



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20545

April 14, 1986

Docket No. 50-293

MEMORANDUM FOR: H. Denton G. Laines F. Schroeder
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THRU: John A. Zwolinski, Director
BWR Project Directorate No. 1
Division of BWR Licensing

FROM: [REDACTED]
BWR Project Directorate No. 1
Division of BWR Licensing

SUBJECT: DAILY HIGHLIGHT

Pilgrim Nuclear Power Station

At 3:00 p.m. on Friday, April 11, 1986, Pilgrim Station entered an LCO when both injection valves in one LPCI loop were closed to control primary leakage into the low pressure piping. However, enough leakage still occurred to cause an alarm on high pressure. At 6:30 p.m. BECo declared an unusual event and began shutting down the plant at 4%/hour. Subsequently, BECo increased the shutdown rate to 10%/hour and to 20%/hour. At 1:56 a.m. on April 12, the reactor scrammed due to an MSIV isolation signal which occurred while the operator was changing the mode switch from "run" to "startup". The signal is believed to have happened because not all mode switch contacts were properly made during the switchover. (This switchover problem had also occurred during a shutdown approximately one week earlier). The HPCI system was used to complete the shutdown. BECo was unable to reopen the MSIVs until 3:52 a.m. after equalizing the pressure on both sides of the MSIVs. The plant achieved cold shutdown at 9:15 a.m., Saturday, April 12, 1986.

The Regional Administrator has dispatched an augmented inspection team (AIT) to Pilgrim upon determining that three major problems were involved in the above event: (1) excessive LPCI injection valve leakage; (2) MSIVs not reopening properly; and (3) mode switch faulty. A confirmatory action letter was issued instructing BECo not to alter the plant configuration or perform tests until the AIT is present, to report on this event and the corrective actions taken prior to startup, and not to start up without prior approval by the Regional Administrator.

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