

ATTACHMENT TO LER 79-008/03X-1

On February 14, 1979, while performing Surveillance Test 8.5.4.1 (HPCI Pump Operability Flow Rate and Valve Test @ 1000 psig), the HPCI turbine tripped. Immediate investigation revealed that the lower head gasket on the gland seal condenser had ruptured. The HPCI was declared inoperable, and operability of the backup system was immediately demonstrated.

The most probable cause of the turbine trip is attributed to the inadvertent trip of the auxiliary oil pump prior to the turbine reaching speed. It was determined at the time, that the gland seal condenser head gasket had ruptured due to excessive pressure, resulting from the out-of-calibration condition of Pressure Control Valve PCV 2301-46. Excessive moisture, caused by the ruptured gasket, entered an electrical control circuit box causing the inadvertent trip of the auxiliary oil pump.

Immediate corrective action involved installation of new gland seal condenser head gaskets, and recalibration of the pressure control valve. Surveillance Procedure 8.5.4.1 was satisfactorily performed, and the HPCI was declared operable on February 14, 1979.

To reduce the potential for future gasket failures due to pressure transients, Restricting Orifice RO-2301-60 was relocated to the inlet side of the gland seal condenser from the outlet side (refer to GE SIL No. 129). Also, to reduce the frequency of gasket failures, the upper and lower neoprene gaskets were removed and replaced with gaskets made of Chesterton 290 material.

A similar occurrence was identified in LER 82-24.

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FEBRUARY 10 1979

BOSTON EDISON COMPANY
800 BOYLSTON STREET
BOSTON, MASSACHUSETTS 02199

WILLIAM D. HARRINGTON
SENIOR VICE PRESIDENT
NUCLEAR

June 13, 1984
BECo Ltr. #84-081

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

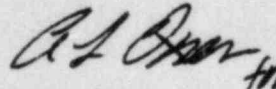
Docket Number 50-293
License DPR-35

Dear Sir:

The attached update Licensee Event Report 79-008/03X-1, HPCI Trip During Testing, is hereby submitted in accordance with the requirements of Pilgrim Nuclear Power Station Technical Specification 6.9.B.2.b.

If there are any questions on this subject, please do not hesitate to contact me.

Respectfully submitted,



W. D. Harrington

PH:ko

Enclosure: LER 79-008/03X-1

cc: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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