

**Boston Edison Company**

**JUNE 1997**

**INSERVICE INSPECTION SUMMARY  
REPORT  
FOR REFUEL OUTAGE 11  
AT  
PILGRIM NUCLEAR POWER STATION**

Prepared by *Rufus Parker* Date 5-21-97  
Reviewed by *Charles Gannon* Date 5/27/97  
Approved by *R. Keenan* Date 6/3/97

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**SECTION 1.0**

**EXECUTIVE SUMMARY**

**PILGRIM NUCLEAR POWER STATION  
1997 REFUEL OUTAGE 11 INSERVICE INSPECTION SUMMARY REPORT**

**1.0 EXECUTIVE SUMMARY**

This report documents the inservice inspection (ISI), preservice inspection (PSI), and augmented examinations performed at Pilgrim Nuclear Power Station (PNPS) for the period from the end of Refueling Outage 10 to the end of Refueling Outage 11. The examinations performed are included in the first period of the Third Ten Year Inspection Interval of the PNPS ISI Program.

**Types of examinations performed were:**

- ASME XI inservice and preservice visual, surface and volumetric examinations.
- Ultrasonic (UT) examinations for intergranular stress corrosion cracking (IGSCC) per Generic Letter 88-01.
- UT examinations of Salt Service Water piping per Generic Letter 88-13 and BECo Specification M-591.
- UT examinations of high energy piping for flow assisted corrosion per Generic Letter 89-08 and BECo Specification M-577.
- In-vessel examinations.
- Visual and ultrasonic examinations of the core shroud modification.
- Visual examinations of the drywell annulus air gap drain lines.
- UT and visual examinations of RPV internal core spray piping and spargers.
- Visual examinations for leakage of Class 1, 2 and 3 components.

**Examination Details:**

Examinations were conducted in accordance with ASME Section XI 1989 Edition and BECo letters to NRC, NOs. 92.048, 96.091, 96.105, 97.003, 97.010 and NRC letter to BECo dated February 10, 1997.

General Electric Company was the examination vendor for examinations

performed during the refueling outage and on-line RHR heat exchanger UT examinations while BECo personnel performed the on-line examinations prior to RFO 11.

**Regarding BECo letter 92.048 "Revised Inspection Plan for Drywell Annulus Air Gap Drain Lines at PNPS":**

The 4" annulus air gap drains were examined after flood up of the refueling cavity and prior to drain down of the cavity. No leakage was found.

**Regarding BECo letter 96.091 "Pilgrim Station 1996 On-Line and Refueling Outage 11 Inservice Inspection (ISI) Plan" as modified by BECo letters 96.105, 97.003, 97.010 and NRC letter dated February 10, 1997:**

All examinations were completed with the following additional information:

- Ultrasonic examination of core spray piping internal to the reactor vessel found 6 flaws which were separately reported to the NRC by BECo letter 97.033.
- Visual examinations were performed in the reactor pressure vessel of all jet pumps riser-to-elbow and elbow-to-thermal sleeve welds per General Electric SIL 605; no flaws were found.
- Visual examinations of one half of all jet pump assemblies included the riser brace welds, beam assembly, swing gate and latch pin, set screws, wedges and slip joints. Due to nonconformance reports (NCR 97-105 and NCR 97-117) for swing gate position, the scope of the examinations was expanded to include all swing gate assemblies.
- Ultrasonic examinations of a 25% sample of the equivalent length of all core shroud vertical welds (approximately 134 inches) were performed as outlined in BECo letter 96.091 with no reportable indications detected. Visual examinations performed on components of the core shroud modification revealed no indications. Inspected components included one complete tie rod assembly, the adjacent gusset plate welds and core plate wedge assemblies, and accessible ring segment welds. Tie rod preload was verified by visual examination of one lower pin assembly for the presence of a gapped condition. The results of the visual examination were satisfactory as the tie rod pin was found to be in intimate contact with the gusset plate.

- The steam dryer leveling screws were found to have cracked tack welds in two locations (NCR 97-124).
- Two brackets welded to the vessel interior wall and not previously identified on plant drawings (later identified as abandoned reactor start-up vibration instrumentation brackets) were examined to code requirements.
- UT thickness measurements were made on 54 components for flow assisted corrosion in accordance with Generic Letter 89-08. This included a scope expansion of 5 components due to a thin wall finding. Refer to NCR 97-106 and NCR 97-108.
- A rejectable flaw in the Class 2 RHR piping support lug GB-10-117HL1(4) documented in NCR 97-64 and NCR 97-134 caused a scope expansion of 7 similar components. No additional flaws were identified.
- Class 2 RCIC Weld HD-13-1-3D was substituted for previously scheduled HB-10-F110 due to inaccessibility for ultrasonics.
- Class 2 RCIC Weld HD-13-1-3D was substituted for previously scheduled HD-13-F41 due to inaccessibility.
- UT examinations were performed on-line on 19 Salt Service Water spools for wall thickness in accordance with Specification M-591 and Generic Letter 89-13. One nonconformance report was written which was unrelated to service conditions.
- A total of 13 nonconformance reports were written on ISI activities. Six were in regard to core spray piping internal to the vessel, two were regarding flow assisted corrosion, two were regarding unlatched jet pump swing gates and one for cracked steam dryer leveling screw tack welds.

**Regarding visual examinations for leakage for Class 2 and 3 pressure testing:**

The majority of the Class 2 and 3 systems have been leak checked including the RHR/FPC Inter-tie piping described in BECo letter 96.054.

Table 1

ISI EXAMINATIONS PERFORMED ON-LINE PRIOR TO RFO 11  
by Boston Edison Company

COMPONENT	DESCRIPTION	CATEGORY	SYSTEM	ISOMETRIC	EXAM	DATA SHEETS
10-VB-1001-29A	VALVE BOLTING	B-G-2	RHR	ISI-I-10-1	VT-1	96-V-205
10-VB-1001-29B	VALVE BOLTING	B-G-2	RHR	ISI-I-10-1	VT-1	96-V-130 97-V-015
11-VB-1101-16	VALVE BOLTING	B-G-2	SBLC	ISI-I-11-1	VT-1	97-V-018 96-V-129
<b>CATEGORY</b>						
10-E207A-1	SHELL TO FLANGE	C-A	RHR	ISI-E207A	AUTO UT	96-E-169 96-E-168 96-E-167 96-E-166 96-E-170
10-E207A-3	SHELL TO FLANGE	C-A	RHR	ISI-E207A	AUTO UT	96-E-172 96-E-173 96-E-174 96-E-175 96-E-171
10-E207A-4	HEAD TO FLANGE	C-A	RHR	ISI-E207A	AUTO UT	96-E-177 96-E-179 96-E-176 96-E-180 96-E-178
10-E207A-5	HEAD CIRC WELD	C-A	RHR	ISI-E207A	AUTO UT	96-E-182 96-E-181 96-E-183 96-E-184 96-E-185

Table 1

**ISI EXAMINATIONS PERFORMED ON-LINE PRIOR TO RFO 11**  
by Boston Edison Company

COMPONENT	DESCRIPTION	CATEGORY	SYSTEM	ISOMETRIC	EXAM	DATA SHEETS
CATEGORY						
10-E207A-N3-1	NOZZLE TO SHELL WELD WITH REINFORCING PLATE	C-B	RHR	ISI-E207A	VT-2	VT-10-97003
10-E207A-N4-1		C-B	RHR	ISI-E207A	VT-2	VT-10-97003
CATEGORY						
GB-14-8HL1(4)	SUPPORT LUGS	C-C	CS	ISI-I-14-2A	MT	97-M-010
CATEGORY						
GB-14-F84	PIPE TO VALVE	C-F-1	CS	ISI-I-14-2A	PT UT	96-P-138 96-E-132 96-E-134 96-E-136
GB-14-F85	VALVE TO PIPE	C-F-1	CS	ISI-I-14-2A	PT UT	96-E-136 96-E-134 96-E-132 96-P-139
CATEGORY						
3-ESD-16	ELBOW TO PIPE	C-F-2	CRD	ISI-I-3-1	MT UT	96-E-078 96-M-074 96-E-076
3-ESD-24	ELBOW TO PIPE	C-F-2	CRD	ISI-I-3-1	MT UT	96-M-069 96-E-071 96-C-070 96-C-072 96-E-073
GB-14-4-3F	PIPE TO ELBOW	C-F-2	CS	ISI-I-14-2A	MT UT	96-E-024 96-M-021



Table 1

**ISI EXAMINATIONS PERFORMED ON-LINE PRIOR TO RFO 11**  
by Boston Edison Company

COMPONENT	DESCRIPTION	CATEGORY	SYSTEM	ISOMETRIC	EXAM	DATA SHEETS
						96-C-023
						96-E-027
						96-C-026
GB-14-F39	PIPE TO VALVE	C-F-2	CS	ISI-I-14-2B	MT UT	96-M-022
						96-E-025
						96-E-028
						96-C-026
EB-23-3-1B	RED. ELBOW TO PIPE	C-F-2	HPCI	ISI-I-23-5	MT UT	96-E-087
						96-E-090
						96-U-204
						96-E-195
						96-M-203
						96-M-080
EB-23-F35	PUMP TO RED. ELBOW	C-F-2	HPCI	ISI-I-23-5	MT UT	96-E-082
						96-E-084
						96-E-086
						96-M-079
						96-E-089
HD-13-1-3D	PIPE TO TEE	C-F-2	RCIC	ISI-I-13-2	MT UT	96-M-029
						96-C-034
						96-E-035
						96-E-032
						96-C-031
GB-10-17-3A-I	TEE TO PIPE	C-F-2	RHR	ISI-I-10-3A	MT UT	96-C-061
						96-E-067

Table 1

**ISI EXAMINATIONS PERFORMED ON-LINE PRIOR TO RFO 11**  
by Boston Edison Company

COMPONENT	DESCRIPTION	CATEGORY	SYSTEM	ISOMETRIC	EXAM	DATA SHEETS
						96-M-059
						96-C-065
						96-E-063
GB-10-18-4B	PIPE TO WELDOLET	C-F-2	RHR	ISI-I-10-3A	MT UT	96-M-016
						96-C-017
						96-E-020
						96-C-019
						96-E-018
HB-10-1-10B	ELBOW TO PIPE	C-F-2	RHR	ISI-I-10-1B	MT UT	96-E-044
						96-M-037
						96-C-039
						96-U-012
						96-C-042
						96-M-038
						96-M-013
						96-E-041
HB-10-3-1E	TEE TO REDUCER	C-F-2	RHR	ISI-I-10-1B	MT UT	96-C-046
						96-E-049
						96-M-045
						96-E-047
						96-C-048
HB-10-3-1F	REDUCER TO ELBOW	C-F-2	RHR	ISI-I-10-1B	MT UT	96-E-066
						96-E-062
						96-C-061

Table 1

ISI EXAMINATIONS PERFORMED ON-LINE PRIOR TO RFO 11  
by Boston Edison Company

COMPONENT	DESCRIPTION	CATEGORY	SYSTEM	ISOMETRIC	EXAM	DATA SHEETS
						96-M-058
						96-C-065
HB-10-3-2F	TEE TO PIPE	C-F-2	RHR	ISI-I-10-2A	MT UT	96-E-190
						96-E-189
						96-C-061
						96-M-188
						96-C-065
HB-10-F79	VALVE TO ELBOW	C-F-2	RHR	ISI-I-10-1C	MT UT	96-M-030
						96-C-031
						96-E-033
						96-E-036
HB-10-F92	PIPE TO ELBOW	C-F-2	RHR	ISI-I-10-1B	MT UT	96-E-043
						96-U-012
						96-M-038
						96-M-037
						96-C-039
						96-E-040
						97-M-013
						96-C-042

CATEGORY

HE-30-10PS	STANCHION	D-B	RBCCW	ISI-I-30-1SH2	VT-3	VT-30-96008
HE-30-11PS	STANCHION	D-B	RBCCW	ISI-I-30-1SH1	VT-3	VT-30-96004
HE-30-121PS	STANCHION	D-B	RBCCW	ISI-I-30-1SH1	VT-3	VT-30-96006
HE-30-437PS	STANCHION	D-B	RBCCW	ISI-I-30-1SH1	VT-3	VT-30-96007
HE-30-52PS	STANCHION	D-B	RBCCW	ISI-I-30-1SH2	VT-3	VT-30-96014

Table 1

**ISI EXAMINATIONS PERFORMED ON-LINE PRIOR TO RFO 11**  
by Boston Edison Company

COMPONENT	DESCRIPTION	CATEGORY	SYSTEM	ISOMETRIC	EXAM	DATA SHEETS
HE-30-66PS	STANCHION	D-B	RBCCW	ISI-I-30-1SH1	VT-3	VT-30-96010
HE-30-67PS	STANCHION	D-B	RBCCW	ISI-I-30-1SH1	VT-3	VT-30-96011
HE-30-68PS	STANCHION	D-B	RBCCW	ISI-I-30-1SH1	VT-3	VT-30-96012
HE-30-69PS	STANCHION	D-B	RBCCW	ISI-I-30-1SH1	VT-3	VT-30-96017
HE-30-99PS	STANCHION	D-B	RBCCW	ISI-I-30-1SH2	VT-3	VT-30-96013
<b>CATEGORY</b>						
H-14-1-10	RIGID HANGER	F-A	CS	ISI-I-14-2B	VT-3	VT-14-96002
H-14-1-4SH	RIGID HANGER	F-A	CS	ISI-I-14-2A	VT-3	VT-14-96001
H-23-1-11	SPRING HANGER	F-A	HPCI	ISI-I-23-2	VT-3	VT-23-96001
H-23-1-16S	LATERAL RESTRAINT	F-A	HPCI	ISI-I-23-2	VT-3	VT-23-96002
H-23-1-8	SPRING HANGER	F-A	HPCI	ISI-I-23-2	VT-3	VT-23-96003
H-30-1-11SA	ANCHOR	F-A	RBCCW	ISI-I-30-1SH1	VT-3	VT-30-96003
H-30-1-437	RIGID HANGER	F-A	RBCCW	ISI-I-30-1SH1	VT-3	VT-30-96005
H-30-1-67	RIGID HANGER	F-A	RBCCW	ISI-I-30-2SH1	VT-3	VT-30-96009
H-30-1-69SA/350	ANCHOR	F-A	RBCCW	ISI-I-30-2SH1	VT-3	VT-30-96016
H-30-1-99	RIGID HANGER	F-A	RBCCW	ISI-I-30-2SH2	VT-3	VT-30-96015
H-13-1-30	RIGID SUPPORT	F-A	RCIC	ISI-I-13-3	VT-3	VT-13-96002
H-13-1-32	SPRING HANGER	F-A	RCIC	ISI-I-13-3	VT-3	VT-13-96003
H-10-1-101S	RIGID HANGER	F-A	RHR	ISI-I-10-5BSH2	VT-3	VT-10-96009
H-10-1-102S	LATERAL RESTRAINT	F-A	RHR	ISI-I-10-5BSH2	VT-3	VT-10-96010
H-10-1-160	RIGID HANGER	F-A	RHR	ISI-I-10-5BSH2	VT-3	VT-10-96006
H-10-1-17SS	RIGID HANGER	F-A	RHR	ISI-I-10-1C	VT-3	VT-10-96004
H-10-1-180	RIGID HANGER	F-A	RHR	ISI-I-10-4ASH2	VT-3	VT-10-96003

Table 1

ISI EXAMINATIONS PERFORMED ON-LINE PRIOR TO RFO 11  
by Boston Edison Company

COMPONENT	DESCRIPTION	CATEGORY	SYSTEM	ISOMETRIC	EXAM	DATA SHEETS
H-10-1-182	SPRING HANGER	F-A	RHR	ISI-I-10-1C	VT-3	VT-10-96005
H-10-1-4SR	LATERAL RESTRAINT	F-A	RHR	ISI-I-10-3A	VT-3	VT-10-96002
H-10-1-76	RIGID HANGER	F-A	RHR	ISI-I-10- 5BSH1	VT-3	VT-10-96008
H-10-1-81	RIGID HANGER	F-A	RHR	ISI-I-10- 4BSH1	VT-3	VT-10-96007
H-10-1-E207A	HX SUPPORT	F-A	RHR	ISI-E207A	VT-3	VT-10-96001

Table 2

**ISI EXAMINATIONS PERFORMED DURING RFO 11**  
by General Electric

COMPONENT	DESCRIPTION	CATEGORY	SYSTEM	ISOMETRIC	EXAM
RPV-HF-0-120	HEAD TO FLANGE	B-A	RPV	ISI-I-54-2	MT UT
RPV-SF-0-120	SHELL TO FLANGE	B-A	RPV	ISI-I-54-1	UT
RPV-TH-M1	MERID HEAD WELD 0	B-A	RPV	ISI-I-54-2	UT
RPV-TH-M2	MERID HEAD WELD 45	B-A	RPV	ISI-I-54-2	UT
RPV-TH-M3	MERID HEAD WELD 90	B-A	RPV	ISI-I-54-2	UT
<b>CATEGORY</b>					
RPV-N3A-NIR	NOZZLE INNER RADIUS	B-D	RPV	ISI-I-54-1	UT
RPV-N3A-NV	NOZZLE TO VESSEL	B-D	RPV	ISI-I-54-1	UT
RPV-N3B-NIR	NOZZLE INNER RADIUS	B-D	RPV	ISI-I-54-1	UT
RPV-N3B-NV	NOZZLE TO VESSEL	B-D	RPV	ISI-I-54-1	UT
RPV-N3C-NIR	NOZZLE INNER RADIUS	B-D	RPV	ISI-I-54-1	UT
RPV-N3C-NV	NOZZLE TO VESSEL	B-D	RPV	ISI-I-54-1	UT
RPV-N3D-NIR	NOZZLE INNER RADIUS	B-D	RPV	ISI-I-54-1	UT
RPV-N3D-NV	NOZZLE TO VESSEL	B-D	RPV	ISI-I-54-1	UT
RPV-N6A-NIR	NOZZLE INNER RADIUS	B-D	RPV	ISI-I-54-1	UT
RPV-N6A-NV	NOZZLE TO VESSEL	B-D	RPV	ISI-I-54-1	UT
<b>CATEGORY</b>					
14-A-10A	VALVE TO PIPE	B-F	CS	ISI-I-14-1	PT UT
1-A-1	NOZZLE TO SAFE END	B-F	RPV	ISI-I-1-SH1	MT UT
1-B-1	NOZZLE TO SAFE END	B-F	RPV	ISI-I-1-1SH1	MT UT
1-C-1	NOZZLE TO SAFE END	B-F	RPV	ISI-I-1-1SH1	MT UT
1-D-1	NOZZLE TO SAFE END	B-F	RPV	ISI-I-1-1SH1	MT UT
14-A-1	SAFE END TO NOZZLE	B-F	RPV	ISI-I-14-1	PT UT
2R-N2G-1	SAFE END TO NOZZLE	B-F	RPV	ISI-I-2R-B	PT UT
2R-N2H-1	SAFE END TO NOZZLE	B-F	RPV	ISI-I-2R-B	PT UT
2R-N2K-1	SAFE END TO NOZZLE	B-F	RPV	ISI-2R-B	PT UT

Table 2

**ISI EXAMINATIONS PERFORMED DURING RFO 11**  
by General Electric

COMPONENT	DESCRIPTION	CATEGORY	SYSTEM	ISOMETRIC	EXAM
RPV-N14-1	SAFE END TO NOZZLE	B-F	RPV	ISI-I-11-1	PT
RPV-N9B-1	NOZZLE TO SAFE END	B-F	RPV	ISI-I-54-4	PT UT
<b>CATEGORY</b>					
RPV-CB-1-18	CLOSURE BUSHINGS	B-G-1	RPV	ISI-I-54-2	VT-1
RPV-CHN-1-18	CLOSURE HEAD NUTS	B-G-1	RPV	ISI-I-54-2	MT
RPV-CS-1-18	CLOSURE STUDS	B-G-1	RPV	ISI-I-54-2	UT
RPV-CW-1-18	CLOSURE WASHERS	B-G-1	RPV	ISI-I-54-2	VT-1
RPV-FT-1-18	THREADS IN FLANGE	B-G-1	RPV	ISI-I-54-2	UT
<b>CATEGORY</b>					
6-VB-57A	VALVE BOLTING	B-G-2	FW	ISI-I-6-1	VT-1
6-VB-57B	VALVE BOLTING	B-G-2	FW	ISI-I-6-1	VT-1
23-VB-2301-4	VALVE BOLTING	B-G-2	HPCI	ISI-I-23-1	VT-1
1-VB-203-1A	VALVE BOLTING <2'	B-G-2	MS	ISI-I-1-1SH2	VT-1
1-VB-203-1B	VALVE BOLTING <2'	B-G-2	MS	ISI-I-1-1SH2	VT-1
1-VB-203-1C	VALVE BOLTING <2'	B-G-2	MS	ISI-I-1-1SH2	VT-1
1-VB-203-1D	VALVE BOLTING <2'	B-G-2	MS	ISI-I-1-1SH2	VT-1
1-VB-203-2A	VALVE BOLTING <2'	B-G-2	MS	ISI-I-1-1SH2	VT-1
1-VB-203-2B	VALVE BOLTING <2'	B-G-2	MS	ISI-I-1-1SH2	VT-1
2-VB-202-4A	VALVE BOLTING	B-G-2	RECIRC	ISI-I-2R-A	VT-1
RPV-FB-N7A	FLANGE BOLTING	B-G-2	RPV	ISI-I-54-4	VT-1
RPV-FB-N7B	FLANGE BOLTING	B-G-2	RPV	ISI-I-54-4	VT-1
RPV-FB-N8	FLANGE BOLTING	B-G-2	RPV	ISI-I-54-4	VT-1
12-VB-1201-2	VALVE BOLTING	B-G-2	RWCU	ISI-I-12-1SH1	VT-1
<b>CATEGORY</b>					
RPV-SBW-0	RPV STABILIZER WELD	B-H	RPV	ISI-I-54-1	MT
RPV-SBW-180	RPV STABILIZER WELD	B-H	RPV	ISI-I-54-1	MT

Table 2

**ISI EXAMINATIONS PERFORMED DURING RFO 11  
by General Electric**

COMPONENT	DESCRIPTION	CATEGORY	SYSTEM	ISOMETRIC	EXAM
RPV-SBW-270	RPV STABILIZER WELD	B-H	RPV	ISI-I-54-1	MT
RPV-SBW-90	RPV STABILIZER WELD	B-H	RPV	ISI-I-54-1	MT
<b>CATEGORY</b>					
14-A-17	PIPE TO PENETRATION	B-J	CS	ISI-I-14-1	PT UT
14-A-18	PIPE TO PIPE	B-J	CS	ISI-I-14-1	PT UT
14-B-17	PIPE TO PENETRATION	B-J	CS	ISI-I-14-1	PT UT
14-B-18	ELBOW TO PIPE	B-J	CS	ISI-I-14-1	PT UT
14-B-19	PIPE TO ELBOW	B-J	CS	ISI-I-14-1	PT UT
14-B-20	PIPE TO PIPE	B-J	CS	ISI-I-14-1	PT UT
6-B-7	PIPE TO VALVE	B-J	FW	ISI-I-6-1	MT UT
6-N4B-8	ELBOW TO PIPE	B-J	FW	ISI-I-6-1	MT UT
6-N4C-9	ELBOW TO PIPE	B-J	FW	ISI-I-6-1	MT UT
23-O-10	VALVE TO ELBOW	B-J	HPCI	ISI-I-23-1	MT UT
23-O-9	PIPE TO VALVE	B-J	HPCI	ISI-I-23-1	MT UT
1-A-14	VALVE TO PIPE	B-J	MS	ISI-I-1-1SH2	MT UT
1-SD-8R	VALVE TO PIPE	B-J	MS	ISI-I-1-1SH2	MT
13-O-3	PIPE TO ELBOW	B-J	RCIC	ISI-I-13-1	MT
13-O-4	ELBOW TO PIPE	B-J	RCIC	ISI-I-13-1	MT
10R-IB-12	PENETRATION TO ELBOW	B-J	RHR	ISI-I-10-1	PT UT
12-O-29R	ELBOW TO PIPE	B-J	RWCU	ISI-I-12-1SH1	PT UT
12-O-30R	PIPE TO ELBOW	B-J	RWCU	ISI-I-12-1SH1	PT UT
12-O-31R	ELBOW TO PIPE	B-J	RWCU	ISI-I-12-1SH1	PT UT
12R-BC-6	PIPE TO ELBOW	B-J	RWCU	ISI-I-12-1SH2	PT
B-11-304	ELBOW TO PIPE	B-J	SBLC	ISI-I-11-1	PT
B-11-305	PIPE TO ELBOW	B-J	SBLC	ISI-I-11-1	PT



Table 2

**ISI EXAMINATIONS PERFORMED DURING RFO 11  
by General Electric**

COMPONENT	DESCRIPTION	CATEGORY	SYSTEM	ISOMETRIC	EXAM
<b>CATEGORY</b>					
RPV INTERIOR	VESSEL INTERIOR	B-N-1	RPV	N/A	VT-3
<b>CATEGORY</b>					
GB-14-2HL1(4)	SUPPORT LUGS	C-C	CS	ISI-I-14-2B	MT
EB-23-13HL1(4)	SUPPORT LUGS	C-C	HPCI	ISI-I-23-2	MT**
EB-23-59HL1(4)	SUPPORT LUGS	C-C	HPCI	ISI-I-23-2	MT**
EB-23-62HL1(4)	SUPPORT LUGS	C-C	HPCI	ISI-I-23-2	MT**
HB-23-75HL1(8)	SUPPORT LUGS	C-C	HPCI	ISI-I-23-3	MT**
HE-26-175HL1(1)	SUPPORT LUGS	C-C	HPCI	ISI-I-23-4	MT**
HB-13-F-HL1(2)	HANGER LUGS	C-C	HPCI	ISI-I-23-3	MT**
10-E207B-S1	HX SUPPORT LUGS	C-C	RHR	ISI-E207B	MT
10-E207B-S2	HX SUPPORT LUGS	C-C	RHR	ISI-E207B	MT
10-E207B-S3	HX SUPPORT LUGS	C-C	RHR	ISI-E207B	MT
10-E207B-S4	HX SUPPORT LUGS	C-C	RHR	ISI-E207B	MT
GB-10-117HL1(4)	SUPPORT LUGS	C-C	RHR	ISI-I-10-3A	MT
HL-10-200HL1(4)	SUPPORT LUGS	C-C	RHR	ISI-I-10-4ASH1	MT**
<b>CATEGORY</b>					
HL-10-4-2B	ELBOW TO PIPE	C-F-2	RHR	ISI-I-10-2A	MT UT
HL-10-F202	NOZZLE TO PIPE	C-F-2	RHR	ISI-I-10-2A	MT UT
<b>** Expanded scope exams</b>					
SLT RHR-13	PRESSURE BOUNDARY	C-H	RHR	ISI-I-10-1C	VT-2
<b>CATEGORY</b>					
H-6-1-102	SPRING HANGER	F-A	FW	ISI-I-6-1	VT-3
H-6-1-106	SPRING HANGER	F-A	FW	ISI-I-6-1	VT-3
H-23-1-12SS	SNUBBER	F-A	HPCI	ISI-I-23-3	VT-3

Table 2

**ISI EXAMINATIONS PERFORMED DURING RFO 11  
by General Electric**

COMPONENT	DESCRIPTION	CATEGORY	SYSTEM	ISOMETRIC	EXAM
H-1-1-22	RIGID HANGER	F-A	MS	ISI-I-1-1SH2	VT-3
H-1-1-HA2	SPRING HANGER	F-A	MS	ISI-I-1-1SH1	VT-3
H-1-1-SA1	SNUBBER	F-A	MS	ISI-I-1-1SH1	VT-3
H-1-1-SA2	SNUBBER	F-A	MS	ISI-I-1-1SH1	VT-3
H-2-1-H1	SPRING HANGER	F-A	RECIRC	ISI-I-2R-A	VT-3
H-2-1-H6	SPRING HANGER	F-A	RECIRC	ISI-I-2R-A	VT-3
H-2-1-H8	SPRING HANGER	F-A	RECIRC	ISI-I-2R-A	VT-3
H-10-1-SS19	SNUBBER	F-A	RHR	ISI-I-10-1	VT-3
H-54-1-SB0	PRV STABILIZER	F-A	RPV	ISI-I-54-1	VT-3
H-54-1-SB180	RPV STABILIZER	F-A	RPV	ISI-I-54-1	VT-3
H-54-1-SB270	RPV STABILIZER	F-A	RPV	ISI-I-54-1	VT-3
H-54-1-SB90	RPV STABILIZER	F-A	RPV	ISI-I-54-1	VT-3
H-12-1-11	SPRING HANGER	F-A	RWCU	ISI-I-12-1SH1	VT-3

Table 3

RFO 11 NONCONFORMANCE REPORTS

NCR NO.	DESCRIPTION	DISPOSITION	MR
97-090	Flaw in core spray weld SWIAN	Accept as is	19600303
97-091	Flaw in core spray SWIAS	Accept as is	19600303
97-092	Flaw in core spray SWIBN	Accept as is	19600303
97-093	Flaw in core spray SWIBS	Accept as is	19600303
97-068	Flaw in core spray SW8BN	Accept as is	19600303
97-086	Flaw in core spray SW8AN	Accept as is	19600303
97-106	Thin wall for E/C PT 196	Replace	19600692
97-108	Thin wall for E/C PT 186/187	Replace	19600687
97-064	GB-10-117HL1(4) linear indication	Repair	19600301
96-052	JF29-9-1 thin wall	Accept as is	19600286
97-105	Jet pump #6 swing gate unlatched	Accept as is	19600303
97-117	Jet pump #1,4,7,8,9,16 and 17 swing gates unlatched	Accept as is	19600303
97-124	Tack welds on steam dryer leveling screws @ 35° and 215° are cracked	Accept as is	19600303

TABLE 4

## PRESERVICE VISUAL EXAMS PERFORMED DURING 1997

DATASHEET	DESCRIPTION	SYSTEM	EXAM TYPE	DATE	MR
VT-1-97008	1-VI-203-4A INTERNALS	MS	VT-3	3/5/97	19601055
VT-10-97002	Temp Support FSKC-97-01-KALB-03	RHR	VT-3	2/11/97	19602324
VT-10-97012	H-10-1-SS21	RHR	VT-3	3/3/97	19600645
VT-10-97018	H-10-1-50SH	RHR	VT-3	2/23/97	19501915
VT-10-97019	1001-2A & 1001-2C CHK VALVES	RHR	VT-2	3/25/97	19602410
VT-10-97023	H-10-1-SG16	RHR	VT-3	4/9/97	19301461
VT-10-97024	H-10-SS25	RHR	VT-3	4/3/97	19600649
VT-10-97025	H-10-1-110	RHR	VT-3	2/22/97	19301736
VT-14-97001	H-14-1-18S	CS	VT-3	2/25/97	19600646
VT-23-97002	H-23-1-86	HPCI	VT-3	2/18/97	19600651
VT-23-97003	H-23-1-86	HPCI	VT-3	2/18/97	19600650
VT-29-97001	TEMP. SUPPORT FSKC-97-01-KAL	SSW	VT-3	1/28/97	19602273
VT-29-97002	TEMP. SUPPORT FSKC-97-01-KAL	SSW	VT-3	1/28/97	19602273
VT-29-97003	P-208C PWT	SSW	VT-2	2/7/97	19503415
VT-29-97004	E-122B CHANNEL HEAD	SSW	VT-2	2/8/97	19602273
VT-29-97005	E-209B Hx PWT	SSW	VT-2	2/28/97	19602272
VT-29-97006	- SSW 3822 VALVE	SSW	VT-2	3/1/97	P9402454
VT-29-97007	SSW 3838 VALVE	SSW	VT-2	3/1/97	P9402455
VT-29-97008	SSW 3833 VALVE	SSW	VT-2	3/1/97	P9402455
VT-29-97009	H-29-1-11	SSW	VT-3	3/7/97	19301734
VT-29-97010	E-122B CHANNEL HEAD	SSW	VT-2	3/13/97	19700390
VT-29-97011	'A' SSW TE-6242	SSW	VT-2	3/16/97	19602583
VT-29-97012	'A' SSW TE-3842	SSW	VT-2	3/16/97	19602642

TABLE 4

## PRESERVICE VISUAL EXAMS PERFORMED DURING 1997

DATASHEET	DESCRIPTION	SYSTEM	EXAM TYPE	DATE	MR
VT-29-97013	2" PIPING TO 29-HO-39A VALVE	SSW	VT-2	4/6/97	19503156
VT-29-97014	E-209A HX CHANNEL HEAD	SSW	VT-2	3/15/97	19602270
VT-30-97004	H-30-1-175	RBCCW	VT-3	3/6/97	19301735
97-V-215	B-G-2	MS	VT-1	3/6/97	19601055
97-V-376	B-G-2	MS	VT-1	4/4/97	19600734
97-V-270	B-G-2	RECIRC	VT-1	2/27/97	1960363 19602762
97-V-271	B-G-2	RECIRC	VT-1	2/27/97	1960262 19602762
97-V-299	B-G-2	RECIRC	VT-1	3/12/97	P9403213
97-V-301	B-G-2	RECIRC	VT-1	3/14/97	19602391
97-V-005	B-G-2	CRD	VT-1	1/29/97	N/A
97-V-006	B-G-2	CRD	VT-1	1/27/97	N/A
97-V-019	B-G-2	CRD	VT-1	2/26/97	N/A
97-V-030	B-G-2	CRD	VT-1	2/20/97	N/A
97-V-079	B-G-2	CRD	VT-1	2/21/97	N/A
97-V-188	B-G-2	CRD	VT-1	3/4/97	19600794

TABLE 5

## PRESERVICE VISUAL EXAMS PERFORMED DURING 1996

DATASHEET	DESCRIPTION	SYSTEM	EXAM TYPE	DATE	MR
VT-1-96002	SRV203-3B PILOT	MS	VT-2	4/24/96	19600190
VT-1-96003	SRV203-3B PILOT	MS	VT-3	4/16/96	19600190
VT-13-96001	PSD 1301-9	RCIC	VT-2	4/3/96	N/A, PNPS 8.5.5.1
VT-29-96001	29-HO-58	SSW	VT-2	9/17/96	19601977
VT-29-96003	29-HO-3871B	SSW	VT-2	9/29/96	19500321
VT-29-96004	29-HO-3972B	SSW	VT-2	9/29/96	19500316
VT-29-96005	E-209B HX	SSW	VT-2	9/29/96	19502034
VT-29-96006	29-HO-393OB	SSW	VT-2	9/29/96	19502394
VT-29-96007	29-HO-3B to 29-HO-5B	SSW	VT-2	10/15/96	19500319
VT-29-96009	P-208E SSW PUMP	SSW	VT-2	11/12/96	19503413
VT-30-96001	H-30-1-E209A	RBCCW	VT-3	3/15/96	19502512
VT-30-96002	H-30-1-E209B	RBCCW	VT-3	3/15/96	19502511
96-V-007	B-G-2	MS	VT-1	5/22/96	N/A

TABLE 6

## PRESERVICE VISUAL EXAMS PERFORMED DURING 1995

DATASHEET	DESCRIPTION	SYSTEM	EXAM TYPE	DATE	MR
VT-10-95050	28B VALVE 3/4" DRAIN	RHR	VT-2	9/28/95	19502914
VT-29-95021	2" VLV RPLMT AT P-208B	SSW	VT-2	12/21/95	19503377

TABLE 7

## VT-2 VISUAL EXAMS PERFORMED DURING 1997 SYSTEM PRESSURE TESTS

DATASHEET	COMPONENT	SYSTEM	EXAM TYPE	DATE	MR
VT-10-97004	SLT RHR-1	RHR	VT-2	2/16/97	N/A
VT-10-97005	SLT RHR-6	RHR	VT-2	2/16/97	N/A
VT-10-97006	SLT RHR-7	RHR	VT-2	2/16/97	N/A
VT-10-97007	SLT RHR-9	RHR	VT-2	2/19/97	N/A
VT-10-97008	SLT RHR-10	RHR	VT-2	2/19/97	N/A
VT-10-97009	SLT RHR-8	RHR	VT-2	2/19/97	N/A
VT-10-97010	SLT RHR-1, -11, -12, 13, -14	RHR	VT-2	2/25/97	S9604277
VT-10-97014	SLT RHR-2	RHR	VT-2	3/6/97	N/A
VT-10-97016	SLT RHR-3, -8	RHR	VT-2	3/6/97	N/A
VT-10-97017	SLT RHR-5	RHR	VT-2	3/13/97	N/A
VT-10-97020	SLT RHR-1	RHR	VT-2	3/17/97	N/A
VT-10-97021	SLT RHR-4	RHR	VT-2	3/15/97	N/A
VT-10-97022	SLT RHR-1	RHR	VT-2	3/13/97	N/A
VT-11-97001	SLT SLC-1, -2, -3, -4	SBLC	VT-2	2/27/97	N/A
VT-23-97004	SLT HPCI-2	HPCI	VT-2	1/16/97	N/A
VT-30-97001	SLT RBCCW-1	RBCCW	VT-2	2/21/97	N/A
VT-30-97002	SLT RBCCW-3	RBCCW	VT-2	2/16/97	N/A
VT-30-97003	SLT RBCCW-5	RBCCW	VT-2	2/16/97	N/A
VT-54-97005	ANNULUS DRAINS	RPV	VT-2	2/18/97	N/A
VT-54-97006	ANNULUS DRAINS	RPV	VT-2	3/13/97	N/A
VT-54-97007	CLASS 1 SYSTEM PRESSURE TEST	VARIOUS	VT-2	3/28/97	19602747
VT-54-97008	CLASS 1 SYSTEM PRESSURE TEST	VARIOUS	VT-2	3/28/97	19602747
VT-54-97009	CLASS 1 SYSTEM PRESSURE TEST	VARIOUS	VT-2	3/28/97	19602747



TABLE 7

## VT-2 VISUAL EXAMS PERFORMED DURING 1997 SYSTEM PRESSURE TESTS

DATASHEET	COMPONENT	SYSTEM	EXAM TYPE	DATE	MR
VT-54-97010	CLASS 1 SYSTEM PRESSURE TEST	VARIOUS	VT-2	3/28/97	19602747
VT-54-97011	CLASS 1 SYSTEM PRESSURE TEST	VARIOUS	VT-2	3/28/97	19602747
VT-54-97012	CLASS 1 SYSTEM PRESSURE TEST	VARIOUS	VT-2	3/28/97	19602747
VT-54-97013	CLASS 1 SYSTEM PRESSURE TEST	VARIOUS	VT-2	3/28/97	19602747
VT-54-97014	CLASS 1 SYSTEM PRESSURE TEST	VARIOUS	VT-2	3/28/97	19602747
VT-54-97015	CLASS 1 SYSTEM PRESSURE TEST	VARIOUS	VT-2	3/28/97	19602747
VT-54-97016	CLASS 1 SYSTEM PRESSURE TEST	VARIOUS	VT-2	3/28/97	19602747
VT-54-97017	CLASS 1 SYSTEM PRESSURE TEST	VARIOUS	VT-2	3/28/97	19602747
VT-54-97018	CLASS 1 SYSTEM PRESSURE TEST	VARIOUS	VT-2	3/28/97	19602747
VT-54-97019	CLASS 1 SYSTEM PRESSURE TEST	VARIOUS	VT-2	3/28/97	19602747
VT-54-97020	CLASS 1 SYSTEM PRESSURE TEST	VARIOUS	VT-2	3/28/97	19602747
VT-54-97021	CLASS 1 SYSTEM PRESSURE TEST	VARIOUS	VT-2	3/28/97	19602747
VT-54-97022	CLASS 1 SYSTEM PRESSURE TEST	VARIOUS	VT-2	3/28/97	19602747

TABLE 8

VT-2 VISUAL EXAMS PERFORMED DURING 1996 SYSTEM PRESSURE TESTS

DATASHEET	COMPONENT	SYSTEM	EXAM TYPE	DATE	MR
VT-29-96008	SLT SSW-2	SSW	VT-2	11/4/96	N/A
VT-30-96003	SLT RBCCW-6	RBCCW	VT-2	8/27/96	N/A
VT-30-96004	SLT RBCCW-2	RBCCW	VT-2	8/23/96	N/A
VT-30-96005	SLT RBCCW-1 & -7	RBCCW	VT-2	8/21/96	N/A
VT-30-96006	SLT RBCCW-11	RBCCW	VT-2	8/22/96	N/A
VT-30-96007	SLT RBCCW-3 & -10	RBCCW	VT-2	9/3/96	N/A

TABLE 9

## VT-2 VISUAL EXAMS PERFORMED DURING 1995 SYSTEM PRESSURE TESTS

DATASHEET	COMPONENT	SYSTEM	EXAM TYPE	DATE	MR
VT-10-95046	SLT RHR-1	RHR	VT-2	7/17/95	N/A
VT-10-95047	SLT RHR-8	RHR	VT-2	7/17/95	N/A
VT-10-95048	SLT RHR-1, 2	RHR	VT-2	7/14/95	N/A
VT-10-95049	SLT RHR-4, 6	RHR	VT-2	7/14/95	N/A
VT-14-95014	SLT CS-1	CS	VT-2	6/23/95	N/A
VT-14-95015	SLT CS-6	CS	VT-2	6/23/95	N/A
VT-14-95016	SLT CS-8	CS	VT-2	6/23/95	N/A
VT-14-95017	SLT CS-7	CS	VT-2	6/23/95	N/A
VT-14-95018	SLT CS-5	CS	VT-2	6/28/95	N/A
VT-14-95019	SLT CS-4	CS	VT-2	6/29/95	N/A
VT-14-95020	SLT CS-3	CS	VT-2	6/29/95	N/A
VT-14-95021	SLT CS-1, 2	CS	VT-2	6/29/95	N/A
VT-23-95015	HYDRO HPCI-6	HPCI	VT-2	6/5/95	19400658
VT-23-95016	HYDRO HPCI-6	HPCI	VT-2	6/5/95	19400658
VT-23-95017	HYDRO HPCI-6	HPCI	VT-2	6/5/95	19400658
VT-23-95018	SLT HPCI-2	HPCI	VT-2	6/19/95	N/A
VT-23-95019	SLT HPCI-3	HPCI	VT-2	6/8/95	N/A
VT-29-95017	SLT SSW-2	SSW	VT-2	7/12/95	N/A
VT-29-95018	SLT SSW-3	SSW	VT-2	7/12/95	N/A
VT-29-95019	SLT SSW-2	SSW	VT-2	7/12/95	N/A
VT-29-95020	SLT SSW-3	SSW	VT-2	7/12/95	N/A

**SECTION 2.0**

**NIS-1 AND NIS-2 CODE REPORTS**

**FOR**

**ASME XI REPAIRS AND REPLACEMENTS**

**FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS**  
 As required by the Provisions of the ASME Code Rules

1. Owner Boston Edison Company  
(Name and Address of Owner)
2. Plant Pilgrim Nuclear Power Station, RFD#1, Rocky Hill Rd., Plymouth  
(Name and Address of Plant) MA
3. Plant Unit #1 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 12-9-72 6. National Board Number for Unit 20763
7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Combustion Eng.	66107	66207	20763
Piping	Bechtel	N/A	N/A	N/A
_____	_____	_____	_____	_____
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Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 (back)

8. Examination Dates 6-5-95 to 3-29-97 9. Inspection Interval from 6-30-95 to 6-30-05
10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. See ISI Summary Report
11. Abstract of Conditions Noted. See ISI Summary Report
12. Abstract of Corrective Measures Recommended and Taken. See ISI Summary Report and NIS-2 Forms

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

Date 6/3 19 97 Signed Boston Edison By R. Henderson for TAV  
Owner QA Manager

Certificate of Authorization No. (if applicable) N/A Expiration Date \_\_\_\_\_

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of MASS and employed by Arkwright Mutual of Waltham, MA have inspected the components described in this Owners' Data Report during the period 6/5/95 to 3/29/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners' Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 6-9-1997

[Signature]  
Inspector's Signature

Commissions MA 1420

National Board, State, Province and No.

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Boston Edison Co Date 5/16/94  
Name  
800 Boylston Street, Boston MA Sheet 1 of 1  
Address
2. Plant Pilgrim Nuclear Power Station Unit 1  
Name  
600 Rocky Hill Road, Plymouth, MA 02360 MR 19401118  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Boston Edison Co Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
600 Rocky Hill Road, Plymouth, MA 02360 Expiration Date N/A  
Address
4. Identification of System Residual Heat Removal
5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition,        Addenda,        Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Support			N/A	H10-1-102SH		Repair	N/A

7. Description of Work Repair support per FRN 94-01-09
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure        psi Test Temp.        °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks THIS WAS A PFD 10 ITEM (C.G.)  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A  
Certificate of Authorization No. N/A Expiration Date \_\_\_\_\_  
Signed R Sheidan for TAV Date 6/3, 1997  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Mass and employed by Arkwright Mutual Ins. Co. of Waltham, Mass. have inspected the components described in this Owner's Reports during the period 6-5-95 to 3-29-97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions MA-1420  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 6-9-97



**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Boston Edison Co Date 3/14/97  
Name  
800 Boylston Street, Boston MA Sheet 1 of 2  
Address  
 2. Plant Pilgrim Nuclear Power Station Unit 1  
Name  
600 Rocky Hill Road, Plymouth, MA 02360 MR 19601060  
Address Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by Boston Edison Co Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
600 Rocky Hill Road, Plymouth, MA 02360 Expiration Date N/A  
Address  
 4. Identification of System Main Steam System

5. (a) Applicable Construction Code ASME III 19 68 Edition,      Addenda,      Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 82

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Safety Relief Valve	Target Rock	SRV Pilot Solenoid		RV-203-3B	1995	Rebuilt	Yes

\* See attached continuation sheet

7. Description of Work Replace nuts

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Four body to base nuts replaced with Target Rock spares supplied by BECo  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A  
Certificate of Authorization No. N/A Expiration Date \_\_\_\_\_  
Signed R. Heider for TAV Date 6/3, 1997  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Mass and employed by Arkwright Mutual Ins. Co. of Waltham, Mass. have inspected the components described in this Owner's Reports during the period 6-5-97 to 3-29-97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspection nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions MA-1420  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 6-9-1997

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Boston Edison Co Date 3/2/97  
Name  
800 Boylston Street, Boston MA Sheet 1 of 1  
Address

2. Plant Pilgrim Nuclear Power Station Unit 1  
Name  
600 Rocky Hill Road, Plymouth, MA 02360 MR 19700576  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Boston Edison Co Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
600 Rocky Hill Road, Plymouth, MA 02360 Expiration Date N/A  
Address

4. Identification of System RHR, M01001-29B, Safety Class 1 Valve

5. (a) Applicable Construction Code B31.1 19 67 Edition,        Addenda,        Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 82

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
MO 1001-29B Gate Valve	Anchor/Darling					Parts Replaced	No

7. Description of Work Replaced pressure boundary parts (disc, bolting)

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure        psi Test Temp.        °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached \_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date \_\_\_\_\_

Signed R Sheridan for TAV Date 6/3, 1997  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Mass and employed by Arkwright Mutual Ins. Co. of Waltham, Mass. have inspected the components described in this Owner's Reports during the period 6-5-95 to 3-29-97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspection nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions MA-1420  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 6-9-1997

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Boston Edison Co Date 7/12/96  
Name  
800 Boylston Street, Boston MA Sheet 1 of 1  
Address

2. Plant Pilgrim Nuclear Power Station Unit 1  
Name  
600 Rocky Hill Road, Plymouth, MA 02360 MR 19501362  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Boston Edison Co Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
600 Rocky Hill Road, Plymouth, MA 02360 Expiration Date N/A  
Address

4. Identification of System RHR

5. (a) Applicable Construction Code B.31.1 1967 Edition,      Addenda,      Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3" 300lb Gate Valve	Velan	N/A	N/A	MO-1001-18A	N/A	Replacement <i>(PARTS)</i>	No

7. Description of Work Replace valve disc.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure      psi Test Temp      °F

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FORM NIS-2 (Back)

9. Remarks replacement per PDC 96-10A

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date \_\_\_\_\_

Signed R. Sheridan for TAV Date 6/3, 1997  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Mass and employed by Arkwright Mutual Ins. Co. of Waltham, Mass. have inspected the components described in this Owner's Reports during the period 6-5-95 to 3-29-97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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[Signature] Commissions MA-1420  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 6-9-1997

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Boston Edison Co Date 3/11/97  
Name  
800 Boylston Street, Boston MA Sheet 1 of 1  
Address

2. Plant Pilgrim Nuclear Power Station Unit 1  
Name  
600 Rocky Hill Road, Plymouth, MA 02360 MR 19600301  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Boston Edison Co Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
600 Rocky Hill Road, Plymouth, MA 02360 Expiration Date N/A  
Address

4. Identification of System RHR, Safety Class 2

5. (a) Applicable Construction Code B 31.1 1967 Edition,      Addenda,      Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RHR Pipe				Weld # GB-10-117 HL1(4)		Repair	No

7. Description of Work Weld repair RHR pipe due to MT indication.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure      psi Test Temp.      °F

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FORM NIS-2 (Back)

9. Remarks Refer NCR 97-064

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date \_\_\_\_\_

Signed R Shevitar for TAV Date 6/3, 1997  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Mass and employed by Arkwright Mutual Ins. Co. of Waltham, Mass. have inspected the components described in this Owner's Reports during the period 6-5-95 to 3-29-97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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[Signature] Commissions MA-1420  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-9-1997



**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
As Required by the Provisions of the ASME Code Section XI

1. Owner Boston Edison Co Date 2/4/97  
Name  
800 Boylston Street, Boston MA Sheet 1 of 2  
Address

2. Plant Pilgrim Nuclear Power Station Unit 1  
Name  
600 Rocky Hill Road, Plymouth, MA 02360 MR 19600794  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Boston Edison Co Type Code Symbol Stamp N/A  
Name  
600 Rocky Hill Road, Plymouth, MA 02360 Authorization No. N/A  
Address Expiration Date N/A

4. Identification of System Control Rod Drive Unit

5. (a) Applicable Construction Code ASME III 19 67 Edition,      Addenda,      Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 82

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification <u>CRD</u> 14-35 02-27 18-15	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>CRD</u>	<u>Rebuilt by BeCo</u>			<u>02-18</u> <u>30-03</u> <u>30-15</u>	<u>1995</u>	<u>Rebuilt</u>	<u>Yes</u>
				<u>38-47</u> <u>34-07</u> <u>14-03</u>			
				<u>10-15</u> <u>22-27</u> <u>26-47</u>			
				<u>42-15</u> <u>38-08</u>			
				<u>18-19</u>			

\*See attached continuation sheet

7. Description of Work Exchange CRD, replace cap screw.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure Class 1 leak check per Test Temp.      °F  
 An In-service inspection shall be performed of the assembly CRD unit when used in the vessel with no visible leaks allowed - VT-2 examination.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date \_\_\_\_\_

Signed R. Sheridan for TAV Date 6/3, 1997  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Mass and employed by Arkwright Mutual Ins. Co. of Waltham, Mass. have inspected the components described in this Owner's Reports during the period 6-5-97 to 3-29-97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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[Signature] Commissions MA-1420  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-9-1997

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
As Required by the Provisions of the ASME Code Section XI

1. Owner Boston Edison Co Date 2/31/97  
Name  
800 Boylston Street, Boston MA  
Address

Sheet 1 of 1

2. Plant Pilgrim Nuclear Power Station Unit 1  
Name  
600 Rocky Hill Road, Plymouth, MA 02360  
Address MR 197000296 & 19600577  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Boston Edison Co Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
600 Rocky Hill Road, Plymouth, MA 02360 Expiration Date N/A  
Address

4. Identification of System Recirculation System

5. (a) Applicable Construction Code ASME III 19 89 Edition, 89 Addenda        Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Recirc. Pump	Bryon Jackson	Pump 201 A and B		Decon Flange		Replacement	No

7. Description of Work Replace decon flange studs and nuts.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Refer to FRN 96-01-158 and 97-01-25  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date \_\_\_\_\_

Signed R. Sheridan for TAV Date 6/3, 1997  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Mass and employed by Arkwright Mutual Ins. Co. of Waltham, Mass. have inspected the components described in this Owner's Reports during the period 6-5-95 to 3-29-97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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[Signature] Commissions MA-1420  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-9-1997

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Boston Edison Co Date 3/14/97  
Name  
800 Boylston Street, Boston MA  
Address

Sheet 1 of 1

2. Plant Pilgrim Nuclear Power Station Unit 1  
Name  
600 Rocky Hill Road, Plymouth, MA 02360  
Address MR 19602410  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Williams Power Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Address Expiration Date N/A

4. Identification of System RHR

5. (a) Applicable Construction Code B31.1 19 67 Edition,      Addenda,      Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Check Valve	Anchor/Darling	ADV #W9324070		1001-2 A/C		Replaced (PARTS)	No

7. Description of Work Replace check valves and nipple

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure      psi Test Temp.      °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks FRN 97-01-13.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date \_\_\_\_\_

Signed R. Sheider for TAV Date 6/3, 1997  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Mass and employed by Arkwright Mutual Ins. Co. of Waltham, Mass. have inspected the components described in this Owner's Reports during the period 6-5-95 to 3-29-97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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[Signature] Commissions MA-1420  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-9-1997

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Boston Edison Co  
Name  
800 Boylston Street, Boston MA  
Address

Date 5/30/96  
 Sheet 1 of 1

2. Plant Pilgrim Nuclear Power Station  
Name  
600 Rocky Hill Road, Plymouth, MA 02360  
Address

Unit 1  
MR 19601057  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Boston Edison Co  
Name  
600 Rocky Hill Road, Plymouth, MA 02360  
Address

Type Code Symbol Stamp N/A  
 Authorization No N/A  
 Expiration Date N/A

4. Identification of System Main Steam System

5. (a) Applicable Construction Code ASME III 1968 Edition,        Addenda,        Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Safety Relief Valve	Dresser	BK 6309		RV-203-4A	1995	Replacement	Yes

7. Description of Work Replace existing RV (BK 6302) with recertified RV (By Wyle Lab) BK 6309.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure        psi Test Temp.        °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date \_\_\_\_\_

Signed R. Sheridan for TAV Date 6/8, 1997  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Mass and employed by Arkwright Mutual Ins. Co. of Waltham, Mass. have inspected the components described in this Owner's Reports during the period 1-5-95 to 3-29-97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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[Signature] Commissions MA-1420  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 6-9-1997



**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Boston Edison Co Date 5/13/97  
Name  
800 Boylston Street, Boston MA Sheet 1 of 1  
Address

2. Plant Pilgrim Nuclear Power Station Unit 1  
Name  
600 Rocky Hill Road, Plymouth, MA 02360 MR 195001788  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Boston Edison Co and Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Welding Services Inc Expiration Date N/A  
Address

4. Identification of System RHR

5. (a) Applicable Construction Code B31.1 19 67 Edition,        Addenda,        Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Support at Valve 10-CK-1001-2A	BeCo				1997	Repair	No

7. Description of Work Modify and re-install new pipe support at valve 10-CK-1001-2A per FRN 97-01-61.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure        psi Test Temp.        °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Boston Edison Co Date 5/1/96  
Name  
800 Boylston Street, Boston MA  
Address

Sheet 1 of 1

2. Plant Pilgrim Nuclear Power Station Unit 1  
Name  
600 Rocky Hill Road, Plymouth, MA 02360  
Address

MR 19501915  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Boston Edison Co Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
600 Rocky Hill Road, Plymouth, MA 02360 Expiration Date N/A  
Address

4. Identification of System Residual Heat Removal

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition,          Addenda,          Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Support			N/A	H10-1-50SH		Repair	N/A

7. Description of Work Add stiffener plates between flanges of supplementary support beam

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure          psi Test Temp.          °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

Applicable Manufacturer's Data Reports to be attached \_\_\_\_\_

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

N/A

Certificate of Authorization No. \_\_\_\_\_

N/A

Expiration Date \_\_\_\_\_

Signed \_\_\_\_\_

*R. Sheridan for TAV*  
Owner or Owner's Designee, Title

Date \_\_\_\_\_

6/3

1997

**CERTIFICATE OF INSERVICE INSPECTION**  
**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Mass and employed by Arkwright Mutual Ins. Co. of Waltham, Mass. have inspected the components described in this Owner's Reports during the period 6-5-95 to 3-29-97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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*[Signature]*

Inspector's Signature

Commissions MA-1420

National Board, State, Province, and Enclorserments

Date \_\_\_\_\_

6-9-1997

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Boston Edison Co Date 1/24/96  
Name  
800 Boylston Street, Boston MA Sheet 1 of 1  
Address
2. Plant Pilgrim Nuclear Power Station Unit 1  
Name  
600 Rocky Hill Road, Plymouth, MA 02360 MR 19503321  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Boston Edison Co Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
600 Rocky Hill Road, Plymouth, MA 02360 Expiration Date N/A  
Address
4. Identification of System RCIC
5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition,          Addenda,          Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 82
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RCIC Rupture Disc	E3&B	"DV"		PSD 1301-9	1995	Replace	No

7. Description of Work Replace RCIC rupture disc, PSD 1301-9 with an improved design per FRJ 95-03-157.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure          psi Test Temp          °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks PSD 1301-9 replaced per FRN 95-03-157. Rupture Disc meets ASME Section III Class-I burst test certification.  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date \_\_\_\_\_

Signed R. Sheridan for TAV Date 6/3, 1997  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Mass and employed by Arkwright Mutual Ins. Co. of Waltham, Mass. have inspected the components described in this Owner's Reports during the period 6-5-95 to 3-29-97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspection nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions MA-1420  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-9-1997

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
As Required by the Provisions of the ASME Code Section XI

1. Owner Boston Edison Co Date 3/14/97  
Name  
800 Boylston Street, Boston MA Sheet 1 of 1  
Address

2. Plant Pilgrim Nuclear Power Station Unit 1  
Name  
600 Rocky Hill Road, Plymouth, MA 02360 MR 19600734  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Boston Edison Co Type Code Symbol Stamp N/A  
Name  
600 Rocky Hill Road, Plymouth, MA 02360 Authorization No. N/A  
Address Expiration Date N/A

4. Identification of System Main Steam

5. (a) Applicable Construction Code ASME III 19 68 Edition, S 1970 Addenda, \_\_\_\_\_ Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SRV RV-203-3C	Target Rock	117		Main Stage (SRV)	1968	Replace (PARTS - SEE Item # 9)	Yes

7. Description of Work Replace nuts

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Four body to base nuts replaced with Target Rock spares supplied by BeCo.  
Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI  
repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date \_\_\_\_\_

Signed R. Sheridan for TAV Date 6/3, 1997  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Mass and employed by Arkwright Mutual Ins. Co. of Waltham, Mass. have inspected the components described in this Owner's Reports during the period 6-5-95 to 3-29-97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions MA-1420  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-9-1997



**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
As Required by the Provisions of the ASME Code Section XI

1. Owner Boston Edison Co Date 4/11/95  
Name  
800 Boylston Street, Boston MA Sheet 1 of 1  
Address

2. Plant Pilgrim Nuclear Power Station Unit 1  
Name  
600 Rocky Hill Road, Plymouth, MA 02360 MR 19501162  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Boston Edison Co Type Code Symbol Stamp N/A  
Name  
600 Rocky Hill Road, Plymouth, MA 02360 Authorization No. N/A  
Address Expiration Date N/A

4. Identification of System Feedwater  
5. (a) Applicable Construction Code ANSI B.31.1 1967 Edition,      Addenda,      Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
H6-1-SS2A Snubber						Repair	No
Bolt with stud						Replaced	No

7. Description of Work Modify H6-1-SS2A per FRN 95-01-25 & 30

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure      psi Test Temp.      \*F  
Visual of Welds

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_ N/A

Certificate of Authorization No. \_\_\_\_\_ N/A Expiration Date \_\_\_\_\_

Signed R. Sheridan for TAV Date 6/3, 1997  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Mass and employed by Arkwright Mutual Ins. Co. of Waltham, Mass. have inspected the components described in this Owner's Reports during the period 6-5-95 to 3-29-97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspection nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions MA-1420  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-9-97

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
As Required by the Provisions of the ASME Code Section XI

1. Owner Boston Edison Co Date 3/11/97  
Name  
800 Boylston Street, Boston MA Sheet 1 of 1  
Address
2. Plant Pilgrim Nuclear Power Station Unit 1  
Name  
600 Rocky Hill Road, Plymouth, MA 02360 MR 19600461  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Boston Edison Co Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
600 Rocky Hill Road, Plymouth, MA 02360 Expiration Date N/A  
Address
4. Identification of System MO-1400-4A, Core Spray, S.C.2
5. (a) Applicable Construction Code ANSI B31.1 1967 Edition,          Addenda,          Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1982
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve MO-1400-4A					1970	Replace Bolting	No

7. Description of Work Replace bonnet bolting
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure          psi Test Temp.          \*F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Bolting replaced

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF CONFORMANCE

We certify that the statements made in the report are correct and repair or replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date \_\_\_\_\_

Signed R. Sheridan for TAV Date 6/3, 1997  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of MASS and employed by Arkwright Mutual Ins. Co. of Waltham, Mass. have inspected the components described in this Owner's Reports during the period 6-5-97 to 3-29-97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]  
Inspector's Signature

Commissions MA-1420  
National Board, State, Province, and Endorsements

Date 6-9-1997

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Boston Edison Co Date 5/16/97  
Name  
800 Boylston Street, Boston MA  
Address

Sheet 1 of 1

2. Plant Pilgrim Nuclear Power Station Unit 1  
Name  
600 Rocky Hill Road, Plymouth, MA 02360  
Address MR 19600712 & 19600811  
Repair Organization P.O. No., Job No.

3. Work Performed by Boston Edison Co and Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Welding Services Inc Expiration Date N/A  
Address

4. Identification of System Core Spray, RHR, Containment

5. (a) Applicable Construction Code ASME III 19 77 Edition, 78 Summer Addenda          Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Defect Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Torus	CB&I	G 1403		Penetration X-212		Repaired	No
Torus	CB&I	G 1403		Penetration X-214		Repaired	No
Torus	CB&I	G 1403		Penetration X-215		Repaired	No
Torus	CB&I	G 1403		Penetration X-218		Repaired	No

7. Description of Work Installation of strainers required torus nozzle modification by welding.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure          psi Test Temp.          °F  
 \*\* 10CFR50 App. J. Leak Rate

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/82) This form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

\*Code Edition per NUREG-0661 and MK 1 containment program.  
 Original construction code is ASME III Class B 1965 edition through June 9, 1967 Addenda.

FORM NIS-2 (Back)

9. Remarks Refer to MR 19600812, MR 19600811, and PDC 96-32. RT examination of welds performed  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date \_\_\_\_\_

Signed R Sheridan for TAV Date 6/3, 1997  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Mass and employed by Arkwright Mutual Ins. Co. of Waltham, Mass. have inspected the components described in this Owner's Reports during the period 6-5-95 to 3-29-97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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[Signature] Commissions MA-1420  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 6-9-1997

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Boston Edison Co Date 10/22/96  
Name  
800 Boylston Street, Boston MA  
Address

Sheet 1 of 1

2. Plant Pilgrim Nuclear Power Station Unit 1  
Name  
600 Rocky Hill Road, Plymouth, MA 02360  
Address

MR 19600807  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Boston Edison Co Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
600 Rocky Hill Road, Plymouth, MA 02360 Expiration Date N/A  
Address

4. Identification of System Main Steam System

5. (a) Applicable Construction Code ASME III 19 80 Edition, 82 Addenda, — Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
MSIV	Atwood & Morrill			AO-203-2C	1982	Replace (PARTS - SEE ITEM # 9)	Yes

7. Description of Work Replace poppet assembly.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other:  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Replace poppet assembly with new assembly supplied by Atwood & Morrill. Replaced packing with live load style, cui and capped packing leak off-line  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date \_\_\_\_\_

Signed R Sheridan for TAV Date 6/3, 1997  
Owner or Owner's Designee, Title

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Mass and employed by Arkwright Mutual Ins. Co. of Waltham, Mass. have inspected the components described in this Owner's Report during the period 6-5-95 to 3-29-97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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[Signature]  
Inspector's Signature

Commissions MA-1420  
National Board, State, Provincial, and Endorsements

Date 6-9-1997



**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Boston Edison Co Date 5/14/96  
Name  
800 Boylston Street, Boston MA Sheet 1 of 1  
Address

2. Plant Pilgrim Nuclear Power Station Unit 1  
Name  
600 Rocky Hill Road, Plymouth, MA 02360 MR 19601061  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Boston Edison Co Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
600 Rocky Hill Road, Plymouth, MA 02360 Expiration Date N/A  
Address

4. Identification of System Main Steam System

5. (a) Applicable Construction Code ASME III 1968 Edition,      Addenda,      Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SRV Pilot Main Stage	Target Rock			RV-203-3C		Replacement	Yes

7. Description of Work Install spare SRV pilot

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure      psi Test Temp.      °F

NOTE: SRV set pressures are calibrated by the vendor per Tech. Spec., no additional testing is required.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A  
Certificate of Authorization No. N/A Expiration Date \_\_\_\_\_  
Signed R. Sheridan Date 6/3, 1997  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Mass and employed by Arkwright Mutual Ins. Co. of Waltham, Mass. have inspected the components described in this Owner's Reports during the period 6-5-95 to 3-29-97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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[Signature] Commissions MA-1420  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 6-9-1997

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Boston Edison Co Date 2/24/97  
Name  
800 Boylston Street, Boston MA  
Address

Sheet 1 of 1

2. Plant Pilgrim Nuclear Power Station Unit 1  
Name  
600 Rocky Hill Road, Plymouth, MA 02360  
Address

MR P9401325  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Boston Edison Co Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
600 Rocky Hill Road, Plymouth, MA 02360 Expiration Date N/A  
Address

4. Identification of System Residual Heat Removal  
USAS

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition,        Addenda N-2, N-10 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RHR LPCI Injection	Rockwell Edward Valves	—	—	N277SP66, M3ZS-18"	1969	Replace Internals	NO
Check Valve 1001-68B	Inc						

7. Description of Work Replace disc, hinge pins, and bushings lap seat per FRN 97-01-41.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure        psi Test Temp.        °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Refer to FRN 97-01-41 for ASME Code Section XI input to repair/replacement plan.  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date \_\_\_\_\_

Signed R. Sheridan for TAV Date 6/3, 1997  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Mass and employed by Arkwright Mutual Ins. Co. of Waltham, Mass. have inspected the components described in this Owner's Reports during the period 6-5-95 to 3-29-97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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[Signature] Commissions MA-1420  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 6-9-1997

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Boston Edison Co Date 2/14/97  
Name  
800 Boylston Street, Boston MA  
Address  
 2. Plant Pilgrim Nuclear Power Station Sheet 1 of 1  
Name  
600 Rocky Hill Road, Plymouth, MA 02360 Unit 1  
Address MR 19600651  
Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by Boston Edison Co Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
600 Rocky Hill Road, Plymouth, MA 02360 Expiration Date N/A  
Address

4. Identification of System High Pressure Coolant Injection  
 5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition,        Addenda,        Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber SS-23-20-40	Bergen-Paterson	201				Replaced	No
Snubber SS-23-20-40	Anchor/Engineering	478				Replacement	No

7. Description of Work Remove and replace snubber IAW MR 19600651 work instruction and procedure 3.M.4-89

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 " Other  Pressure        psi Test Temp.        °F  
 ← PSI-VT

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FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A  
Certificate of Authorization No. N/A Expiration Date \_\_\_\_\_  
Signed R. Skindas for TAV Date 6/3, 1997  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Mass and employed by Arkwright Mutual Ins. Co. of Waltham, Mass. have inspected the components described in this Owner's Reports during the period 1-5-95 to 3-29-97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions MA-1420  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 6-9-1997

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
As Required by the Provisions of the ASME Code Section XI

1. Owner Boston Edison Co Date 2/17/97  
Name  
800 Boylston Street, Boston MA Sheet 1 of 1  
Address

2. Plant Pilgrim Nuclear Power Station Unit 1  
Name  
600 Rocky Hill Road, Plymouth, MA 02360 MR 19600646  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Boston Edison Co Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
600 Rocky Hill Road, Plymouth, MA 02360 Expiration Date N/A  
Address

4. Identification of System Core Spray

5. (a) Applicable Construction Code USAS B31.1 19 67 Edition,        Addenda,        Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber SS-14-3-04	Anchor/ Darling	450				Replaced	No
Snubber SS-14-3-04	Anchor/ Darling	482				Replacement	No

7. Description of Work Remove and replace snubber LAW MF. 19600646 work instruction and procedure 3.M.4-89

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 \* Other  Pressure        psi Test Temp.        \*F  
 \* PSI-VT

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

N/A

Certificate of Authorization No. \_\_\_\_\_

N/A

Expiration Date \_\_\_\_\_

Signed \_\_\_\_\_

R. Sheridan for TAV  
Owner or Owner's Designee, Title

Date \_\_\_\_\_

6/3

1997

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Mass and employed by Arkwright Mutual Ins. Co. of Waltham, Mass. have inspected the components described in this Owner's Reports during the period 6-5-95 to 3-29-97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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*[Signature]*  
Inspector's Signature

Commissions MA-1420

National Board, State, Province, and Endorsements

Date \_\_\_\_\_

6-9-1997



**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Boston Edison Co Date 2/14/97  
Name  
800 Boylston Street, Boston MA Sheet 1 of 1  
Address

2. Plant Pilgrim Nuclear Power Station Unit 1  
Name  
600 Rocky Hill Road, Plymouth, MA 02360 MR 19600650  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Boston Edison Co Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
600 Rocky Hill Road, Plymouth, MA 02360 Expiration Date N/A  
Address

4. Identification of System High Pressure Coolant Injection

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition,          Addenda,          Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber SS-23-20-41	Bergen-Paterson	200				Replaced	No
Snubber SS-23-20-41	Anchor/Darling	479				Replacement	No

7. Description of Work Remove and replace snubber IAW MR 1960065D work instruction and procedure 3.M.4-89.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 \* Other  Pressure          psi Test Temp.          °F  
 \* PSI-VT

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FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this repair or replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date

Signed R Sheridan for TAV  
Owner or Owner's Designee, Title

Date 6/3, 1997

CERTIFICATE OF INSERVICE INSPECTION

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[Signature]  
Inspector's Signature

Commissions MA-1420

National Board, State, Province, and Endorsements

Date 6-9-1997

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
As Required by the Provisions of the ASME Code Section XI

1. Owner Boston Edison Co Date 2/17/97  
Name  
800 Boylston Street, Boston MA  
Address

Sheet 1 of 1

2. Plant Pilgrim Nuclear Power Station Unit 1  
Name  
600 Rocky Hill Road, Plymouth, MA 02360  
Address MR 19600649  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Boston Edison Co Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
600 Rocky Hill Road, Plymouth, MA 02360 Expiration Date N/A  
Address

4. Identification of System Residual Heat Removal

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition,          Addenda,          Code Case  
 (c) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber SS-10-3-43	Anchor/ Darling	464				Replaced	No
Snubber SS-10-3-43	Anchor/ Darling	481				Replacement	No

7. Description of Work Remove and replace snubber IAW MR 19600649 work instruction and procedure 3.M.4-89.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure          psi Test Temp.          \*F  
 \*Preservice functional test, preservice visual examination

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FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

N/A

Certificate of Authorization No. \_\_\_\_\_

N/A

Expiration Date \_\_\_\_\_

Signed \_\_\_\_\_

R Sheider for TAV  
Owner or Owner's Designee, Title

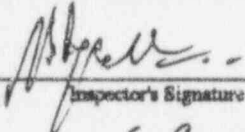
Date \_\_\_\_\_

6/3, 1997

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Inspector's Signature

Commissions MA-1420

National Board, State, Province, and Endorsements

Date \_\_\_\_\_

6-9-1997

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Boston Edison Co Date 2/17/97  
Name

800 Boylston Street, Boston MA Sheet 1 of 1  
Address

2. Plant Pilgrim Nuclear Power Station Unit 1  
Name

600 Rocky Hill Road, Plymouth, MA 02360 MR 19600645  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Boston Edison Co Type Code Symbol Stamp N/A  
Name Authorization No. N/A

600 Rocky Hill Road, Plymouth, MA 02360 Expiration Date N/A  
Address

4. Identification of System Residual Heat Removal

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition,          Addenda,          Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber SS-10-30-01	Anchor/ Darling	455				Replaced	No
Snubber SS-10-30-01	Anchor/ Darling	480				Replacement	No

7. Description of Work Remove and replace snubber IAW MR 19600645 work instruction and procedure 3 M 4-89.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure

Other  Pressure          psi Test Temp.          \*F

\*Preservice functional test, preservice visual examination

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FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_

N/A

Certificate of Authorization No. \_\_\_\_\_

N/A

Expiration Date \_\_\_\_\_

Signed \_\_\_\_\_

R. Sheridan for TAV  
Owner or Owner's Designee, Title

Date \_\_\_\_\_

6/3, 1997

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Mass and employed by Arkwright Mutual Ins. Co. of Waltham, Mass. have inspected the components described in this Owner's Reports during the period 6-5-95 to 3-29-97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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*[Signature]*

Inspector's Signature

Commissions MA-1420

National Board, State, Province, and Encorsements

Date \_\_\_\_\_

6-9-1997

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Boston Edison Co Date 5/24/97  
Name  
800 Boylston Street, Boston MA  
Address Sheet 1 of 1

2. Plant Pilgrim Nuclear Power Station Unit 1  
Name  
600 Rocky Hill Road, Plymouth, MA 02360  
Address MR 1931461  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Boston Edison Co Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
600 Rocky Hill Road, Plymouth, MA 02360 Expiration Date N/A  
Address

4. Identification of System Residual heat removal

5. (a) Applicable Construction Code ASME III 19 77 Edition, W1977 Addenda,        Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Clamp	Bergen Paterson	N/A	N/A	H-10-1-SG16	93	Replacement	N/A

7. Description of Work Replace box frame with pipe clamp

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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FORM NIS-2 (Back)

9. Remarks Pipe clamp procured to ASME III, subsection NF 1977 Edition through winter 1977 Addenda which  
Applicable Manufacturer's Data Reports to be attached

satisfies piping design code, ANSI B31.1, 1973. Refer to FRN 93-01, 12, 34, 53, 55 and 56.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this \_\_\_\_\_ conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date \_\_\_\_\_

Signed R. Sheridan for TAV Date 6/3, 1997  
Owner or Owner's Designee, Title

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[Signature] Commissions MA-1420  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29-1997