

NORTHEAST UTILITIES



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

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October 13, 1982

MP-4222

Mr. Ronald C. Haynes
Regional Administrator, Region I
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pennsylvania 19406

Reference: Provisional License DPR-21
Docket No. 50-245
Reportable Occurrence RO-82-21/3L

Dear Mr. Haynes:

This letter forwards the Licensee Event Report for Reportable Occurrence RO-82-21/3L, required to be submitted within thirty days pursuant to the requirements of the Millstone Unit 1 Technical Specifications, Section 6.9.1.9.b. An additional three copies of the report are enclosed.

Yours truly,

NORTHEAST NUCLEAR ENERGY COMPANY

E. J. Mroczka
Station Superintendent
Millstone Nuclear Power Station

EJM/TST:mo

Attachment: LER RO-82-21/3L

cc: Director, Office of Inspection and Enforcement, Washington, D.C. (30)
Director, Office of Management Information and Program Control,
Washington, D. C. (3)
U.S. Nuclear Regulatory Commission, c/o Document Management Branch,
Washington, D.C. 20555

ATTACHMENT TO LER 82-21/3L
NORTHEAST NUCLEAR ENERGY COMPANY
MILLSTONE NUCLEAR POWER STATION - UNIT 1
PROVISIONAL LICENSE NUMBER DPR-21
DOCKET NUMBER 50-245

Identification of Occurrence

Operation in a degraded mode permitted by a limiting condition of operation occurred when the Diesel Generator tripped.

Conditions Prior to Occurrence

Prior to occurrence the unit was shutdown for a refueling outage.

Description of Occurrence

On September 13, 1982, at 1241 hours, while performing Diesel Generator Operational Readiness Demonstration test, the Diesel Generator tripped. The Diesel Generator was declared inoperable and an investigation initiated. Although the Diesel Generator was not required to be operable at the time of failure, the same failure could have occurred prior to shutdown. Technical Specifications 3.9.a requires the Diesel Generator and Gas Turbine Generator (both emergency power sources) to be operable when the reactor is critical.

Apparent Cause of Occurrence

A broken ring type wire lug at the current transformer secondary connection caused the trip. The broken lug was effectively an open circuit which created a differential relay current unbalance. This tripped the Diesel Generator when the current reached the relay minimum pick up point. It is conjectured that the lug broke because of flexing during installation and vibration during diesel operation.

Analysis of Occurrence

The Diesel Generator is one of two emergency power sources utilized for engineered safeguard systems. In an actual emergency condition where emergency core cooling systems are required and a loss of offsite power accompany it, the Diesel Generator and Gas Turbine Generator supply power to redundant systems.

Inoperability of the Diesel Generator resulted in no safety implication. With the reactor in cold shutdown and no refuel activities in progress, the Diesel was not required to be operable.

If the failure had occurred prior to shutdown, the Gas Turbine Generator was available and would have provided the emergency power supply.

Corrective Action

The connection was relugged with a stronger and more reliable terminal lug.