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U.S. Nuclear Regulatory Commission  
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Washington, DC 20555

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Pilgrim Station 1999 On-line and 1999 Refueling Outage 12  
Inservice Inspection (ISI) Plan

This letter provides the Pilgrim Nuclear Power Station (PNPS) ISI Plan for 1999 on-line and 1999 Refueling Outage (RFO) 12 examinations. The on-line examinations are scheduled to be conducted during 1999. RFO 12 is scheduled to begin on May 8, 1999. The scope of the inspection includes the following:

1. Enclosure A provides the post-modification inspection plan for Pilgrim core shroud repair assemblies in response to Section 2.5.2 of NRC Safety Evaluation Report, dated May 12, 1995 (TAC NO. M91305). Boston Edison Company (BEC Co) is a participant in the BWR Vessel Internals Project (BWRVIP). The Pilgrim-specific core shroud inspection plan was developed in accordance with the "Guidelines for Reinspection of BWR Core Shrouds" (BWRVIP-07), EPRI TR-105747, dated February 1996, which addresses NRC SER requirements and recommendations. 11
2. Enclosure B provides the ultrasonic and visual examination plan for core spray internals (piping and spargers) in accordance with BWRVIP-18 guidelines. On October 15, 1998, BEC Co presented to the NRC staff Pilgrim-specific techniques for the examination of core spray piping weld P-9 and subsequently demonstrated the examination technique at the GE/EPRI facility on February 8, 1999, in line with the Pilgrim commitment to provide plan for reinspection and repair of core spray piping internals (TAC NO. M93398 and BEC Co letter No. 97-033, dated March 18, 1997). As the examination progresses during RFO 12, the examination findings will be reported in accordance with Bulletin 80-13. A047
3. Enclosure C provides the ASME Code required examinations that have been scheduled during the Pilgrim Third Ten-Year ISI Program in accordance with the 1989 Edition of ASME Section XI for piping and the 1992 edition with 1992 addenda for IWE containment examinations. The Code required examinations include nondestructive examinations of

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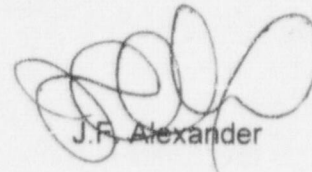
- safety-related piping systems, welds, attachments, bolting, supports, and containment components.

The examination scope of GL88-01 IGSCC welds is modified for RFO 12 based on NRC telephone call to BECo on January 11, 1999. NRC indicated that a pending request for reduction in the examination frequency for Category D IGSCC welds for RFO 12 will be granted in response to BECo Letter No. 98-126, "Request for Reduction in GL 88-01 IGSCC Inspection Frequencies for Category D Welds Due to the Use of Hydrogen Water Chemistry", dated September 4, 1998.

In addition to the ASME code required examinations included in Enclosure C, the following augmented examinations are planned for RFO 12.

- UT examination of 44 stainless steel piping welds for detection of IGSCC in accordance with GL 88-01.
- UT examinations of 66 piping locations to detect flow-assisted corrosion in accordance with GL 89-08.
- UT examinations of 18 Salt Service Water piping spool pieces (1999 on-line) and visual examinations of the interior of 6 spools per GL 89-13.
- Visual examination of buried 'A' loop Salt Service Water discharge piping.

If you have any questions regarding the information contained in this letter, please contact Walter Lobo at (508) 830-7940.



J.F. Alexander

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Enclosure: A. Pilgrim Core Shroud Inspection Plan

Enclosure: B. Core Spray Internal Piping and Sparger Examinations

Enclosure: C. ASME Section XI ISI Plan for 1999 On-line and Refuel Outage #12

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