



**BOSTON EDISON**

Pilgrim Nuclear Power Station  
Rocky Hill Road  
Plymouth, Massachusetts 02360

March 19, 1993  
BECO Ltr. 93-037

**E. T. Boulette, PhD**  
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

This report is submitted in accordance with the Pilgrim Nuclear Power Station Final Safety Analysis Report, section 10.8.4.2.1. The Fire Water Supply System Diesel Fire Pump (DFP) was removed from service for maintenance on February 16, 1993, at 0500 hours and could not be returned to an operable status within seven days. Please refer to Attachment I for further details.

The DFP was repaired and declared operable on March 4, 1993, at 0811 hours.

Please do not hesitate to contact me if there are any questions regarding this subject.

*E. T. Boulette*  
E. T. Boulette

RAG/bal

cc: Mr. Thomas T. Martin  
Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
475 Allendale Rd.  
King of Prussia, PA 19406

Mr. R. B. Eaton  
Div. of Reactor Projects I/II  
Office of NRR - USNRC  
One White Flint North - Mail Stop 14D1  
11555 Rockville Pike  
Rockville, MD 20852

Sr. NRC Resident Inspector - Pilgrim Station

9303260009 930319  
PDR ADDCK 05000293  
S PDR

*JE 2/1/1*

ATTACHMENT 1

Boston Edison Company  
Pilgrim Nuclear Power Station

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

The water supply to the Fire Suppression System is delivered by either the Diesel Fire Pump (DFP) or the Electric Fire Pump (EFP). The DFP is redundant to the EFP and is available for standby and emergency service (loss of AC power to the EFP). The EFP and DFP are each rated at 2000 gallons per minute and discharge to the common 12" Fire Suppression System header at 125 psi.

On February 16, 1993, at 0500 hours, the Diesel Fire Pump was removed from service for planned maintenance. PNPS Procedure 1.2.2, "Administrative Ops Requirements", allows entry into a Limiting Condition for Operation during plant operations for planned maintenance that improves equipment reliability. The planned maintenance for the Diesel Fire Pump included a complete engine overhaul expected to last for approximately two weeks. As a result, the Diesel Fire Pump was not returned to operable status within seven days as required by the Final Safety Analysis Report, section 10.8.4.2.1. Limiting Condition for Operation A93-23 was written to track the DFP overhaul.

During the period the Diesel Fire Pump was inoperable, weekly surveillance testing of the Electric Fire Pump was conducted with satisfactory results, except for the surveillance test performed on February 26, 1993, at 2140 hours. The Electric Fire Pump failed to meet the 2000 gallons per minute surveillance requirement in accordance with Procedure 8.B.1, (Rev. 35), "Fire Pump Test". Instrumentation and controls personnel calibrated flow indicator FI-4680 and the surveillance test was re-performed with satisfactory results on February 27, 1993, at 0457 hours. We believe the flow requirements for the Electric Fire Pump were met during the initial surveillance performed on 2/27/93 and flow indicator FI-4680 was in need of minor adjustment. During the time the Electric Fire Pump was out-of-service, the Pilgrim Station fire truck was connected to the town water supply hydrant for backup service. These measures were consistent with Procedure 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 including measures to be taken when a loss in redundancy of the Fire Suppression System pumps 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 (FPPPO) or designee.

The Diesel Fire Pump overhaul was completed on March 3, 1993. The Diesel Fire Pump subsequently passed surveillance testing with satisfactory results and was declared operable on March 4, 1993, at 0811 hours.