

**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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June 18, 1984

Docket No. 50-423  
F0557A

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

- References: (1) T. T. Martin to W. G. Counsil, IE Inspection Report No. 50-423/83-14, dated November 22, 1983.
- (2) W. G. Counsil to T. T. Martin, A03651, dated December 22, 1983.
- (3) W. G. Counsil to T. T. Martin, F0454A, dated March 16, 1984.

Dear Dr. Murley:

Millstone Nuclear Power Station, Unit No. 3  
Reporting of Potential Significant Deficiencies  
in Design and Construction  
Tubeco Weld Radiographs (SD-56)

In a May 19, 1984 telephone conversation between your Mr. T. Rebelowski and our Mr. R. R. Viviano, Northeast Nuclear Energy Company (NNECO) reported a potential significant deficiency in the construction of Millstone Unit No. 3 as required by 10 CFR 50.55(e). The potential significant deficiency involves vendor (Tubeco) supplied radiographs. A random sample of 125 out of a population size of 2,740 welds were reviewed. A total of 54 welds were found to be out of vendor procedure and ASME III requirements due to film density violations, the placing of penetrameters and penetrometer identification numbers in the weld, undocumented linear indications, and excessive geometric unsharpness.

The subject reported deficiency resulted from a different review of Tubeco radiographs than that which was previously performed to address NRC violations identified in IE Inspection Report No. 50-423/83-14 (Reference 1). The first two of these concerns (film density violations and the placing of penetrameters in the weld), were the subject of IE Inspection Report No. 50-423/83-14. In both cases, these occurrences were not determined to be technical problems or safety concerns (Reference 3). However, it is the three remaining concerns identified in this review of Tubeco radiographs (undocumented linear indications, excessive geometric unsharpness, and penetrometer identification numbers in the weld) which lead us to report this potential significant deficiency.

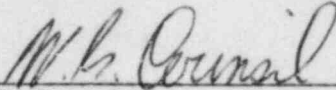
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Our architect-engineer, Stone & Webster Engineering Corporation, is in the process of further reviewing the Tubeco supplied radiographs. We are not able to provide you with a final report at this time. We will provide you with an update on this matter by September 20, 1984.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

  
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W. G. Council  
Senior Vice President

cc: Mr. R. C. DeYoung, Director  
Division of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Phillips Building  
7920 Norfolk Avenue  
Bethesda, MD 20014