BOSTON EDISON
Pilgrim Nuclear Power Station
Rocky Hill Road
Plymouth, Massachusetts 02360

November 6, 1989
BECo Ltr. 89-162

Ralph G. Bird
Senior Vice President — Nuclear

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

Docket No. 50-293
License No. DPR-35

Subject: Special Report - Fire Water Supply System Tank "A" Inoperable

Dear Sir:

This special report is being submitted in accordance with Pilgrim Nuclear Power Station Technical Specification 3.12.B.a. The report is required because the 'A' Fire Water Supply System Water Storage Tank was declared inoperable on September 29, 1989 at 2345 hours and could not be returned to operable status within seven days. The Fire Water Storage Tank (FWST) was declared inoperable when it was drained for maintenance work and could not be refilled within the allotted time. Refer to Attachment I for further details.

During the period that the FWST (T-107A) was inoperable, FWST (T-107B) was operable and was capable of supplying fire water as required.

Please do not hesitate to contact me if you have any questions regarding this subject.

R.G. Bird

GJB/bal

Mr. William T. Russell
Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Rd.
King of Prussia, PA 19406

Sr. Resident Inspector - Pilgrim Station

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ATTACHMENT I

Boston Edison Company
Pilgrim Nuclear Power Station

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The water supply to the Fire Suppression System is taken from two 250,000 gallon, lined carbon steel, above ground Fire Water Storage Tanks (FWSTs). Either tank contains enough water (240,000 gallons minimum) to supply the largest water suppression system at Pilgrim Nuclear Power Station (PNPS) with its highest water flow demand for two (2) continuous hours. The fire water system may also use water from a city water main line.

The FWST (T-107A) was declared inoperable on September 29, 1989 at 2345 hours when the tank was drained for work on its heating coil and was not refilled until slightly after the seven day Limiting Condition for Operation (LCO) ended.

During the period that the 'A' Water Supply System was inoperable due to the drained storage tank, the 'B' Water Supply System was operable. FWST (T-107B) was operable with the minimum storage quantity of 240,000 gallons of water. Measures taken in response to the problem were consistent with Procedure No. 2.4.54, "Loss of All Fire Suppression Pumps or Loss of Redundancy in the Fire Water Supply System". The procedure outlines immediate and subsequent operator actions that include measures to be taken when a loss in redundancy of the Fire Suppression System Water Supply occurs. The measures are commensurate with the degree of loss of redundancy and are determined by the Watch Engineer in consultation with the Fire Protection and Prevention Officer (FPPO) or designee.

The FWST (T-107A) was refilled and declared operable on October 7, 1989 at 2221 hours.