been initiated to replace the sheet metal screws with bolts. However, a review by Flakt-Bahnsen indicates that the screws would have been adequate had they remained in the units. It is therefore concluded that SD-44 does not constitute a significant deficiency for Millstone Unit No. 3.

SD-43 involves the use of plug welds instead of fillet welds to mount Brown Boveri 480V load centers to their sill plates. These load centers provide power to essential safety-related and accident mitigation systems. The anchorage details indicated on the Brown Boveri Electric Drawings and Instruction Manual are plug welds, however, the Seismic Qualification Report (BBEL report no. 33-49986-SS) references fillet welds.

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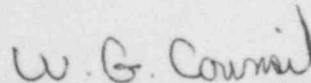
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A review of these welds by our architect-engineer, Stone and Webster Engineering Corporation, indicates that the plug welds are not adequate. Corrective actions have been initiated and fillet welds will be used to attach the load centers to their sill plates in accordance with the seismic qualification report. In addition, the vendor will supply appropriately revised drawings.

This constitutes our final report closing out all items related to SD-43 and SD-44. Internal reviews will continue to investigate any generic implications concerning equipment mounting. Shortcomings will be identified and resolved prior to plant start up.

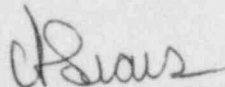
Based on a February 3, 1984 telephone conversation between your Mr. T. Elsasser and our Ms. P. Capello-Bandzes, this report is being provided on March 14, 1984 instead of February 1, 1984. We trust that the above information satisfactorily responds to your concerns.

Very truly yours,



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W. G. Council  
Senior Vice President



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By: C. F. Sears  
Vice President Nuclear and  
Environmental Engineering

cc: Mr. R. C. DeYoung, Director  
Division of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
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Bethesda, MD 20014