



BOSTON
Edison COMPANY

PILGRIM NUCLEAR POWER STATION
RFD #1 ROCKY HILL ROAD
PLYMOUTH, MASSACHUSETTS 02360

December 22, 1973

Director, Directorate of Licensing
Office of Regulation
USAEC
Washington, D.C. 20545

Unusual Occurrence UO-73-21
Docket Number 50-293
License DPR-35, Amendment No. 1

HPCI System Inverter Trip

In accordance with Pilgrim Nuclear Power Station Technical Specification 6.6.C.1, we hereby report that the High Pressure Coolant Injection System was inoperable on December 3, 1973 for approximately six minutes.

Summary of Occurrence

At 1400 hours on December 3, 1973, an HPCI inverter failure annunciation was received in the main control room. The HPCI inverter converts DC power to AC power for the HPCI controls. The reactor was at 50% power at the time of the occurrence.

Investigation and Corrective Action

Immediate investigation revealed that the HPCI inverter trip resulted when station personnel increased the voltage on 125 DC battery system 'A' to approximately 140 volts while equalizing the charge on the batteries. The 'A' battery system voltage was promptly reduced and the HPCI system was returned to standby service at 1406 hours.

Station personnel have been advised that increasing the 125 volt DC battery system voltage above 135 volts can result in failure of the HPCI or RCIC inverters. Caution tags to indicate this have been placed on the battery chargers and permanent tags have been ordered.

The station Operations Review Committee has reviewed the occurrence and concurs that the action taken is adequate and appropriate.

Respectfully submitted,

G. D. Baston
Pilgrim Division Head
Steam Operations Department

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