



**North
Atlantic**

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The Northeast Utilities System

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NYN- 94030

March 25, 1994

United States Nuclear Regulatory Commission
Washington, D.C. 20555

Attention: Document Control Desk
Reference: Facility Operating License No. NPF-86, Docket No. 50-443
Subject: Inoperable Seismic Monitoring Instrumentation

Gentlemen:

North Atlantic Energy Service Corporation (North Atlantic) provides in the Enclosure a report of seismic monitoring instrumentation that was inoperable for more than 30 days. This report is submitted pursuant to Technical Specifications 3.3.3.3, Seismic Instrumentation and 6.8.2, Special Reports.

Should you require further information regarding this matter please contact Mr. James M. Peschel, Regulatory Compliance Manager, at (603) 474-9521 extension 3772.

Very truly yours,



Ted C. Feigenbaum

TCF:MDO/act

Enclosure

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ENCLOSURE TO NYN-94030

INOPERABLE SEISMIC MONITORING INSTRUMENTATION

On March 4, 1994 seismic response spectrum recorder 1-SM-X-6706 was removed from service to perform the 18 month Channel Calibration pursuant to Surveillance Requirement 4.3.3.3.1. Recorder 1-SM-X-6706 is located in the Containment at the -26 foot elevation. Upon opening the recorder to commence the calibration corrosion and moisture damage was noted. Specifically, numerous sensors were corroded and their ability to accurately record seismic activity was called into question. The damaged sensors were replaced and recorder 1-SM-X-6706 was restored to operable status on March 17, 1994.

On March 16, 1994 it was determined that recorder 1-SM-X-6706 had been inoperable for an indeterminate period of time. Therefore, this occurrence is being reported pursuant to Technical Specifications 3.3.3.3, Seismic Instrumentation, and 6.8.2, Special Reports.

The seismic response spectrum recorders are sealed with rubber gaskets on the cover plates and all bolts penetrating the recorder case are sealed with silicon. The apparent cause of the corrosion is exposure to water or moisture from an indeterminate source. Two other seismic response spectrum recorders located in the same area in the containment did not exhibit similar corrosion. The cause of the excessive corrosion in recorder 1-SM-X-6706 will be evaluated in accordance with the North Atlantic corrective action program.