Boston Edison

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BECo Ltr. #96-091

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

Docket No. 50-293
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Pilgrim Station 1996 On-line and 1997 Refueling Outage 11
Inservice Inspection (ISI) Plan (TAC NO. M91305)
(Ref: BECo Letter #96-071, dated June 29, 1996)

This letter provides the Pilgrim Station ISI Plan for 1996 on-line and 1997 Refueling Outage (RFO) 11 examinations. The on-line examinations are scheduled to be conducted during November and December 1996. RFO #11 is scheduled to begin on February 1, 1997. 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 (BECo) is a participant in the BWR Vessel Internals Project (BWRVIP). The Vessel Internals Project has developed "Guidelines for Reinspection of BWR Core Shrouds" (BWRVIP-07), EPRI TR-105747, dated February 1996 which addresses NRC SER requirements and recommendations. We have developed the Pilgrim-specific core shroud inspection plan in accordance with BWRVIP-07 guidelines. BECo requests NRC approval of this plan by January 1997 to support RFO#11 shroud inspection activities.

2. Enclosure B provides the ultrasonic and visual examination plan for core spray internals (piping and spargers) in accordance with BWRVIP-18 guidelines and NRC Bulletin 80-13.

3. Enclosure C provides the ASME Code required examinations that have been scheduled during the first period of the Pilgrim Third Ten-Year inspection interval in accordance with the 1989 Edition of ASME Section XI and Pilgrim Third Ten-Year ISI Program. The Code required examination scope includes non destructive examinations of safety-related piping systems, welds, attachments, bolting and supports. In addition, the following augmented examinations are planned:

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- Visual and ultrasonic (UT) wall thickness examinations of 19 salt service water piping spool pieces in accordance with BECo Specification M-591 and NRC Generic Letter 89-13. These examinations will be performed on-line.

- UT examination of 27 piping welds for intragranular stress corrosion cracking (IGSCC) in accordance with NRC Generic Letter 88-01.

- UT examination of 49 components to detect flow-assisted corrosion in accordance with Generic Letter 89-08. Some of these examinations may be performed on-line.

- UT examination of jet pump beams as specified by GE SIL-330, Supplement 2.

- Visual examination of 50% of jet pump riser braces in accordance with GE SIL-551.

- Core shroud examinations in accordance with BWRVIP-07 (See Enclosure A).

- Core spray internal examinations (See Enclosure B).

Components selected for on-line examination during power operations in November/December 1996 were originally selected for inspection in RFO#11. Examinations not completed on-line will be performed during RFO#11. However, a forced shutdown in September 1996 revealed a significant increase in recirculation piping dose rates in the drywell. We are currently re-evaluating the RFO#11 ISI inspection schedule (Attachment C) to identify opportunities for relief because of the elevated radiation levels in the drywell.

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

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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 and Augmented ISI Inspection Plan for 1996 On-line and 1997 Refuel Outage#11

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ENCLOSURE A

PILGRIM CORE SHROUD INSPECTION PLAN

BACKGROUND

Boston Edison Company (BECo) completed a core shroud modification during refueling outage (RFO) #10 in response to GL 94-03. NRC approved the modification (Safety Evaluation Report, dated May 12, 1995). The SER requested a core shroud post-modification inspection plan for NRC review and approval. BECo informed the NRC through the LTP Report (BECo Letter # 96-18, dated February 29, 1996) and subsequently by BECo Letter #96-071, dated July 29, 1996, that the core shroud inspection plan will be submitted along with the refueling ISI plan by October 31, 1996.

BECo is a participant in the BWR Vessel Internals Project which has developed the BWRVIP-07 guidelines for post-modification inspections. Questions raised by the NRC during their review of BWRVIP-07 will be addressed by resolutions expected in the near future. Those resolutions will also address the request for reinspection included in the Pilgrim SER for the core shroud modification. BECo has developed the RFO#11 core shroud inspection plan in accordance with the BWRVIP-07 guidelines, dated February 1996. BECo will address future inspections of the core shroud modification at such time that the NRC completes its review of BWRVIP-07 guidelines. The RFO#11 inspection plan is summarized below.

ELEMENTS OF CORE SHROUD INSPECTION PLAN

The following examinations will be conducted during RFO#11.

1. VT-3 examination of one tie rod assembly. This examination will be for the attributes of missing, deformed, or cracked parts, improper clearances, alignment and wear. Bolt tightness will be verified by a lack of gaps at critical component interfaces. In lieu of checking the torque, the VT-3 examination in the cold shutdown condition will provide assurance that hot pre-load has been maintained.

2. VT-3 examination of two core support plate wedge assemblies.

3. Enhanced VT-1 examination of welds at one gusset plate.

4. UT inspection of accessible portions of 25% of the equivalent length of all vertical welds (~134") from vessel ID. These inspections will be confined to the core barrel region specifically welds V-15, V-16, V-17 and V-18 due to access limitations.

5. Enhanced VT-1 examination of accessible portions of ring segment welds from shroud OD. No horizontal welds will be examined.

REPORTING OF INSPECTION RESULTS

The RFO#11 inspection results will be reported to the NRC as an attachment to the ASME Section XI refueling outage report.

ENCLOSURE B

CORE SPRAY INTERNAL PIPING AND SPARGER EXAMINATIONS

BACKGROUND

NRC IE Bulletin 80-13 identified instances of cracking in core spray spargers in BWR facilities. The Bulletin required inspections of core spray spargers and piping between the inlet nozzle and the vessel shroud during each refueling outage until further notice. In the event cracks are identified, an evaluation shall be submitted to the NRC for review and approval prior to return to operation.

The Boiling Water Reactor Vessel and Internals Project has developed guidelines, "BWR Core Spray Internals Inspection and Flaw Evaluation Guidelines" (BWRVIP-18), dated July 1996. The guidelines describe locations in the core spray piping and spargers where inspection is needed, extent of inspection and reinspection for each location, flaw evaluation procedures, and reporting of inspection results. Based on BWRVIP-18 guidelines and NRC Bulletin 80-13, BECo provides the following RFO#11 inspection plan for core spray internals.

EXAMINATION OF CORE SPRAY INTERNALS

BECo plans to conduct the following examinations:

1. Remote ultrasonic examination of accessible portions of circumferential piping welds between the core spray tee box and the shroud penetration (~ 42 welds) in accordance with BWRVIP-18 guidelines. Welds inaccessible to the ultrasonic test (UT) method will be visually examined to the extent possible using the enhanced visual test (VT-1) method.

2. VT-1 examination of spargers to 1 mil resolution in accordance with Bulletin 80-13 requirements.

3. VT-1 examination of sparger brackets to 1 mil resolution in accordance with BWRVIP-18 guidelines.

The above inspection elements will provide the most thorough assessment possible of the core spray piping.

REPORTING OF INSPECTION RESULTS

The inspection results will be reported to the NRC as an attachment to the ASME Section XI refueling outage report.

ENCLOSURE C

ASME SECTION XI AND AUGMENTED ISI INSPECTION PLAN FOR
1996 ON-LINE AND 1997 REFUEL OUTAGE#11

PILGRIM NUCLEAR POWER STATION

INSERVICE INSPECTION PLAN FOR 1996 ON-LINE AND 1997 REFUEL OUTAGE 11

COMPONENT	DESCRIPTION	CATEGORY	CODE ITEM	SYSTEM	ISOMETRIC	EXAM	ON-LINE
RPV-TH-M1	MERID HEAD WELD 0	B-A	B1.22	RPV	ISI-I-54-2	UT	No
RPV-TH-M2	MERID HEAD WELD 45	B-A	B1.22	RPV	ISI-I-54-2	UT	No
RPV-TH-M3	MERID HEAD WELD 90	B-A	B1.22	RPV	ISI-I-54-2	UT	No
RPV-SF-0-120	SHELL TO FLANGE	B-A	B1.30	RPV	ISI-I-54-1	UT	No
RPV-HF-0-120	HEAD TO FLANGE	B-A	B1.40	RPV	ISI-I-54-2	MT UT	No
		*********					
RPV-N1A-NIR	NOZZLE INNER RADIUS	B-D	B3.100	RPV	ISI-I-54-1	UT	No
RPV-N2A-NIR	NOZZLE INNER RADIUS	B-D	B3.100	RPV	ISI-I-54-1	UT	No
RPV-N2B-NIR	NOZZLE INNER RADIUS	B-D	B3.100	RPV	ISI-I-54-1	UT	No
RPV-N3A-NIR	NOZZLE INNER RADIUS	B-D	B3.100	RPV	ISI-I-54-1	UT	No
RPV-N3B-NIR	NOZZLE INNER RADIUS	B-D	B3.100	RPV	ISI-I-54-1	UT	No
RPV-N3C-NIR	NOZZLE INNER RADIUS	B-D	B3.100	RPV	ISI-I-54-1	UT	No
RPV-N3D-NIR	NOZZLE INNER RADIUS	B-D	B3.100	RPV	ISI-I-54-1	UT	No
RPV-N6A-NIR	NOZZLE INNER RADIUS	B-D	B3.100	RPV	ISI-I-54-1	UT	No
RPV-N1A-NV	NOZZLE TO VESSEL	B-D	B3.90	RPV	ISI-I-54-1	UT	No
RPV-N2A-NV	NOZZLE TO VESSEL	B-D	B3.90	RPV	ISI-I-54-1	UT	No
RPV-N2B-NV	NOZZLE TO VESSEL	B-D	B3.90	RPV	ISI-I-54-1	UT	No
RPV-N3A-NV	NOZZLE TO VESSEL	B-D	B3.90	RPV	ISI-I-54-1	UT	No
RPV-N3B-NV	NOZZLE TO VESSEL	B-D	B3.90	RPV	ISI-I-54-1	UT	No
RPV-N3C-NV	NOZZLE TO VESSEL	B-D	B3.90	RPV	ISI-I-54-1	UT	No
RPV-N3D-NV	NOZZLE TO VESSEL	B-D	B3.90	RPV	ISI-I-54-1	UT	No
RPV-N6A-NV	NOZZLE TO VESSEL	B-D	B3.90	RPV	ISI-I-54-1	UT	No
		*********					
1-A-1	NOZZLE TO SAFE END	B-F	B5.10	RPV	ISI-I-1-1SH1	MT UT	No
1-B-1	NOZZLE TO SAFE END	B-F	B5.10	RPV	ISI-I-1-1SH1	MT UT	No
1-C-1	NOZZLE TO SAFE END	B-F	B5.10	RPV	ISI-I-1-1SH1	MT UT	No
1-D-1	NOZZLE TO SAFE END	B-F	B5.10	RPV	ISI-I-1-1SH1	MT UT	No
14-A-1	SAFE END TO NOZZLE	B-F	B5.10	RPV	ISI-I-14-1	PT UT	No

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COMPONENT	DESCRIPTION	CATEGORY	CODE ITEM	SYSTEM	ISOMETRIC	EXAM	ON-LINE
2R-N1A-1	NOZZLE TO SAFE END	B-F	B5.10	RPV	ISI-I-2R-B	PT UT	No
2R-N2A-1	SAFE END TO NOZZLE	B-F	B5.10	RPV	ISI-I-2R-A	PT UT	No
2R-N2B-1	SAFE END TO NOZZLE	B-F	B5.10	RPV	ISI-I-2R-A	PT UT	No
2R-N2G-1	SAFE END TO NOZZLE	B-F	B5.10	RPV	ISI-I-2R-B	PT UT	No
2R-N2H-1	SAFE END TO NOZZLE	B-F	B5.10	RPV	ISI-I-2R-B	PT UT	No
2R-N2K-1	SAFE END TO NOZZLE	B-F	B5.10	RPV	ISI-I-2R-B	PT UT	No
RPV-N9B-1	NOZZLE TO SAFE END	B-F	B5.10	RPV	ISI-I-54-4	PT UT	No
14-A-10A	VALVE TO PIPE	B-F	B5.130	CS	ISI-I-14-1	PT UT	No
RPV-N14-1	SAFE END TO NOZZLE	B-F	B5.20	RPV	ISI-I-11-1	PT	No
RPV-N16A-R-1	NOZZLE TO SAFE END	B-F	B5.20	RPV	ISI-I-54-4	PT	No
		*********					
RPV-CHN-1-18	CLOSURE HEAD NUTS	B-G-1	B6.10	RPV	ISI-I-54-2	MT	No
RPV-CS-1-18	CLOSURE STUDS	B-G-1	B6.20	RPV	ISI-I-54-2	UT	No
RPV-FT-1-18	THREADS IN FLANGE	B-G-1	B6.40	RPV	ISI-I-54-2	UT	No
RPV-CB-1-18	CLOSURE BUSHINGS	B-G-1	B6.50	RPV	ISI-I-54-2	VT-1	No
RPV-CW-1-18	CLOSURE WASHERS	B-G-1	B6.50	RPV	ISI-I-54-2	VT-1	No
		*********					
RPV-FB-N7A	FLANGE BOLTING	B-G-2	B7.10	RPV	ISI-I-54-4	VT-1	No
RPV-FB-N7B	FLANGE BOLTING	B-G-2	B7.10	RPV	ISI-I-54-4	VT-1	No
RPV-FB-N8	FLANGE BOLTING	B-G-2	B7.10	RPV	ISI-I-54-4	VT-1	No
6-VB-57A	VALVE BOLTING	B-G-2	B7.70	FW	ISI-I-6-1	VT-1	No
6-VB-57B	VALVE BOLTING	B-G-2	B7.70	FW	ISI-I-6-1	VT-1	No
23-VB-2301-4	VALVE BOLTING	B-G-2	B7.70	HPCI	ISI-I-23-1	VT-1	No
1-VB-203-1A	VALVE BOLTING <2'	B-G-2	B7.70	MS	ISI-I-1-1SH2	VT-1	No
1-VB-203-1B	VALVE BOLTING <2'	B-G-2	B7.70	MS	ISI-I-1-1SH2	VT-1	No
1-VB-203-1C	VALVE BOLTING <2'	B-G-2	B7.70	MS	ISI-I-1-1SH2	VT-1	No
1-VB-203-1D	VALVE BOLTING <2'	B-G-2	B7.70	MS	ISI-I-1-1SH2	VT-1	No
1-VB-203-2A	VALVE BOLTING <2'	B-G-2	B7.70	MS	ISI-I-1-1SH2	VT-1	No

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COMPONENT	DESCRIPTION	CATEGORY	CODE ITEM	SYSTEM	ISOMETRIC	EXAM	ON-LINE
1-VB-203-2B	VALVE BOLTING <2'	B-G-2	B7.70	MS	ISI-I-1-1SH2	VT-1	No
2-VB-202-4A	VALVE BOLTING	B-G-2	B7.70	RECIRC	ISI-I-2R-A	VT-1	No
10-VB-1001-29A	VALVE BOLTING	B-G-2	B7.70	RHR	ISI-I-10-1	VT-1	Yes
10-VB-1001-29B	VALVE BOLTING	B-G-2	B7.70	RHR	ISI-I-10-1	VT-1	Yes
12-VB-1201-2	VALVE BOLTING	B-G-2	B7.70	RWCU	ISI-I-12-1SH1	VT-1	No
11-VB-1101-16	VALVE BOLTING	B-G-2	B7.70	SBLC	ISI-I-11-1	VT-1	Yes
		*********					
RPV-SBW-0	RPV STABILIZER WELD	B-H	B8.10	RPV	ISI-I-54-1	MT	No
RPV-SBW-180	RPV STABILIZER WELD	B-H	B8.10	RPV	ISI-I-54-1	MT	No
RPV-SBW-270	RPV STABILIZER WELD	B-H	B8.10	RPV	ISI-I-54-1	MT	No
RPV-SBW-90	RPV STABILIZER WELD	B-H	B8.10	RPV	ISI-I-54-1	MT	No
		*********					
14-A-17	PIPE TO PENETRATION	B-J	B9.11	CS	ISI-I-14-1	PT UT	No
14-A-18	PIPE TO PIPE	B-J	B9.11	CS	ISI-I-14-1	PT UT	No
14-B-17	PIPE TO PENETRATION	B-J	B9.11	CS	ISI-I-14-1	PT UT	No
14-B-18	ELBOW TO PIPE	B-J	B9.11	CS	ISI-I-14-1	PT UT	No
14-B-19	PIPE TO ELBOW	B-J	B9.11	CS	ISI-I-14-1	PT UT	No
14-B-20	PIPE TO PIPE	B-J	B9.11	CS	ISI-I-14-1	PT UT	No
6-B-7	PIPE TO VALVE	B-J	B9.11	FW	ISI-I-6-1	MT UT	No
6-N4B-8	ELBOW TO PIPE	B-J	B9.11	FW	ISI-I-6-1	MT UT	No
6-N4C-9	ELBOW TO PIPE	B-J	B9.11	FW	ISI-I-6-1	MT UT	No
23-O-10	VALVE TO ELBOW	B-J	B9.11	HPCI	ISI-I-23-1	MT UT	No
23-O-9	PIPE TO VALVE	B-J	B9.11	HPCI	ISI-I-23-1	MT UT	No
1-A-14	VALVE TO PIPE	B-J	B9.11	MS	ISI-I-1-1SH2	MT UT	No
1-A-7	ELBOW TO ELBOW	B-J	B9.11	MS	ISI-I-1-1SH1	MT UT	No
1-A-8	ELBOW TO PIPE	B-J	B9.11	MS	ISI-I-1-1SH1	MT UT	No
1-A-9	PIPE TO ELBOW	B-J	B9.11	MS	ISI-I-1-1SH1	MT UT	No
2R-N1B-10	ELBOW TO PUMP	B-J	B9.11	RECIRC	ISI-I-2R-A	PT UT	No

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INSERVICE INSPECTION PLAN FOR 1996 ON-LINE AND 1997 REFUEL OUTAGE 11

COMPONENT	DESCRIPTION	CATEGORY	CODE ITEM	SYSTEM	ISOMETRIC	EXAM	ON-LINE
2R-N1B-11	PUMP TO PIPE	B-J	B9.11	RECIRC	ISI-I-2R-A	PT UT	No
10R-IB-12	PENETRATION TO ELBO	B-J	B9.11	RHR	ISI-I-10-1	PT UT	No
10R-O-12	ELBOW TO VALVE	B-J	B9.11	RHR	ISI-I-10-1A	PT UT	No
10R-O-6	45 ELBOW TO PIPE	B-J	B9.11	RHR	ISI-I-10-1A	PT UT	No
10R-O-7	PIPE TO VALVE	B-J	B9.11	RHR	ISI-I-10-1A	PT UT	No
10R-O-8	VALVE TO ELBOW	B-J	B9.11	RHR	ISI-I-10-1A	PT UT	No
10R-O-9	ELBOW TO PIPE	B-J	B9.11	RHR	ISI-I-10-1A	PT UT	No
12-O-29R	ELBOW TO PIPE	B-J	B9.11	RWCU	ISI-I-12-1SH1	PT UT	No
12-O-30R	PIPE TO ELBOW	B-J	B9.11	RWCU	ISI-I-12-1SH1	PT UT	No
12-O-31R	ELBOW TO PIPE	B-J	B9.11	RWCU	ISI-I-12-1SH1	PT UT	No
1-SD-8R	VALVE TO PIPE	B-J	B9.21	MS	ISI-I-1-1SH2	MT	No
13-O-3	PIPE TO ELBOW	B-J	B9.21	RCIC	ISI-I-13-1	MT	No
13-O-4	ELBOW TO PIPE	B-J	B9.21	RCIC	ISI-I-13-1	MT	No
2R-N1B-9BC-1	BR CONN TO ELBOW	B-J	B9.31	RECIRC	ISI-I-2R-A	PT UT	No
12R-BC-6	PIPE TO ELBOW	B-J	B9.40	RWCU	ISI-I-12-1SH2	PT	No
B-11-304	ELBOW TO PIPE	B-J	B9.40	SBLC	ISI-I-11-1	PT	No
B-11-305	PIPE TO ELBOW	B-J	B9.40	SBLC	ISI-I-11-1	PT	No
		*********					
1-A-8HL1(8)	SUPPORT LUGS	B-K-1	B10.10	MS	ISI-I-1-1SH1	MT	No
2R-N1B-14HL2(4)	4 HANGER LUGS	B-K-1	B10.10	RECIRC	ISI-I-2R-A	PT	No
		*********					
RPV INTERIOR	VESSEL INTERIOR	B-N-1	B13.10	RPV	N/A	VT-3	No
		*********					
10-E207A-1	SHELL TO FLANGE	C-A	C1.10	RHR	ISI-E207A	AUTO UT	Yes
10-E207A-3	SHELL TO FLANGE	C-A	C1.10	RHR	ISI-E207A	AUTO UT	Yes
10-E207A-4	HEAD TO FLANGE	C-A	C1.20	RHR	ISI-E207A	AUTO UT	Yes
10-E207A-5	HEAD CIRC WELD	C-A	C1.20	RHR	ISI-E207A	AUTO UT	Yes

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COMPONENT	DESCRIPTION	CATEGORY	CODE ITEM	SYSTEM	ISOMETRIC	EXAM	ON-LINE
		*********					
10-E207A-N3-1	NOZZLE TO SHELL WELD	C-B	C2.33	RHR	ISI-E207A	VT-2	Yes
10-E207A-N4-1	NOZZLE TO SHELL WELD	C-B	C2.33	RHR	ISI-E207A	VT-2	Yes
		*********					
10-E207B-S1	HX SUPPORT LUGS	C-C	C3.10	RHR	ISI-E207B	MT	Yes
10-E207B-S2	HX SUPPORT LUGS	C-C	C3.10	RHR	ISI-E207B	MT	Yes
10-E207B-S3	HX SUPPORT LUGS	C-C	C3.10	RHR	ISI-E207B	MT	Yes
10-E207B-S4	HX SUPPORT LUGS	C-C	C3.10	RHR	ISI-E207B	MT	Yes
GB-14-2HL1(4)	SUPPORT LUGS	C-C	C3.20	CS	ISI-I-14-2B	MT	Yes
GB-14-8HL1(4)	SUPPORT LUGS	C-C	C3.20	CS	ISI-I-14-2A	MT	Yes
GB-10-117HL1(4)	SUPPORT LUGS	C-C	C3.20	RHR	ISI-I-10-3A	MT	Yes
		*********					
GB-14-F84	PIPE TO VALVE	C-F-1	C5.11	CS	ISI-I-14-2A	PT UT	Yes
GB-14-F85	VALVE TO PIPE	C-F-1	C5.11	CS	ISI-I-14-2A	PT UT	Yes
		*********					
3-ESD-16	ELBOW TO PIPE	C-F-2	C5.51	[illegible]	ISI-I-3-1	MT UT	Yes
3-ESD-24	ELBOW TO PIPE	C-F-2	C5.51	[illegible]RD	ISI-I-3-1	MT UT	Yes
GB-14-4-3F	PIPE TO ELBOW	C-F-2	C5.51	CS	ISI-I-14-2A	MT UT	Yes
GB-14-F39	PIPE TO VALVE	C-F-2	C5.51	CS	ISI-I-14-2B	MT UT	Yes
EB-23-3-1B	RED. ELBOW TO PIPE	C-F-2	C5.51	HPCI	ISI-I-23-5	MT UT	Yes
EB-23-F35	PUMP TO RED. ELBOW	C-F-2	C5.51	HPCI	ISI-I-23-5	MT UT	Yes
HD-13-F41	FLANGE TO PUMP	C-F-2	C5.51	RCIC	ISI-I-13-2	MT UT	Yes
GB-10-17-3A-I	TEE TO PIPE	C-F-2	C5.51	RHR	ISI-I-10-3A	MT UT	Yes
GB-10-18-4B	PIPE TO WELDOLET	C-F-2	C5.51	RHR	ISI-I-10-3A	MT UT	Yes
HB-10-1-10B	ELBOW TO PIPE	C-F-2	C5.51	RHR	ISI-I-10-1B	MT UT	Yes
HB-10-3-1E	TEE TO REDUCER	C-F-2	C5.51	RHR	ISI-I-10-1B	MT UT	Yes
HB-10-3-1F	REDUCER TO ELBOW	C-F-2	C5.51	RHR	ISI-I-10-1B	MT UT	Yes

PILGRIM NUCLEAR POWER STATION

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COMPONENT	DESCRIPTION	CATEGORY	CODE ITEM	SYSTEM	ISOMETRIC	EXAM	ON-LINE
HB-10-F110	FLANGE TO PUMP	C-F-2	C5.51	RHR	ISI-I-10-2A	MT UT	Yes
HB-10-F79	VALVE TO ELBOW	C-F-2	C5.51	RHR	ISI-I-10-1C	MT UT	Yes
HB-10-F92	PIPE TO ELBOW	C-F-2	C5.51	RHR	ISI-I-10-1B	MT UT	Yes
HL-10-4-2B	ELBOW TO PIPE	C-F-2	C5.51	RHR	ISI-I-10-2A	MT UT	No
HL-10-F202	NOZZLE TO PIPE	C-F-2	C5.51	RHR	ISI-I-10-2A	MT UT	No
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HE-30-10PS	STANCHION	D-B	D2.20	RBCCW	ISI-I-30-1SH2	VT-3	Yes
HE-30-11PS	STANCHION	D-B	D2.20	RBCCW	ISI-I-30-1SH1	VT-3	Yes
HE-30-121PS	STANCHION	D-B	D2.20	RBCCW	ISI-I-30-1SH1	VT-3	Yes
HE-30-437PS	STANCHION	D-B	D2.20	RBCCW	ISI-I-30-1SH1	VT-3	Yes
HE-30-52PS	STANCHION	D-B	D2.20	RBCCW	ISI-I-30-2SH2	VT-3	Yes
HE-30-66PS	STANCHION	D-B	D2.20	RBCCW	ISI-I-30-2SH1	VT-3	Yes
HE-30-67PS	STANCHION	D-B	D2.20	RBCCW	ISI-I-30-2SH1	VT-3	Yes
HE-30-68PS	STANCHION	D-B	D2.20	RBCCW	ISI-I-30-2SH1	VT-3	Yes
HE-30-69PS	STANCHION	D-B	D2.20	RBCCW	ISI-I-30-2SH1	VT-3	Yes
HE-30-99PS	STANCHION	D-B	D2.20	RBCCW	ISI-I-30-2SH2	VT-3	Yes
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H-6-1-102	SPRING HANGER	F-A	F1.10-C	FW	ISI-I-6-1	VT-3	No
H-6-1-106	SPRING HANGER	F-A	F1.10-C	FW	ISI-I-6-1	VT-3	No
H-1-1-HA2	SPRING HANGER	F-A	F1.10-C	MS	ISI-I-1-1SH1	VT-3	No
H-1-1-SA1	SNUBBER	F-A	F1.10-C	MS	ISI-I-1-1SH1	VT-3	No
H-1-1-SA2	SNUBBER	F-A	F1.10-C	MS	ISI-I-1-1SH1	VT-3	No
H-2-1-H1	SPRING HANGER	F-A	F1.10-C	RECIRC	ISI-I-2R-A	VT-3	No
H-2-1-H6	SPRING HANGER	F-A	F1.10-C	RECIRC	ISI-I-2R-A	VT-3	No
H-2-1-H8	SPRING HANGER	F-A	F1.10-C	RECIRC	ISI-I-2R-A	VT-3	No
H-10-1-SS19	SNUBBER	F-A	F1.10-C	RHR	ISI-I-10-1	VT-3	No
H-12-1-11	SPRING HANGER	F-A	F1.10-C	RWCU	ISI-I-12-1SH1	VT-3	No
H-14-1-10	RIGID HANGER	F-A	F1.20-A	CS	ISI-I-14-2B	VT-3	Yes

PILGRIM NUCLEAR POWER STATION

INSERVICE INSPECTION PLAN FOR 1996 ON-LINE AND 1997 REFUEL OUTAGE 11

COMPONENT	DESCRIPTION	CATEGORY	CODE ITEM	SYSTEM	ISOMETRIC	EXAM	ON-LINE
H-1-1-22	RIGID HANGER	F-A	F1.20-A	MS	ISI-I-1-1SH2	VT-3	No
H-10-1-160	RIGID HANGER	F-A	F1.20-A	RHR	ISI-I-10-5BSH2	VT-3	Yes
H-10-1-180	RIGID HANGER	F-A	F1.20-A	RHR	ISI-I-10-4ASH2	VT-3	Yes
H-10-1-76	RIGID HANGER	F-A	F1.20-A	RHR	ISI-I-10-5BSH1	VT-3	Yes
H-10-1-81	RIGID HANGER	F-A	F1.20-A	RHR	ISI-I-10-4BSH1	VT-3	Yes
H-14-1-4SH	RIGID HANGER	F-A	F1.20-B	CS	ISI-I-14-2A	VT-3	Yes
H-23-1-16S	LATERAL RESTRAINT	F-A	F1.20-B	HPCI	ISI-I-23-2	VT-3	Yes
H-13-1-30	RIGID SUPPORT	F-A	F1.20-B	RCIC	ISI-I-13-3	VT-3	Yes
H-10-1-101S	RIGID HANGER	F-A	F1.20-B	RHR	ISI-I-10-5BSH2	VT-3	Yes
H-10-1-102S	LATERAL RESTRAINT	F-A	F1.20-B	RHR	ISI-I-10-5BSH2	VT-3	Yes
H-10-1-17SS	RIGID HANGER	F-A	F1.20-B	RHR	ISI-I-10-1C	VT-3	Yes
H-10-1-4SR	LATERAL RESTRAINT	F-A	F1.20-B	RHR	ISI-I-10-3A	VT-3	Yes
H-23-1-11	SPRING HANGER	F-A	F1.20-C	HPCI	ISI-I-23-2	VT-3	Yes
H-23-1-12SS	SNUBBER	F-A	F1.20-C	HPCI	ISI-I-23-3	VT-3	No
H-23-1-8	SPRING HANGER	F-A	F1.20-C	HPCI	ISI-I-23-2	VT-3	Yes
H-13-1-32	SPRING HANGER	F-A	F1.20-C	RCIC	ISI-I-13-3	VT-3	Yes
H-10-1-182	SPRING HANGER	F-A	F1.20-C	RHR	ISI-I-10-1C	VT-3	Yes
H-30-1-71SA	ANCHOR	F-A	F1.30-B	RBCCW	ISI-I-30-1SH1	VT-3	Yes
H-30-1-437	RIGID HANGER	F-A	F1.30-B	RBCCW	ISI-I-30-1SH1	VT-3	Yes
H-30-1-67	RIGID HANGER	F-A	F1.30-B	RBCCW	ISI-I-30-2SH1	VT-3	Yes
H-30-1-69SA/350	ANCHOR	F-A	F1.30-B	RBCCW	ISI-I-30-2SH1	VT-3	Yes
H-30-1-99	RIGID HANGER	F-A	F1.30-B	RBCCW	ISI-I-30-2SH2	VT-3	Yes
H-10-1-E207A	HX SUPPORT	F-A	F1.40-B	RHR	ISI-E207A	VT-3	Yes
H-54-1-SB0	RPV STABILIZER	F-A	F1.40-B	RPV	ISI-I-54-1	VT-3	No
H-54-1-SB180	RPV STABILIZER	F-A	F1.40-B	RPV	ISI-I-54-1	VT-3	No
H-54-1-SB270	RPV STABILIZER	F-A	F1.40-B	RPV	ISI-I-54-1	VT-3	No
H-54-1-SB90	RPV STABILIZER	F-A	F1.40-B	RPV	ISI-I-54-1	VT-3	No

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