INSERVICE INSPECTION SUMMARY REPORT FOR REFUEL OUTAGE #10 AT PILGRIM NUCLEAR POWER STATION

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BOSTON EDISON COMPANY AUGUST 1995

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1995 REFUEL OUTAGE 10 INSERVICE INSPECTION SUMMARY REPORT TABLE OF CONTENTS

SECTION		CONTENTS
1.0		Refuel Outage 10 EXECUTIVE SUMMARY
	1.1	List of Acronyms
	1.2	Tables
		Table 1 - Preservice Visual Examinations Performed During Cycle 10
		Table 2 - Midcycle 10 List of Nonconformances
		Table 3 - Refuel Outage 10 List of Nonconformances
		Table 4 - Midcycle 10 Inservice Examinations Performed by Boston Edisor
	1.3	Figures
		Figure 1 - RPV Core Shroud Visual Inspection Summary
		Figure 2 - RPV Access Hole Cover Examination Summary
		Figure 3 - RPV Shroud Head Hold Down Bolting Examination Summary
2.0		NIS-1 and NIS-2 Code Reports for ASME XI Repairs and Replacements
3.0		ISI Isometric Drawings
4.0		Midcycle 10 G.E. Inservice Inspection Final Report
5.0		Refuel Outage 10 ABB Inservice Inspection Final Report
6.0		Refuel Outage 10 G.E. Inservice Inspection Report

SECTION 1.0

PILGRIM NUCLEAR POWER STATION 1995 REFUEL OUTAGE 10 INSERVICE INSPECTION SUMMARY REPORT

1.0 EXECUTIVE SUMMARY

This report documents Inservice (ISI) and Preservice (PSI) nondestructive examinations and related augmented inspection activities performed at Pilgrim Nuclear Power Station (PNPS) for the time period from the close of Refuel Outage 9 through Refuel Outage 10. The code examinations were conducted during the third period of the section Ten Year Inspection Interval of the PNPS ISI Program.

Types of examinations performed were:

ASME XI inservice and preservice piping weld surface and volumetric examinations and pipe support visual examinations.

Ultrasonic and visual examination of Salt Service Water (SSW) piping per Generic Letter 89-13, including remote visual examination of buried 'B' loop discharge piping.

Ultrasonic examination of high energy piping for evidence of flow-assisted corrosion per Generic Letter 89-08.

Ultrasonic examination of austenitic stainless steel piping welds for Intergranular Stress Corrosion Cracking (IGSCC) per Generic Letter 88-01.

Ultrasonic examination of all accessible reactor pressure vessel (RPV) shell welds.

In-vessel visual examination.

Preservice examination of Reactor Water Cleanup (RWCU) replacement piping welds in accordance with ASME XI and Generic Letter 88-01 requirements, and other replacement activities.

Visual examination of Drywell annulus air gap drain lines for leakage.

Visual examinations for leakage during Class 2 and 3 system pressure tests in accordance with Code Case N-498-1 (in lieu of the ten year hydrostatic pressure test requirements).

Examination Details:

Examinations were conducted in accordance with ASME Section XI, 1980 Edition, Winter 1980 Addenda and BECo letters to NRC 94.104 and 95.035.

General Electric Company was the inspection vendor for the October 1994 midcycle outage, the RPV shell weld examination and RWCU pipe replacement activities during RFO#10 in April and May 1995. Asea Brown Boveri (ABB/AMDATA) was the vendor for the RFO#10 ISI piping weld and support examinations. Boston Edison personnel performed some on-line examinations prior to Midcycle 10.

Regarding BECo Letter 92.048, "Revised Inspection Plan for Drywell Annulus Air Gap Drain Lines at PNPS."

The 4" annulus air gap drains were visually examined for leakage both after flood-up of the refuel cavity and prior to drain-down. No evidence of leakage was found.

Regarding BECo Letter 95.036 "Inservice Inspection Plan for 1995 Refueling Outage #10:

Invessel Visual examinations of Code Category B-N-1 and B-N-2 were completed in addition to the augmented examinations of:

- Access hole covers
- Steam dryer leveling screws
- Core Spray sparger piping (IEB 80-13)
- Jet pump adjusting screws and riser brackets
- Feedwater sparger welds (NUREG 0619).
- Visual examinations associated with the core shroud modification (Figure 1).

The visual examinations confirmed previous linear indications in steam dryer leveling screws and also reported a linear indication in the 0° access hole cover weld (NCR 95-141). Subsequent ultrasonic examination of the 0° cover revealed the visual indication to be nonrelevant. (ref. Figure 2).

Gaps were observed in the jet pump adjusting screws (NCR 95-133).

A visual indication was found in the shroud H-4 weld during the core shroud modification. The indication was outside the area of interest and accounted for by the modification.

All 48 shroud head bolts were ultrasonically examined in RFO#10 by General Electric with all bolts acceptable (ref. Figure 3).

All nondestructive weld and pipe support visual examinations were completed with the exception of Feedwater weld 6-N4D-11, a weld that is incorrectly displayed on drawings. Also pipe supports H-10-1-14SG, H-10-1-(183 to 187) were not examined as relief was requested by BECo letter to NRC 95.080.

All 56 RPV studs were ultrasonically examined by General Electric during RFO#10.

Ten Salt Service Water spools were ultrasonically examined during RFO#10 per Specifications M-591 and Generic Letter 89-13. All pipe was found acceptable.

Eleven nonconformance reports were written during RFO#10. An ultrasonic indication in HPCI weld EB-23-F66A caused a pipe replacement and subsequent scope expansion consisting of nine additional weld exams.

Preservice examination was performed for 11 Reactor Water Cleanup welds replaced in RFO#10 under PDC 92-33.

Twenty two components were examined for flow-assisted corrosion per Generic Letter 89-08 with all components acceptable.

Regarding BECo letter 95.035 "Augmented Exam of RPV Shell Welds Pursuant to 10CFR50.55 a(g)(6)":

This examination requires relief from the regulation and will be submitted under separate cover.

Regarding BECo Letter 94.104 "Inservice Inspection Plan for Pilgrim Station's October 1994 Midcycle Outage":

All examinations were completed with the following exceptions:

Weld 3-WSD-20 was substituted for 3-WSD-21

Weld GB-10-F28 was substituted for GB-10-F30

Weld GB-10-F31 was substituted for GB-10-F32

Weld GB-14-F33 was added to the outage.

Weld GB-14-F35 was substituted for GB-14-F38

Weld DB/DC-10-3001-2-1 was added to the outage

Weld DC-10-F10R was added to the outage

Ultrasonic examination of ten pipe spools in the Salt Service Water System during the Midcycle 10 Outage per Generic Letter 89-13 found all pipe acceptable. Additionally, a remote internal visual examination of the "B" Loop Salt Service Water discharge piping was performed. Problem report 94.9424 was written for delaminated rubber on the buried discharge piping.

A total of eleven nonconformance reports were written, all for supports, which caused a scope expansion of 17 supports.

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

All Class 2 and 3 piping within the code boundaries, (except for the segments noted below) has been visually examined for leakage in accordance with Code Case N-498-1 as allowed by NRC letter to Edison dated March 10, 1995. Visual examination of the following piping segments will be completed during the first period of the third 10 year interval:

Segment of 'B' Loop RHR Containment Spray piping between valves 1001-23B and 1001-26B.

Segment of 'A' Loop RHR piping from valve 1001-43A to RHR pump P-203A (suction side).

PRESERVICE VISUAL EXAMS PERFORMED DURING CYCLE 10

TABLE 1

COMPONENT	METHOD	MR	DATE	DATA SHEET #
H-10-1-116	VT-3	19402113	11/15/94	VT-10-94021
1 1/8"-12 HEX NUTS (MRIR#94-1163)	VT-1	N/A	02/25/95	94-V-0001
1 1/2" PIPING (RHR)	VT-2	19101286	08/02/94	VT-10-94002
1 1/2" PIPING (RHR)	VT-2	19101285	08/02/94	VT-10-94001
H-10-1-SS20	VT-3	19202239	04/19/93	VT-1-93032
H-1-1-SD2	VT-3	19202235	04/19/93	VT-1-93019
SS-2-30-07	VT-3	19202232	04/30/93	VT-2-93010
SRV MAIN STAGE BODY	VT-3	19403182	10/27/94	VT-1-94024
SRV BODY S/N 1208	VT-3	19302403	09/30/93	VT-1-93020
HEX BOLT (MRIR #84-597)	VT-1	19302403	09/30/93	N/A
HEX BOLT (MRIR #79-01)	VT-1	19302403	09/30/93	N/A
H-29-1-5SR	VT-3	19100471	11/07/94	VT-29-94004
1201-2 VALVE	VT-3	19401363	04/14/95	VT-12-95004
1201-5 VALVE	VT-3	19401361	04/14/95	VT-12-95005
2301-8 VALVE	VT-3	19302600	04/26/95	VT-23-95010
H-23-1-80	VT-3	19401360	04/27/95	VT-23-95007
H-23-1-82	VT-3	19401360	04/27/95	VT-23-95009
H-23-1-81	VT-3	19401360	04/27/95	VT-23-95008
H-23-1-6	VT-3	19401362	05/10/95	VT-23-95014
SS-14-3-03	VT-3	19401333	04/08/95	VT-14-95011
H-12-1-7	VT-3	19302083	05/12/95	VT-12-95007
H-12-1-8	VT-3	19302083	05/10/95	VT-12-95008
H-12-1-12	VT-3	19401363	05/12/95	VT-12-95009
H-12-1-20	VT-3	19401361	05/23/95	VT-12-95010
H-10-1-155	VT-3	19500423	04/15/95	VT-10-95034
H-10-1-1025	VT-3	19401118	04/14/95	VT-10-95032
H-10-1-280	VT-3	19500422	04/15/95	VT-10-95033
H-6-1-SS2A	VT-3	19501162	04/20/95	VT-6-95003
H-6-1-SS1A	VT-3	19501162	04/20/95	VT-6-95002
WELD 12-BC-15R	VT-2	19302861	07/24/93	VT-12-93006
PSV-1401-28B WELDS	VT-2	19101278	10/04/94	VT-14-94005
LICI STEAM SUPPLY (new welds)	VT-2	19401278	06/05/95	VT-23-95017
2301-5 VALVE REPLMT. WELDS	VT-2	19401362	06/05/95	VT-23-95016
2301-3 VALVE REPLMT, WELDS	VT-2	19400658	06/05/95	VT-23-95015

TABLE 2

MCO#10 NONCONFORMANCE REPORTS FOR WELDS AND SUPPORTS

NCR NO.	DESCRIPTION	DISPOSITION	MR
NCR 94-32(C)	H-26-1-3 BENT ROD	ACC-AS-IS	19302420
NCR 94-33(C)	H-10-1-108S MISSING/LOOSE NUTS	REWORK	19302415
NCR 94-34(C)	H-23-1-8 LOOSE NUT	REWORK	19302416
NCR 94-36(C)	H-23-1-11 LOOSE LOWER NUT & BENT ROD	REWORK/AAI	19302416
NCR 94-42(C)	H-30-1-54 EXCESSIVE CORROSION	ACCEPT-AS-IS	19302418
NCR 94-58(C)	H-1-1-HC3 SPRING CAN OUT OF TOLERANCE	ACCEPT-AS-IS	19302417
NCR 94-59(C)	H-6-1-SS-2 PISTON SETTING OUT OF TOLERANCE	ACCEPT-AS-IS	19302413
NCR 94-67(C)	H-23-1-10* LOOSE BOLTING ASSEMBLY	REWORK	19302416
NCR 94-74(C)	H-1-1-SC2* STRUCTURAL STEEL INTERFERENCE	ACCEPT-AS-IS	19302417
NCR#94-71(C)	H-1-1-HC1 LOOSE NUT AT ATTACHMENT	REWORK	19302417
NCR#94-72(C)	H-1-1-HD1 LOOSE NUT AT ATTACHMENT	REWORK	19302417

TABLE 3

RFO#10 NONCONFORMANCE REPORTS FOR WELDS AND SUPPORTS

NCR NO.	DESCRIPTION	DISPOSITION	MR
NCR95-038(C)	H-10-1-164 NOT SUPPORTING LOAD	ACCEPT-AS-IS	19401802
NCR95-042(C)	H-10-1-120SR LACK OF THREAD ENGAGEMENT AT CPLG;LOOSE LOCK	REWORK	19401802
NCR95-054(C)	2-VB-202-5B SAW CUT ON NUT	ACCEPT-AS-IS	19401797
NCR95-063(C)	HE-26-F248 REJECTABLE LINEAR INDICATION	REWORK	19401794
NCR95-067(C)	GB-10-6-2B 1/2" LINEAR INDIC.	^EWORK	19401798
NCR95-074(C)	H-10-1-176 BOUND PADDLE	ACCEPT	19401802
NCR95-084(C)	EB-23-F66A PLANAR REFLECTOR	REPAIR	19401793
NCR95-101(C)	HE-30-68PS CORROSION >10%	ACCEPT AS IS	19401803
NCR95-127(C)	*EB-23-2-1G LINEAR INDICATION OUTSIDE EXAM AREA	REWORK	19401793
NCR95-127(C)	*EB-23-2-1B LINEAR INDICATION OUTSIDE EXAM AREA	REWORK	19401793
NCR95-139(C)	*EB-23-1-1D REJECTABLE LINEAR INDICATION (MT)	REWORK	19401793

TABLE 4

MIDCYCLE 10 INSERVICE EXAMINATIONS PERFORMED BY BOSTON SD.SON

ł	COMPONENT	DESCRIPTION	SYSTEM	ISOMETRIC	EXAM
	3-WSD-20	PIPE TO PIPE	CRD	ISI-I-3-1	мт
	3-WSD-17	PIPE TO PIPE	CRD	ISI-I-3-1	MT
	GB-14-1-1D	PIPE TO ELBOW	CS	ISI-I-14-28	MT
	G8-14-F34	PIPE TO VALVE	CS	ISI-I-14-28	PT
	GB-14-F2	ELBOW TO PIPE	CS	ISI-I-14-28	MT
	GB-14-F33	VALVE TO PIPE	CS	ISI-I-14-2B	PT
	GB-14-3-4D	PIPE TO WELDOLET	CS	ISI-I-14-28	MT
	GB-14-1-1C	ELBOW TO PIPE	CS	ISI-I-14-2B	MT
	HL-14-F11	PIPE TO VALVE	CS	ISI-I-14-28	MT
	HD-14-2-1G	PIPE TO FLANGE	cs	ISI-I-14-2B	MT
	G8-14-F3A	PIPE TO PIPE	CS	ISI-I-14-2B	MT
	GB-14-F35	PIPE TO PIPE	cs	ISI-I-14-28	MT
	GB-14-F39	PIPE TO VALVE	cs	ISI-I-14-28	MT
	G8-14-3-4E	REDUCER TO PIPE	cs	ISI-I-14-28	MT
	G8-10-9-4A-B	ELBOW TO PIPE	RHR	ISI-I-10-4B	MT
	GB-10-9-4C-C	PIPE TO ELBOW	RHR	ISI-I-10-48	MT
	GB-10-F59A	PIPE TO VALVE	RHR	ISI-I-10-58	MT
	GB-10-10-2C	TEE TO ELBOW	RHR	ISI-I-10-58	MT
	G8-10-10-2E	TEE TO PIPE	RHR	ISI-I-10-5B	MT
	GB-10-12-2D	WELDOLET TO PIPE	RHR	ISI-I-10-58	MT
	GL-10-F61	VALVE TO WELDOLET	RHR	ISI-I-10-58	MT
	GB-10-F29	ELBOW TO PIPE	RHR	ISI-I-10-58	MT
	HL-10-1-18	ELBOW TO PIPE	RHR	ISI-I-10-58	MT
	GB 10-F28	ELBOW TO ELBOW	RHR	ISI-I-10-58	MT
	GB-10-F31	ELBOW TO PIPE	RHR	ISI-I-10-58	MT
	G8-10-2-1A-D	ELBOW TO ELBOW	RHR	ISI-I-10-5B	MT

TABLE 4

MIDCYCLE 10 INSERVICE EXAMINATIONS PERFORMED BY BOSTON EDISON

COMPONENT	DESCRIPTION	SYSTEM	ISOMETRIC	EXAM
G8-14-22HL1(4)	SUPPORT LUGS	cs	ISI-I-14-2B	MT
DB-23-51HL1(4)	SUPPORT LUGS	HPCI	ISI-I-23-5	MT
GB-10-19HL1(4)	SUPPORT LUGS	RHR	ISI-I-10-48	MT
H-3-1-17	RIGID SUPPORT	CRD	ISI-I-3-1	VT-3
H-3-1-29	STRUT	CRD	ISI-I-3-1	VT-3
H-3-1-30	RESTRAINT	CRD	ISI-I-3-1	VT-3
H-3-1-41	STRUT	CRD	ISI-I-3-1	VT-3
H-3-1-47	RESTRAINT	CAD	ISI-I-3-1	VT-3
H-3-1-15	RIGID SUPPORT	CRD	ISI-I-3-1	VT-3
H-3-1-16	RIGID SUPPORT	CRD	ISI-I-3-1	VT-3
H-14-1-9	RIGID HANGER	cs	ISI-I-14-2B	VT-3
H-14-1-55	RIGID HANGER	cs	ISI-I-14-2B	VT-3
H-14-1-33	RIGID HANGER	CS	ISI-I-14-2B	VT-3
H-23-1-9	SPRING HANGER	HPCI	ISI-I-23-2	VT-3/4
H-23-1-11	SPRING HANGER	HPCI	ISI-I-23-2	VT-3/4
H-23-1-6	SPRING HANGER	HPCI	ISI-I-23-2	VT-3/4
H-23-1-7	RIGID HANGER	HPCI	ISI-I-23-2	VT-3
H-23-1-8	SPRING HANGER	HPCI	ISI-I-23-2	VT-3/4
H-23-1-28S	RIGID HANGER	HPCI	ISI-I-23-2	VT-3
H-23-1-17	RIGID HANGER	HPCI	ISI-I-23-3	VT-3
H-23-1-15SS	SNUBBER	HPCI	ISI-I-23-3	VT-3/4
H-23-1-16	RIGID HANGER	HPCI	ISI-I-23-3	VT-3
H-23-1-3	RIGID HANGER	HPCI	ISI-I-23-5	VT-3
H-1-1-37	RIGID HANGER	MS	ISI-I-1-1	VT-3
H-1-1-23	RIGID HANGER	MS	ISI-I-1-1	VT-3
H-30-1-46	RIGID HANGER	RBCCW	ISI-I-30-1	VT-3

TABLE 4

MIDCYCLE 10 INSERVICE EXAMINATIONS PERFORMED BY BOSTON EDISON

COMPONENT	DESCRIPTION	SYSTEM	ISOMETRIC	EXAM
H-30-1-104	RIGID HANGER	RBCCW	ISI-I-30-1	VT-3
H-30-1-32SH	RIGID HANGER	ABCCW	ISI-I-30-2	VT-3
H-30-1-33SR	RIGID HANGER	RBCCW	ISI-I-30-2	VT-3
H-30-1-53	RIGID HANGER	RBCCW	ISI-I-30-2	VT-3
H-30-1-54	RIGID HANGER	RBCCW	ISI-I-30-2	VT-3
H-30-1-58	RIGID HANGER	RBCCW	ISI-I-30-2	VT-3
H-26-1-6	GUIDE	RCIC	ISI-I-13-4	VT-3
H-26-1-2	GUIDE	RCIC	ISI-I-13-4	VT-3
H-26-1-3	RIGID HANGER	RCIC	ISI-I-13-4	VT-3
H-26-1-5	GUIDE	RCIC	ISI-I-13-4	VT-3
H-26-1-4	GUIDE	RCIC	ISI-I-13-4	VT-3
H-26-1-1	RIGID HANGER	ACIC	ISI-I-13-4	VT-3
H-10-1-30SR	LATERAL RESTRAINT	RHR	ISI-I-10-28	VT-3
H-10-1-55	RIGID SUPPORT	RHR	ISI-I-10-2B	VT-3
H-10-1-SG17	LATERAL RESTRAINT	RHR	ISI-I-10-2B	VT-3
H-10-1-56	RIGID SUPPORT	RHR	ISI-I-10-2B	VT-3
H-10-1-99S	LATERAL RESTRAINT	RHR	ISI-I-10-38	VT-3
H-10-1-92S	SPRING HANGER	RHR	ISI-I-10-3B	VT-3/4
H-10-1-108S	LATERAL RESTRAINT	RHR	ISI-I-10-4B	VT-3
H-10-1-107S	RIGID HANGER	RHR	ISI-I-10-4B	VT-3
H-10-1-11	RIGID HANGER	RHR	ISI-I-10-5B	VT-3
H-10-1-105S	LATERAL RESTRAINT	RHR	ISI-I-10-5B	VT-3
H-10-1-12	SPRING HANGER	RHR	ISI-I-10-5B	VT-3/4
H-10-1-18	SPRING HANGER	RHR	ISI-I-10-5B	VT-3/4
H-10-1-LT1	SPRING HANGER	RHR	ISI-I-10-5B	VT-3/4
H-10-1-LT2	SPRING HANGER	RHR	ISI-I-10-5B	VT-3/4

TABLE 4

MIDCYCLE 10 INSERVICE EXAMINATIONS PERFORMED BY BOSTON EDISON

COMPONENT	DESCRIPTION	SYSTEM	ISOMETRIC	EXAM	
H-29-1-15	RIGID HANGER	SSW	ISI-I-29-1	VT-3	
H-29-1-21	RIGID HANGER	SSW	ISI-I-29-1	VT-3	
H-29-1-24	RIGID HANGER	SSW	ISI-I-29-1	VT-3	

PILGRIM NUCLEAR POWER STATION REACTOR SHROUD VISSUAL INSPECTION TENTH REFUELING AND INSPECTION

SUMMARY

EXAMINATION SUMMARY

During the period of April, 1995, General Electric Nuclear Energy personnel performed In Vessel Visual Inspection of the Pilgrim Reactor Shroud. This section details the techniques utilized, examination procedure, examination personnel and the results of the inspections.

EXAMINATION PROCEDURE

TP95-083 Revision No. 0, Procedure For Invessel Inspection Of RPV Core Support Shroud Welds.

EXAMINATION PERSONNEL

The following is a list that identifies the certification levels of the General Electric visual examination personnel that performed the In Vessel Inspection.

Name	Visual Level		
M. Stamm	Level	III	
Dan Thomas	Level	II	
Dave Thomas	Level	II	
E. Wall	Level	II	
J. Bazenas	Level	II	
T. McAndrew	Level	II	

EXAMINATION TECHNIQUES

The examinations were performed using remote CCTV equipment, hand held camera mounted lighting, and VHS videotape recording equipment. System resolution was veified using both a .0005" Mil Diameter Wire and a .001" Diameter wire attached to a holding fixture. Resolution was verified on each videotape recorded.

WORKSCOPE

The following identifies the Pilgrim Invessel (RPV) Internals that were scheduled for inspection. These inspection were performed in accordance with Procedure TP95-083 Rev 0.

- Accessible Gusset Welds, Shroud Support Plate and Vessel Wall at 45°, 135°, 225° and 315°.(VT-1 Enhanced)
- Vertical Welds V15, V16, V17 & V18 ID and OD, Intersecting Weld H4.(VT-1 Enhanced)
- 3. Accessible Core Plate Hold Downs at 45°, 135°, 225° and 315°.(VT-3)
- 4. Aligner Pins at 0°, 90°, 180° and 270°.(VT-3)
- 5. Ring Segment Welds V9, V10, V11, V12, V13 and V14.(Enhanced VT-1)

ENAMINATION RESULTS

No Relevant Indications were reported during the Invessel Visual Examination.(IVVI)

%	GE Nuclear Energy	E	XAMINATIO	N SUM	MARY	SHE	ET
PROJECT: PILG		PROCEDURE:	TP95-109	R	EV:_0_	FRR:	N/A N/A N/A
SYSTEM: RPV WELD NO.: Acce	ss Hole Cover @ 0°		. N/A	R	EV: N/A	FRR:	N/A N/A N/A
CONFIGURATION	: AHC TO SHROUD LEDGE		□мт	□РТ	■ UT		□VT
EXAMINER: P.JO	HNSON LEVEL: III	WELD TYPE:		CUMFEREN GITUDINAL		THER_	N/A
EXAMINER: N/A	LEVEL: N/A	CAL SHEET	TNO (S): C	24 02 03 04 0	5 06 # 07		

During the automated ultrasonic examination of the above referenced weld, no indications associated with IGSCC were recorded by the Smart 2000 system utilizing 45° shear wave and 60° Refracted Longitudinal (RL) wave search units. The visual indication recorded during the Spring 1995 IVVI examination could not be confirmed with UT.

ID geometry was recorded with both the 45° shear and 60° RL search units.

Approximately 45% of the weld circumference was not examined from the ledge side of the weld due to the proximity of the reactor vessel and the shroud wall.

IVVI tapes and previous data were reviewed prior to this summary.

EXAMINER: N/A

NOTE. Prior to the Ultrasonic Examination of the 0 degree Access Hole Cover, the weld was brushed using a Honda motor attached to a pole. This brushing was done so an exploratory Enhanced VT-1 could be performed of the previously reported IVVI indication identified during the 1995 Spring Outage. This indication was Examined using a .0005" mil wire. During the exam, camera angles and lighting were changed to evaluate the indication. This indication, surface irregularities, did not indicate that it had any depth. During the Ultrasonic, examination of the access hole cover, no indications were recorded. The only Ultrasonic reflectors that were recorded was inside geometry.

Note made by M. Stamm, GE-NE, Project Manager, Level 111

LEVEL: N/A

Hicke Stame LV III

5/24/95

Paulfohnson III 5-13-95
SUMMARY BY LEVEL DATE

PROPRIEW LEVEL DATE

DATE

PROPRIEW LEVEL DATE

Bruce Pupis 5-24-45
REVIEWED BY BEGITT DATE

PAGE: 1 OF: 10

CORNEUT OR PEY T

APRIL 25, 1995

Boston Edison Company Pilgrim Nuclear Power Station Plymouth MA 02360

SUBJECT: ULTRASONIC EXAMINATION - SHROUD HEAD HOLD DOWN BOLTING

PILGRIM NUCLEAR POWER STATION

SUMMARY

During Pilgrim Nuclear Power Station Refueling Outage (PNPS) number ten. General Electric Nuclear Energy (GENE) examination personnel performed an ultrasonic (UT) examination on all 48 shroud head hold down bolts attached to the steam separator for indications of cracking. Of the 48 bolts examined, no indications of cracking were detected.

INTRODUCTION

Over the years, cracking has been detected in the shroud head hold down bolting associated with Boiling Water Reactors (BWR). The cracking in these bolts (BWR 4's and earlier) has been confined to a creviced region created by a 304 stainless steel ring welded to an alloy 600 series incomel shaft. Typically, this cracking is IGSCC in nature and is located approximately 9.5 inches up from the bottom end of the shaft.

DISCUSSION

The steam separator, because of radiation activation, and contamination, is stored underwater (storage pool) for shielding purposes when removed from the reactor pressure vessel. To examine the shroud head hold down bolting attached to the steam separator remote ultrasonic techniques (UT) are used. The examination of the 48 shroud hold down bolts were completed, using a movable pick located over the equipment storage pool and the steam separator. The UT fixture by design is shaped like a shoe and is attached to 30 feet of one inch diameter aluminum poles. The UT fixture with an ultrasonic transducer mounted on its bottom end, looking up, is slipped over the bottom end of the bolt, an air cylinder is then actuated, locking the UT fixture to the bolt to be examined. Bolt interrogation is then commenced, by ultrasonic test instrumentation.

PROCEDURE USED

GE Nuclear Energy Test Procedure UT-PII-501V1 Rev. 0, "UT Procedure For Remote Examinaton of Shroud Head Hold Down Bolting" (PNPS Temporary Procedure No TP95-082).

EXAMINATION PERSONNEL

- M Stamm Level III
- J Gebhart Level I
- R. Sheridan Level I

EQUIPMENT

- Special UT fixture (patented) for shroud head hold down bolts.
- Staveley Sonic 136 ultrasonic instrument.
- 3. KB-Aerotech 0.5 inch, flat focus, immersion, 2.25 MHz UT transducer
- 4 600 series Inconel calibration reference standard containing a 5% of volume EDM notch. This reference block is used to calibrate the test system.
- 5. Water and Ultra-Gel used as couplant

TEST RESULTS

All 48 shroud head hold down bolts attached to the PNPS steam separator were examined ultrasonically for indications of cracking. No indications of cracking were detected in any of the 48 bolts examined.

All data and supporting documents pertaining to these examinations are included as attachments to this report.

UT Level III, GE-Nuclear Energy

SECTION 2.0

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

2. P	lant	Pilgrim N		and Address of Owner) ver Station, R	FD#1, Rocky Hi	11 Road,
		41		and Address of Plant)	Plymouth	· ·
3. P	lant Unit _	#1	4. Owner	Certificate of Authoriz	action (if required)	/A
5. 0	ommercial	Service Date 12	-9-72 6. Na	tional Board Number fo	or Unit 20763	
7. C	omponent	Inspected				
	ponent or urtenance		ufacturer nstaller	Manufacturer or Installer Serial No.	State or Province No.	National Board No
eact	or Vess	el Combu	stion Eng.	66107	66207	20763
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					used provided (1) size is	

	FORM NIS-1 (back)
8. Examination Dates	93 6-4-95 9. Inspection Interval from 12-10-82 6-30-99
10. Abstract of Examinations, Incl. for current interval.	ude a list of examinations and a statement concerning status of work required ee ISI Summary Report
11. Abstract of Conditions Noted.	See ISI Summary Report
12. Abstract of Corrective Measure	See ISI Summary Report and NIS-2 Forms
	95 Signed Boston Edison By In Famulant Owner QA Manager fapplicable) N/A Expiration Date
I, the undersigned, holding a valinspectors and/or the State or Provided State of Provided State of Provided State of St	TIFICATE OF INSERVICE INSPECTION lid commission issued by the National Board of Boiler and Pressure Vessel vince of MASS and employed by FACTORY MUTUAL of ed the components described in this Owners' Data Report during the period 95 and state that to the best of my knowledge and belief, the Owner taken corrective measures described in this Owners' Data Report in accordance E Code, Section XI. There the Inspector nor his employer makes any warranty, expressed or implicate to corrective measures described in this Owners' Data Report. Furthermore,

As Required by the Provisions of the ASME Code Section XI

- MILITAL	Boston Edison Co.		Date_	4-11-9	5		
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29-HO-3930A	Work*See Rem	arks	st Temp	essure & Inservi	ce leak t	New	

marks	* Add new valves and piping per FRN 85-28-18. * This was added to provide
	Applicable Manufacturer's Data Reports to be attached
	connection point for the residual chloride monitoring sys.
	CERTIFICATE OF COMPLIANCE
We ce	ertify that the statements made in the report are correct and this conforms to the rules of the
ASME Cod	e Section XI.
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Certificate	of Authorization Ng. N/A Expiration Date
Signed	R Sold QCUM Date 8/8 19 95
- g c -	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
I the under	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
Province of	and employed by Factory Mutual System
	Norwood Massachusetts have inspected the components described in this Owner's Rep
during the	period $5-13-93$ to $6-4-95$ and state that to
best of my	knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner
	ccordance 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 examination
and correc	tive measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in a
	any personal injury or property damage or a loss of any king arising from or connected with this inspection.
THIS I THE TAIL	
	D. Hur. Commissions MA 1420
********	Inspector's Signature Commissions MA 1420 National Board, State, Province, and Endorsements
Date	8-1/ 19 75
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As Required by the Provisions of the ASME Code Section XI

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emarks	Installed spare pilot assembly in RV-203-3A and replaced bolting/nuts. Applicable Manufacturer's Data Reports to be attached
	Completed VT-1 for Bolting.
	CERTIFICATE OF COMPLIANCE
1810	ertify that the statements made in the report are correct and this conforms to the rules of the
	repair or replacement
ASME Cod	te. Section XI
Type Code	Symbol Stamp N/A
Certificate	of Authorization Na / N/A Expiration Date
	0) Sch QC DM Date \$18 1995
Signed	Owner or Owger's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
t the constant	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat
Province of	and employed by Factory Mutual System
r tovillog of	Norwood, Massachusetts have inspected the components described in this Owner's Re
during the	Norwood, Massachusetts have inspected the components described in this Owner's Reperiod 5-13-93 to 6-11-95, and state that to
best of my	knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Own
	ccordance with the requirements of the ASME Code, Section XI.
	this rertificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinat
	tive measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in
manner for	any personal injury or property damage or a loss of any king arising from or connected with this inspection.
	IS YOUR MA 11/20
	Inspector's Signature Commissions MA 1420 National Board, State, Province, and Endorsements
	Inspector's Signature National Board, State, Province, and Endorsements
Date	8-1/1995

As Required by the Provisions of the ASME Code Section XI

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	Applicable Manufacturer's Data Reports to be attached	
	CERTIFICATE OF COMPLIANCE	
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	repair or replacement	
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Signed	Owner or Owner's Designee, Tiles Expiration Date Date 8/8	.19 95
Signeu	Owner or Owner's Designee, Tiles	
	CERTIFICATE OF INSERVICE INSPECTION	
I the under	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel	Inspectors and the State
Province of	and employed by Factory Mutual Sys	stem
	Norwood Massachusetts have inspected the components descri	bed in this Owner's Re
during the p	Norwood Massachusetts have inspected the components descriperiod 5-13-93 to 6-11-95	, and state that to
best of my	knowledge and belief, the Owner has performed examinations and taken corrective measures	described in this Own
	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 of	oncerning the examinat
	tive measures described in this Owner's Report. Furthermore, neither the inspector nor his em	
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As Required by the Provisions of the ASME Code Section XI

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emarks	Installed spare SRV pilot. Replaced body bolting/nuts, completed VT-1.
	Applicable Manufacturer's Data Reports to be attached
4.5	
	Note: SRV set pressures are calibrated by the vendor for Tech. Specs. No additional
	testing is required.
	CERTIFICATE OF COMPLIANCE
	de, Section XI. conforms to the rules of the
Type Code	e Symbol StampN/A
Certificate Signed	Of Authorization No. N/A Expiration Date Owner or Owner's Designee, Title Date 8/8 .19 95
during the best of my Report in a By signing and correct	CERTIFICATE OF INSERVICE INSPECTION ersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State and employed by Factory Mutual System Norwood, Massachusetts have inspected the components described in this Owner's Reperiod 5-13-93 to 6-9-95, and state that to y knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner accordance with the requirements of the ASME Code, Section XI. In this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examination of the ASME Code, Section XI. In this certificate neither the Inspector nor his employer shall be liable in a reasures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in a reasure of the ASME Code, and the State of the ASME Code, Section XI.
Date	Inspector's Signature Commissions MA 1420 National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code Section XI

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Remarks	Installed spare SRV pilot. Replaced body bolting/nuts, completed VT-1. Applicable Manufacturer's Data Reports to be attached
	V. CDV - I
	Note: SRV set pressures are calibrated by the vendor for Tech. Specs. No additional
	testing is required.
	CERTIFICATE OF COMPLIANCE
	ertify that the statements made in the report are correct and this repair or
Type Code	Symbol StampN/A
Certificate	of Authorization No. # N/A Expiration Date
Signed	Of Authorization No. N/A Expiration Date Date D/P .19 95 Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
I, the under	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
Province of	m ms s and employed by Factory Mutual System
-	Norwood, Massachusetts have inspected the components described in this Owner's Reported to 6-4-95, and state that to the
during the	knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner
	ccordance with the requirements of the ASME Code, Section XI.
	this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examination
	tive measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in a
manner for	any personal injury or property damage or a loss of any king arising from or connected with this inspection.
	Commissions MA 1420
	Inspector's Signature Commissions MA 1420 National Board, State, Province, and Endorsements
	87/ 1995
Date_	8 7/ 19 /3

As Required by the Provisions of the ASME Code Section XI

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RV-203-48	Target Rock	# BK 6309					
RV-203-4B	Target Rock	# BK 6309					

temarks	
	Applicable Manufacturer's Data Reports to be attached
	Note: SRV set pressures are calibrated by the vendor for Tech. Specs. No additional
	testing is required.
	CERTIFICATE OF COMPLIANCE
We certify	y that the statements made in the report are correct and this conforms to the rules of the
ASME Code, S	repair or feblacement
Type Code Syn	mbol StampN/A
	uthgrization No. N/A Expiration Date
Signed U	Owner's Designee, Title Date 8/8 .19 95
	CERTIFICATE OF INSERVICE INSPECTION
	ned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
Province of	M Prs 5 - and employed by Factory Mutual System of
	Norwood, Massachusetts have inspected the components described in this Owner's Report of S-13-43 to 6-9-95, and state that to the second of S-13-43
during the perk	owledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner
	rdance with the requirements of the ASME Code, Section XI.
	certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examination
and corrective	measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in a
	personal injury or property damage or a loss of any king arising from or connected with this inspection.
1	S. W.C.A.——————————————————————————————————
In	Aspector's Signature National Board, State, Province, and Endorsements
Date	8 1/ 1995

As Required by the Provisions of the ASME Code Section XI

Owner		Co.	Date	2-9-95				
800 Boyls	Name ston Street, Bostor	n, MA	Sheet _1	of	1			
Plant	Address Pilgirm Nuclea	Power Station	Unit#	11				
600 DI	Name	- 45 144 02260		40404004				
600 Rock	Address	iouth, MA 02360	<u> </u>	AR# 19401201	nanization	PO No Job No e	tc	
Work Performed by Boston Edison Company			Type Cod	Type Code Symbol Stamp N/A				
Name				Authorization No. N/A				
Rock	y HIII Road, Plymo Address	outh, MA	Expiration	Date	N/A			
Identification of	f System		Main S	eam System #	01			
		AS/ANSI						
	Construction Code <u>B31</u> Edition of Section XI Uti							
Name of Componen		Manufacturer Serial No.	National Board No	Other identification	Year Built	Repaired Replaced or Replacmement	ASME CODE Stampe (Yes	
							or No)	
RV-203-4A	Target Rock	body #6302			68	Replacement	Yes	
		was not changed out		Personal Principles				
						THE RESERVE THE PARTY OF THE PA		
Description of	Work Replaced b	polting/nuts						
	Work_Replaced to		perating Pres			est at flange jo		



Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% 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.

Note: SRV set pressures are calibrated by the vendor for Tech. Specs. No additional testing is required. CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this repair or replacement ASME Code. Section XI Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date Owner for 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 Province of Androyod Massack Board State And employed by Factory Mutual System System State	emarks	Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE We cartify that the statements made in the report are correct and this repair or replacement Type Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date Owner for 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 and employed by Factory Mutual System Nonwood, Masachusetts during the period Nonwood Masachusetts have inspected the components 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 examination and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in a manner for any personal injury or property damage or a loss of any king arising from or connected with this inspection.		Note: SRV set pressures are calibrated by the vendor for Tech. Specs. No additional
We certify that the statements made in the report are correct and this repair or replacement ASME Code, Section XI. Type Code Symbol Stamp		testing is required.
We certify that the statements made in the report are correct and this repair or replacement ASME Code, Section XI. Type Code Symbol Stamp		
Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date 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 Province of Norwood, Massachusetts And employed by Factory Mutual System Norwood, Massachusetts have inspected the components 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 examination and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in a manner for any personal injury or property damage or a loss of any king arising from or connected with this inspection.		CERTIFICATE OF COMPLIANCE
Signed 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 Province of		repair or replacement
Signed 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 Province of	Type Code	Symbol StampN/A
i, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of	1	2 Sala QCDm Date 8/8 .1995
Inspector's Signature National Board, State, Province, and Endorsements	during the p best of my Report in ac By signing t and correct	signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State and employed by Factory Mutual System. Norwood, Massachusetts have inspected the components described in this Owner's Reported to 6 1 3 - 9 3, and state that to knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner coordance with the requirements of the ASME Code, Section XI. This certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinative measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any personal injury or property damage or a loss of any king arising from or connected with this inspection. Commissions MA IFA

As Required by the Provisions of the ASME Code Section XI

Owner	Boston Edison	Co.	Date	3-21-95			
800 Boy	viston Street, Bosto	n. MA	Sheet	1 of	1		
	Address						
Plant	Pilgirm Nuclea	r Power Station	Unit	#1		76	
	Name						
600 Ro	cky Hill Road, Plyn	nouth, MA 0236	0				
	Address					P.O. No. Job No.	etc.
. Work Perfori	med by Boston Ediso	n Company		ode Symbol Stamp zation No			
Roo	Name ky HIII Road, Plym	outh MA			N/A	Name of the State	
Noc	Address	outil, MA	CApitati	or Date	14/6		
	Addiess						
identification	of System		HPCI				
	e Construction Code ASI						
(b) Applicable	e Edition of Section XI U	tilized for Repairs or	Replacemen	ts 1980 Winter 80	Addenda		
Identification	of Components Repaire	d or Replaced and R	eplacement	Components			
							ASME
			National			Repaired	CODE
Name of Compone		Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced or Replacement	Stampe (Yes
Compon	prit iviaria actorei	Geriai 110.	110.	Tag it industry	Dunt	Nopidomonia	or No)
MO7301-3	Ring-O	-			95	Replace	Yes
1107501-5	Trang-0	_	- parket		30	Treplace	
				10" line ffrom	95	Replace	No
Piping							
Piping				valve to HPCI			-
Piping				valve to HPCI turbine	+		
Piping							
Piping							
Piping							
Piping							
Piping							
Piping							
Piping							
Piping							
	of Work_Replace V	alve & Piping					
Description of				turbine			
Description of	of WorkReplace V		Operating Pr	turbine			
Description o	icted. Hydrostatic 🛭 Pn			turbine essure			



Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.

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 Other 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 Sta and employed byEactory Mutual System Norwood, Massachusetts	Applicable Manufacturer's D	Pata Reports to be attached
We certify that the statements made in the report are correct and this repair or replacement repair or repair or replacement repair or replacement repair or replacement repair or replacement repair or repair or replacement repair or repair or replacement repair or replacement repair or replacement repair or replacement repair or repair or replacement repair or replacement repair or replacement repair or replacement repair or rep		
We certify that the statements made in the report are correct and this repair or replacement repair or repair or replacement repair or replacement repair or replacement repair or replacement repair or repair or replacement repair or repair or replacement repair or replacement repair or replacement repair or replacement repair or repair or replacement repair or replacement repair or replacement repair or replacement repair or rep		
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We certify that the statements made in the report are correct and this repair or replacement repair or repair or replacement repair or replacement repair or replacement repair or replacement repair or repair or replacement repair or repair or replacement repair or replacement repair or replacement repair or replacement repair or repair or replacement repair or replacement repair or replacement repair or replacement repair or rep		
We certify that the statements made in the report are correct and this repair or replacement repair or repair or replacement repair or replacement repair or replacement repair or replacement repair or repair or replacement repair or repair or replacement repair or replacement repair or replacement repair or replacement repair or repair or replacement repair or replacement repair or replacement repair or replacement repair or rep		
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ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. Signed 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 and employed by Factory Mutual System Norwood, Massachusetts have inspected the components described in this Owner's Reducing the period 3-2/-95 and state that to 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 examination and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in manner for any personal injury or property damage or a loss of any king arising from or connected with this inspection. Commissions MA 143-0 National Board, State, Province, and Endorsements		CERTIFICATE OF COMPLIANCE
Type Code Symbol Stamp N/A Certificate of Authorization To N/A Signed 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 Province of MASS And employed by Factory Mutual System Norwood, Massachusetts have inspected the components described in this Owner's Reduring the period 3-2-95 and state that to 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 examination and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in manner for any personal injury or property damage or a loss of any king arising from or connected with this inspection. Commissions MA 1420 National Board, State, Province, and Endorsements	We certify that the statements made in	
Certificate of Authorization No. N/A Expiration Date Signed 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 and employed by Factory Mutual System. Norwood, Massachusetts have inspected the components described in this Owner's Reduring the period 3-2-95 to 4-95, and state that to 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 examination and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in manner for any personal injury or property damage or a loss of any king arising from or connected with this inspection. Commissions MA 1420 National Board, State, Province, and Endorsements	ASME Code, Section XI.	repair of replacement
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 Standard employed by Factory Mutual System Norwood, Massachusetts have inspected the components described in this Owner's Reduring the period 3-2-95 to 6-9-95, and state that to 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 examinal and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in manner for any personal injury or property damage or a loss of any king arising from or connected with this inspection. Commissions MA 143-0 National Board, State, Province, and Endorsements	Type Code Symbol Stamp	N/A
Signed 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 Province of MHSS and employed by Factory Mutual System Norwood, Massachusetts have inspected the components described in this Owner's Reduring the period 3-2-95 to 6-95, and state that to 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 examinal and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in manner for any personal injury or property damage or a loss of any king arising from or connected with this inspection. Commissions MA 1420 National Board, State, Province, and Endorsements	Certificate of Authorization No.	N/A Expiration Date
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of MASS and employed by Factory Mutual System Norwood, Massachusetts have inspected the components described in this Owner's Reduring the period 3-2-95 to 4-95, and state that to best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner 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 examination and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in manner for any personal injury or property damage or a loss of any king arising from or connected with this inspection. Commissions MA 1430 Inspector's Signature National Board, State, Province, and Endorsements	Signed Owner or Owner's Designee	
Province of MASS and employed by Factory Mutual System Norwood, Massachusetts have inspected the components described in this Owner's Reducing the period 3-24-95 to 6-4-95, and state that to best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Own 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 examinat and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in manner for any personal injury or property damage or a loss of any king arising from or connected with this inspection. Commissions MA 1400 National Board, State, Province, and Endorsements	CE	ERTIFICATE OF INSERVICE INSPECTION
Norwood, Massachusetts have inspected the components described in this Owner's Reduring the period 3-2-95 to 6-4-95 and state that to 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 examinat and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in manner for any personal injury or property damage or a loss of any king arising from or connected with this inspection. Commissions MA 1430 National Board, State, Province, and Endorsements	I, the undersigned, holding a valid commission	ion issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
during the period 3-2-95 to 6-9-95, and state that to best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Own 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 examinal and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in manner for any personal injury or property damage or a loss of any king arising from or connected with this inspection. Commissions MA 1430 National Board, State, Province, and Endorsements		
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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 examinal and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in manner for any personal injury or property damage or a loss of any king arising from or connected with this inspection. Commissions MA 1420 Inspector's Signature National Board, State, Province, and Endorsements		
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and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in manner for any personal injury or property damage or a loss of any king arising from or connected with this inspection. Commissions		
manner for any personal injury or property damage or a loss of any king arising from or connected with this inspection. Commissions MA 1430 Inspector's Signature National Board, State, Province, and Endorsements		
Inspector's Signature Commissions MA 1420 National Board, State, Province, and Endorsements		
Inspector's Signature National Board, State, Province, and Endorsements		
Inspector's Signature National Board, State, Province, and Endorsements	11- Har	Commissions MA 1420
	Inspector's Signature	National Board, State, Province, and Endorsements
	2 . 2 . 2	

As Required by the Provisions of the ASME Code Section XI

		Co.	Date	2-9-95			
	Name n Street, Bostor	n. MA	Sheet	of	1		
	Address	Add a Marine and a second	011001	Annual St. Annual St.			
	Pilgirm Nuclear	r Power Station	Unit	#1			
	Commercial	outh, MA 02360	2	AR# 19401194			
	Address			Repair O	rganization	P.O. No Job No.	etc.
Work Performed b	Boston Edisor	n Company		le Symbol Stamp _	N/A		
	Name			tion No.	N/A		
Rocky H	III Road, Plymo	outh, MA	Expiration	Date	N/A		
	Address						
Identification of Sys			Main S	team System #	‡ 01		
Mark Mark Commission of the Co	10 day	AS/ANSI					
		1967				The second secon	
(b) Applicable Editi	on of Section XI Uti	lized for Repairs or F	Replacements	1980 Winter 8	0 Addenda		
Identification of Co	imponents Repaired	for Replaced and Re	eplacement C	omponents			
							
Name of	Name of	Manufacturer	National Board	Other	Year	Repaired Replaced or	ASME CODE Stampe
Component	Manufacturer	Serial No.	No.	Identification	Built	Replacmement	(Yes or No)
RV-203-38	Target Rock	Pilot from			68	Replacement	Yes
		#1048 to #1025	Mary and American	-			
			1				
							-
Description of Worl	see remark	s					
						-1-1-0	
		s rumatic \(\text{Nominal C}	perating Pres				
Tests Conducted	Hydrostatic Pne	rumatic 🗌 Nominal C				est at flange in	
Tests Conducted.	Hydrostatic Pne	eumatic Nominal C	Temp				
Tests Conducted	Hydrostatic Pne Other Pressure VT-2 leak check of v	rumatic 🗌 Nominal C	Tempancial joint.	accorda °F	ance with	h plant procedu	

Remarks	Installed spare SRV pilot. Replace body bolting/nuts, completed VT-1.
	Applicable Manufacturer's Data Reports to be attached
	Note: SRV set pressures are calibrated by the vendor for Tech. Specs. No additional
	testing is required.
	CERTIFICATE OF COMPLIANCE
	ertify that the statements made in the report are correct and thisconforms to the rules of the repair or replacement.
Type Code	Symbol StampN/A
Certificate g	at Authorization No. N/A Expiration Date
Signed (Owner or Owner's Designee, Title Date 8/8/ 1995
	CERTIFICATE OF INSERVICE INSPECTION
Province of	signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of MASS and employed by Factory Mutual System of
	Norwood, Massachusetts have inspected the components described in this Owner's Reported to 6-17-95, and state that to the
best of my	knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner
	coordance with the requirements of the ASME Code, Section XI.
By signing t	this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examination
	ive measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in an any personal injury or property damage or a loss of any king ising from or connected with this inspection.
mariner for	(10)
	Inspector's Signature Commissions MA 1420 National Board, State, Province, and Endorsements
	8-1/1995
Date_	X = 1/19/3

As Required by the Provisions of the ASME Code Section XI

Owner	Boston Edison	Co.	Date	3-20-95	i		
800 Boyls	Name ston Street, Bostor	n, MA	Sheet	of	1		
Plant	Address Pilgirm Nuclear	Power Station	Unit_#	11			
	Name						
600 Rock	y Hill Road, Plym	outh, MA 0236	0	MR# P9500188		0.0 No. 1-6 No.	
Work Performe	Address ad by Boston Edisor	Company	Type Coc	e Symbol Stamp	N/A	P.O. No. Job No.	etc
	Name			tion No	N/A		
Rock	y HIII Road, Plymo	outh, MA	Expiration	Date	N/A		
	Address						
identification of	System		HPCIS	team			
(a) Applicable (Construction Code <u>B31</u>	1 1967 Edition		ddenda	Code Ca		
	Edition of Section XI Util						
Identification o	f Components Repaired	or Replaced and R	eplacement C	omponents			
							T
			Makanat			Description	ASME
Name of	Name of	Manufacturer	National Board	Other	Year	Repaired Replaced or	Stampe
Componen	t Manufacturer	Serial No.	No.	Identification	Built	Replacmement	(Yes or No)
							Or NO)
Steam Line	BS&B Safety				-	Replace	No
AND ASSESSMENT OF THE PARTY AND			Traumer		1000		
Rupture Disc.	Systems				-		
	Systems			The state of the s			
	Systems						
	Systems						
	Systems						
	Systems						
	Systems						
	Systems						
	Systems						
Rupture Disc.		S					
Rupture Disc.	Nork See remark						
Rupture Disc.			Operating Pres	sure 🗆 Inservi	ce Leak	Test. [★]	

Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.

emarks	Replacement Bolting/nuts associated with the installation of the HPCI exhaust
	Applicable Manufacturer's Data Reports to be attached
	Rupture Disc.
	CERTIFICATE OF COMPLIANCE
VM/s av	artify that the statements made in the report are correct and this conforms to the rules of the
VVe ce	ertify that the statements made in the report are correct and this repair or replacement
ASME Cod	le, Section XI.
Type Code	Symbol Stamp N/A
Certificate	Of Authorization No. 1 N/A Expiration Date Owner or Owner of Designee, Title Expiration Date Date 8/17 1995
Signed	Of Obuford QCDM Date 0/17 1993
	Owner or Owner Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
I, the under	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	MASS and employed by Factory Mutual System of Norwood Massachusetts have inspected the components described in this Owner's Report
	Norwood, Massachusetts have inspected the components described in this Owner's Repo
during the	period $3-20-95$ to $6-4-95$ and state that to the
best of my	knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner
Report in a	ccordance with the requirements of the ASME Code, Section XI.
	this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examination
and correc	tive measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in a
manner for	any personal injury or property damage or a loss of any king arising from or connected with this inspection.
	1/2- Mp 1/2
	Commissions 144 142-0
	Inspector's Signature Commissions MA 142-0 National Board, State, Province, and Endorsements
	이 그
	8-17-1995

As Required by the Provisions of the ASME Code Section XI

Owner	Boston Edison	Co.	Date	12-1-94			
800 Boylsto	on Street, Bostor	ı, MA	Sheet _1	of	1		
Plant	Address Pilgirm Nuclear	Power Station	Unit	±1			
600 Rocky	Name Hill Road, Plym	outh, MA 02360		MR No. 193022	19-7		
Work Performed	Address by Boston Edisor Name	Company		Repair Org le Symbol Stamp tion No	N/A	P.O. No. Job No. 6	etc.
Rocky	HIII Road, Plymo	outh, MA		Date			
Identification of S	ystem		Control	Rod Drive Unit	S		
(b) Applicable Ed	nstruction Code ASM lition of Section XI Uti Components Repaired	lized for Repairs or F	Replacements	1980 Winter 80			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired Replaced or Replacmement	ASME CODE Stampe (Yes or No)
Control Rod Drive	e Rebuild by 8ECo	*see remarks			95	Rebuild	Yes
					-		
		1					
	orkRebuild Co						

Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.

	An in service inspection shall be performed of the assembled CRD Unit
	Applicable Manufacturer's Data Reports to be attached
	when used in the vessel with no visable leaks allowed.
	All replacement parts have been reviewed and ceritified to assure that the appropriate
	parts are being utilized. Also all Sect. XI replacement parts have been procured and
	documented with appropriate MRIR #, also all applicable testing (CRD units) have been
	completed in accordance with procedure 3.M.4-1.1.
	* Applicable serial number te be noted in this box for the conrol rod drive
	unit that is being rebuilt for the appropriate MWI.
	CERTIFICATE OF COMPLIANCE
ASME Cod	e, Section XI.
Type Code	Symbol Stamp N/A
Certificate	of Authorization Non & N/A Expiration Date
Certificate Signed	Owner or Owner's Designee, Title N/A Expiration Date 8/17 1995
	U/Schilore QCDM Date 8/17 1995
Signed	Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of
Signed	Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of and employed by Factory Mutual System of
I, the unde	Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of and employed by Factory Mutual System of Norwood, Massachusetts have inspected the components described in this Owner's Repo
I, the unde Province of during the	Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of and employed by Factory Mutual System of Norwood, Massachusetts have inspected the components described in this Owner's Reported 12-1-94 to 6-4-95 and state that to the
I, the unde Province of during the best of my	Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of and employed by Factory Mutual System of Norwood, Massachusetts have inspected the components described in this Owner's Reported 12-1-94 to 6-4-15, and state that to the knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's
I, the unde Province of during the best of my Report in a	Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of and employed by Factory Mutual System of Norwood, Massachusetts have inspected the components described in this Owner's Reported Action 1/2-1-94 to 6-4-96, and state that to the knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner decordance with the requirements of the ASME Code, Section XI.
I, the unde Province of during the best of my Report in a By signing	Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of and employed by Factory Mutual System of Norwood, Massachusetts have inspected the components described in this Owner's Reported 12-1-94 to 6-4-95, and state that to the knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner coordance with the requirements of the ASME Code, Section XI.
I, the under Province of during the best of my Report in a By signing and correct	Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of and employed by Factory Mutual System Norwood, Massachusetts have inspected the components described in this Owner's Reported 12-1-94 to 6-4-55, and state that to the knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner occordance with the requirements of the ASME Code, Section XI. This certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examination live measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in an analysis.
I, the under Province of during the best of my Report in a By signing and correct	Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of and employed by <u>Factory Mutual System</u> of Norwood, Massachusetts have inspected the components described in this Owner's Report to 6-4-95, and state that to the knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner occordance with the requirements of the ASME Code, Section XI. This certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examination inverse measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in an any personal injury or property damage or a loss of any king arising from or connected with this inspection.
I, the under Province of during the best of my Report in a By signing and correct	Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of and employed by <u>Factory Mutual System</u> of Norwood, Massachusetts have inspected the components described in this Owner's Report to 6-4-95, and state that to the knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner occordance with the requirements of the ASME Code, Section XI. This certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examination inverse measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in an any personal injury or property damage or a loss of any king arising from or connected with this inspection.
I, the under Province of during the best of my Report in a By signing and correct	Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of and employed by Factory Mutual System of Norwood, Massachusetts have inspected the components described in this Owner's Report to 6-7-9-6, and state that to the knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report of the ASME Code, Section XI. This certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examination live measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in an any personal injury or property damage or a loss of any king arising from or connected with this inspection. Commissions MA 1430 National Board, State, Province, and Endorsements
I, the under Province of during the best of my Report in a By signing and correct	Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of and employed by Factory Mutual System of Norwood, Massachusetts have inspected the components described in this Owner's Reporteriod 12-1-94 to 6-4-95 and state that to the knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report ocordance with the requirements of the ASME Code, Section XI. This certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examination live measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in an any personal injury or property damage or a loss of any king arising from or connected with this inspection. Commissions MA 1430

As Required by the Provisions of the ASME Code Section XI

Owner	Boston Edison (Co.	Date	4-20-95			
	Name						
800 Boylst	on Street, Boston	MA	Sheet	of	1		
	Address						
Plant	Pilgirm Nuclear	Power Station	Unit	1			
	Name						
600 Rocky	Hill Road, Plym	outh, MA 02360)	MR# 19500995			
	Address				-	P.O. No. Job No.	etc.
Work Performed	by Boston Edison	Company		e Symbol Stamp _			
0.00	Name			tion No.	N/A		-
Rocky	HIII Road, Plymo	uth, MA	Expiration	Date	N/A		
	Address						
				0 -1			
identification of S	ystem		RX. Re	circ. System			
a) Applicable Co	nstruction CodeASME	I 111	1992	Edition	Addenda	Code C	ase
	lition of Section XI Util						
(b) Applicable Ci	industrial Section At Oth	ized for repairs or i	replacements	1300 FFRIGIT OF	2 Made Nac		
I dentification of	O	as Danisand and D	anlasamant C				
identification of	Components Repaired	or Replaced and R	epiacement C	omponents			
							ASME
			National			Repaired	CODE
Name of	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced or Replacement	Stampe (Yes
Component	Manufacturer	Serial No.	140.	identification	Dunt	Replacmement	or No)
					86	Replace	No
2-HO-261-648	Rockwell	-	agentin .				
2-HO-261-64B	Rockwell			entermand			
2-HO-261-64B	Rockwell						
2-HO-261-648	Rockwell						
2-HO-261-648	Rockwell						
2-HO-261-648	Rockwell						
2-HO-261-648	Rockwell						
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2-HO-261-648	Rockwell						
2-HO-261-648	Rockwell						
2-HO-261-648	Rockwell						
2-HO-261-648	Rockwell						
2-HO-261-648	Rockwell						
	ork_Replace ab	ove per FRN 9	5-03-72.				
Description of W	ork_Replace ab						
Description of W				ssure 🗆 In Serv	ice Leak	Test [★]	
Description of W	orkReplace ab	umatic 🗌 Nominal (Operating Pres		ce Leak	Test ★	
Description of W	ork_Replace ab	umatic 🗌 Nominal (Operating Pres		ce Leak	Test [★]	



recorded at the top of this form.

Applicable Manufacture	er's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
We certify that the statements ma-	ade in the report are correct and this conforms to the rules of the
ASME Code, Section XI.	rebail of ebiacement
Type Code Symbol Stamp	N/A
Type Gode Symbol Glarity	
Certificate of Authorization No.	N/A Expiration Date
Signed U/ Chiffore	QCDM Date 8/14 19 95
Owner or Owner's Desi	signee, Title
	CERTIFICATE OF INSERVICE INSPECTION
I the undersigned holding a valid com	nmission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
Province of MASS	and employed by Factory Mutual System
Norwood, Massachuse	
	95 to $6-4-95$ and state that to
	Owner has performed examinations and taken corrective measures described in this Own
water at 11% to the company of the company of the	
Report in accordance with the requirem	
Report in accordance with the requirem	aspector nor his employer makes any warranty, expressed or implied, concerning the examinati
By signing this certificate neither the In-	
By signing this certificate neither the in- and corrective measures described in	this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in
By signing this certificate neither the in- and corrective measures described in manner for any personal injury or prope	respector nor his employer makes any warranty, expressed or implied, concerning the examination this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in erty damage or a loss of any king arising from or connected with this inspection.
By signing this certificate neither the in- and corrective measures described in manner for any personal injury or prope	this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in erty damage or a loss of any king arising from or connected with this inspection.
By signing this certificate neither the in- and corrective measures described in manner for any personal injury or prope	this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in erty damage or a loss of any king arising from or connected with this inspection.
By signing this certificate neither the in- and corrective measures described in manner for any personal injury or prope	this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in

As Required by the Provisions of the ASME Code Section XI

wner	Boston Edison (Co.	Date	8-17-95			
800 Boylsto	Name on Street, Boston	MA	Sheet 1	of	1		
000 001.00	Address						
ant	Pilgirm Nuclear	Power Station	Unit #	<u> </u>			
600 Rocky	Name Hill Road, Plymo	outh, MA 0236	0 N	MR# 19401360			
	Address					P.O. No. Job No.	etc.
Vork Performed	by Boston Edison Name	Company		tion No.	N/A N/A		
Rocky	HIII Road, Plymo	uth, MA		Date			
	Address						
dentification of S	ystem		HPCI				
			2/2				
	nstruction Code ANSI						
) Applicable Ed	lition of Section XI Utili	ized for Repairs of	Replacements	1300 4411161 00	Addenda		
dentification of C	Components Repaired	or Replaced and f	Replacement C	omponents			
			National			Repaired	ASME CODE
Name of	Name of	Manufacturer		Other	Year		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced or Replacement	Stamped (Yes or No)
Component	Manufacturer Bergen	Serial No.	Board			Replaced or	Stamped (Yes
Component	Manufacturer Bergen Paterson		Board No.			Replaced or Replacmement	Stamped (Yes or No)
Component	Manufacturer Bergen	Serial No.	Board No.			Replaced or Replacmement	Stamped (Yes or No)
Component H23-1-80 H23-1-81	Bergen Paterson Bergen Paterson Bergen Paterson	Serial No.	Board No.	identification		Replaced or Replacmement	Stamped (Yes or No)
Component +23-1-80 +23-1-81	Bergen Paterson Bergen Paterson	Serial No.	Board No. N/A N/A	identification	Built	Replaced or Replacement Repair	Stamped (Yes or No) N/A
Component +23-1-80 +23-1-81	Bergen Paterson Bergen Paterson Bergen Paterson	Serial No.	Board No. N/A N/A	identification	Built	Replaced or Replacement Repair	Stamped (Yes or No) N/A
10.000000000000000000000000000000000000	Bergen Paterson Bergen Paterson Bergen Paterson	Serial No.	Board No. N/A N/A	identification	Built	Replaced or Replacement Repair	Stamped (Yes or No) N/A
Component 123-1-80 123-1-81	Bergen Paterson Bergen Paterson Bergen Paterson	Serial No.	Board No. N/A N/A	identification	Built	Replaced or Replacement Repair	Stamped (Yes or No) N/A
Component H23-1-80 H23-1-81	Bergen Paterson Bergen Paterson Bergen Paterson	Serial No.	Board No. N/A N/A	identification	Built	Replaced or Replacement Repair	Stamped (Yes or No) N/A
Component H23-1-80 H23-1-81	Bergen Paterson Bergen Paterson Bergen Paterson	Serial No.	Board No. N/A N/A	identification	Built	Replaced or Replacement Repair	Stamped (Yes or No) N/A
Component H23-1-80 H23-1-81 H23-1-82	Bergen Paterson Bergen Paterson Bergen Paterson	Serial No.	Board No.	Identification	Built	Replaced or Replacement Repair	Stamped (Yes or No) N/A
Component H23-1-80 H23-1-81 H23-1-82 Description of Wi	Bergen Paterson Bergen Paterson Bergen Paterson	Serial No.	Board No. N/A N/A N/A N/A	d spring cans.	Built	Replaced or Replacement Repair	Stamped (Yes or No) N/A

tion 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.

	Applicable Manufactu	rer's Data Repo	rts to be attached			
			127			and the second s
		CERT	IFICATE OF COM	PLIANCE		
						forms to the rules of the
We certify t	that the statements m	ade in the report	t are correct and this	repair or res	placement	orms to the rules of the
ASME Code, Se	ction XI.					
Type Code Symb	ool Stamp		N/A			
Certificate of Aut	Inprization No.	N/A	Expi	ration Date_		
Signed ()	() chilin	COCD 4	5		Date 8/18	.1995
Signed(Owner or Owner's De		1			
		CERTIFICA	TE OF INSERVICE	EINSPECT	ON	
I, the undersigne	ed, holding a valid cor	nmission issued	by the National Bo	ard of Boiler	and Pressure Ves	isel Inspectors and the State
Province of	MASS		and	employed b	y Factory Mutual	System
			have	e inspected	the components de	escribed in this Owner's Rep
during the period	1			to _2	2-18-95	and state that to
					en corrective meas	ures described in this Owne
Report in accord	ance with the require	ments of the AS	ME Code, Section 2	().	surveyed or implicati	d concerning the evernination
By signing this c	ertificate neither the I	nspector nor his	employer makes ar	y warranty,	expressed or implie	d, concerning the examination
						employer shall be liable in a
manner for any p	personal injury or prop	erty damage or	a loss of any king a	ising from o	r connected with thi	is inspection.
118-	wan.		Commissions	MA	1420	
Inst	pector's Signature		OUTHTHISSIONS_	National	Board, State, Providence	nce, and Endorsements

As Required by the Provisions of the ASME Code Section XI

		and the state of the state of the same of	Co.	Date	2-9-95			-
	Na					-5.7		
800 Bo		Street, Boston	i, MA	Sheet	of	1		
		dress	Dawes Chatian	11.00				
Plant			Power Station	Unit	F]			
600 Po	Na:	110	outh, MA 0236	0 1	MR# 19401201			
000 R0		ress	OUITI, IVIA 0230	<u> </u>			P.O. No. Job No.	etc
Nork Perfor		Boston Edisor	Company	Type Cor	de Symbol Stamp _	To the second	F.O. 140. 300 140. 1	
TYDIN I GITOI	Na	and the second s	Johnparit					
Ro		Road, Plymo	outh, MA	Expiration	Date	N/A		
		dress			-			
dentification	of Syste	m		Main S	team System i	# 01	and the second second beautiful second	
	la Canaka		0/44/01/02/1/100	Californ	Addanda	-	Codo Caso	
			S/ANSI B31 1 1967 lized for Repairs or					
(b) Applicat	ie Edition	or Section At Util	ized for Repairs of	Replacements	1900 AAILITEE C	o Addenda		
		nonents Renaired	or Replaced and R	enlacement C	omponents			
Identificatio	n of Comi		at trapials and area		and the second second			
Identificatio	n of Com							
Identificatio	n of Com			Г		1		
Identificatio	n of Comp			National	SE SE SEMBLE AND SOURCE OF PROPERTY AND SOURCE SERVICES.		Georgiand	ASME
			Manufacturer	National Board	Other	Year	Repaired Replaced or	ASME CODE Stamped
Name Compor	of	Name of Manufacturer	Manufacturer Serial No.		Other Identification	Year Built	The second second	CODE Stamped (Yes
Name	of	Name of	The state of the s	Board			Replaced or	CODE Stamped
Name	of	Name of	The state of the s	Board			Replaced or	CODE Stamped (Yes
Name	of	Name of Manufacturer	The state of the s	Board			Replaced or	CODE Stamped (Yes
Name Compor	of	Name of	Serial No.	Board		Built	Replaced or Replacmement	CODE Stamped (Yes or No)
Name Compor	of	Name of Manufacturer	Serial No. body #6302	Board		Built	Replaced or Replacmement	CODE Stamped (Yes or No)
Name Compor	of	Name of Manufacturer	Serial No. body #6302 was not	Board		Built	Replaced or Replacmement	CODE Stamped (Yes or No)
Name Compor	of	Name of Manufacturer	Serial No. body #6302 was not	Board		Built	Replaced or Replacmement	CODE Stamped (Yes or No)
Name Compor	of	Name of Manufacturer	Serial No. body #6302 was not	Board		Built	Replaced or Replacmement	CODE Stamped (Yes or No)
Name Compor	of	Name of Manufacturer	Serial No. body #6302 was not	Board		Built	Replaced or Replacmement	CODE Stamped (Yes or No)
Name Compor	of	Name of Manufacturer	Serial No. body #6302 was not	Board		Built	Replaced or Replacmement	CODE Stamped (Yes or No)
Name Compor	of	Name of Manufacturer	Serial No. body #6302 was not	Board		Built	Replaced or Replacmement	CODE Stamped (Yes or No)
Name Compor	of	Name of Manufacturer	Serial No. body #6302 was not	Board		Built	Replaced or Replacmement	CODE Stamped (Yes or No)
Name Compor	of	Name of Manufacturer	Serial No. body #6302 was not	Board		Built	Replaced or Replacmement	CODE Stamped (Yes or No)

emarks	*Note: SRV set pressures are calibrated by the vendor per
	Applicable Manufacturer's Data Reports to be attached
	Tech Spec. No additional testing is required.
	AND THE AT ADMINISTRA
	CERTIFICATE OF COMPLIANCE
We ce	ertify that the statements made in the report are correct and this conforms to the rules of the
ASME Cod	te. Section XI.
7101112 000	
Type Code	Symbol Stamp N/A
Type Code	
Certificate	of Authorization No. N/A Expiration Date Date 8 19 95
Signed	(1) Classe OCAM Date 8/19 95
org, roo	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
1 the under	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of
	and employed by Factory Mutual System of
	Norwood, Massachusetts have inspected the components described in this Owner's Report
during the	period $2-9-95$ to $6-9-95$ and state that to the
best of my	knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner
	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 examination
	tive measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in an
manner for	r any personal injury or property damage or a loss of any king arising from or connected with this inspection.
	10 2
	Commissions MA 1420
	Inspector's Signature Commissions MA 143-6 National Board, State, Province, and Endorsements
	8-18 1995

As Required by the Provisions of the ASME Code Section XI

		Co.	Date	2-10-95			
900 Boylet	Name	MA	Sheet 1	of	1		
auu Boyisi	on Street, Boston	, MA	Sheet	or			
Plant	Pilgirm Nuclear	Power Station	Unit #	£1			
	Name						
600 Rocky	Hill Road, Plym	outh, MA 0236	0	MR# 19401367			
Val. Balance	Address	Compony	Tors Car			P.O. No. Job No.	
vork Performed	by Boston Edison	Company		le Symbol Stamp tion No	ally to blood or the second of the		
Rocky	HIII Road, Plymo	uth. MA		Date			
	Address						
dentification of	System		RHR				
	onstruction Code ANS dition of Section XI Util						dse
identification of	Components Repaired	or Replaced and R	eplacement C	omponents			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired Replaced or Replacmement	ASME CODE Stamped (Yes or No)
MO-1001-34A	Anchor Darling		-		69	REPLACE	No
	Darning				-		
					T		
					-		
						MALAINE CONTRACTOR	
	9 5						
Description of W	/orkInstallation	of pressure reli	ef valve/pi	ping of use bon	net cav	ity on MO-100	1-34A.
Tests Conducte	d. Hydrostatic 🗌 Pne	umatic Nominal	Operating Pres				
		psi Tes			at non	mal operating p	pressure

recorded at the top of this form.

Appricable Manufacturer's Data Report	ts to be attached to be attached
CERT	IFICATE 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 of epiacement
ASME Code, Section Al.	
Type Code Symbol Stamp	N/A
Certificate of Authorization No. A N/A	CDM Date 8/8 ,19 95
Signed U/ Schift G	1CDM Date 8/8 .19 95
Owner or Owner's Designee, Title	
OPPTICION	TE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued	by the National Board of Boiler and Pressure Vessel Inspectors and the State
Province of MASS	and employed by Factory Mutual System Council Report
Norwood, Massachusetts	have inspected the components described in this Owner's Report to 6 4 9 5 and state that to the
during the period 270 75	rformed examinations and taken corrective measures described in this Owner
Report in accordance with the requirements of the ASI	
	employer makes any warranty, expressed or implied, concerning the examination
	Report. Furthermore, neither the Inspector nor his employer shall be liable in a
	a loss of any king arising from or connected with this inspection.
mainter for any personal injury or property darriage or	
100	110 11620
115 byent.	Commissions 17A 17
Icapector's Signature	Commissions 79A 97 National Board, State, Province, and Endorsements
Inspector's Signature Date 8-1819 95	Commissions 79 9 9 National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code Section XI

CARLIES.	Boston Edison (Co.	Date	1-25-95			
800 Boylete	Name on Street, Boston	МА	Sheet 1	of	1		
OUU DUYISIC	Address	, IVIA		01			
Plant	Pilgirm Nuclear	Power Station	Unit #	‡ 1	and the second		
enn Packy	Name Hill Road, Plyme	outh MA 0236	0 4	MR# 19403488			
GOO ROCKY	Address	04th, MA 0250	0	And the second s	ganization	P.O. No. Job No.	etc.
Work Performed	by Boston Edison	Company		ie Symbol Stamp _			
	Name			tion No.	N/A		-
Rocky	HIII Road, Plymo Address	uth, MA	Expiration	Date	N/A		
	Address						
Identification of S	ystem		Salt Se	rvice Water			
			1067	Edition	Addonda	Code C	200
	nstruction Code B31.						256
(b) Applicable Co	morr or occupit Air on	acoustic repairs of					
Identification of (Components Repaired	or Replaced and F	Replacement C	omponents			
			National			Repaired	ASME
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced or Replacmement	Stamped (Yes or No)
A COMPLETE OF THE	1.134(1)36 311	Committee of the commit		Sec. 411 7.461	7.00	The state of the s	
Component	1.134(1)36 311	Committee of the commit		Sec. 411 7.461	7.00	Replacmement	(Yes or No)
Component	1.134(1)36 311	Control of the contro		Sec. 411 7.461	7.00	Replacmement	(Yes or No)
Component	1.134(1)36 311	Control of the contro		Sec. 411 7.461	7.00	Replacmement	(Yes or No)
Component	1.134(1)36 311	Control of the contro		Sec. 411 7.461	7.00	Replacmement	(Yes or No)
Component	1.134(1)36 311	Control of the contro		Sec. 411 7.461	7.00	Replacmement	(Yes or No)
Component	1.134(1)36 311	Control of the contro		Sec. 411 7.461	7.00	Replacmement	(Yes or No)
Component	1.134(1)36 311	Control of the contro		Sec. 411 7.461	7.00	Replacmement	(Yes or No)
Component	1.134(1)36 311	Control of the contro		Sec. 411 7.461	7.00	Replacmement	(Yes or No)
Component	1.134(1).00	Control of the contro		Sec. 411 7.461	7.00	Replacmement	(Yes or No)
Component FE-6240 Bolting	Manufacturer	Serial No.	No.	Sec. 411 7.461	7.00	Replacmement	(Yes or No)
Component FE-6240 Bolting	1.134(1).00	Serial No.	No.	Sec. 411 7.461	7.00	Replacmement	(Yes or No)
Component FE-6240 Bolting Description of W	Manufacturer	Serial No.	No.	Identification	Built ice Leak	Replace Replace Test at flange	(Yes or No)

Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.

		eMPLETED acturer's Data Reports to be			
-					AND DESCRIPTION OF THE PARTY OF
		CERTICICAT	TE OF COMPLIAN	CE	
		CERTIFICAT	E OF COMPLIAN		
Wed	certify that the statement	ts made in the report are cor	rrect and this		rms to the rules of the
ASME Co	de, Section XI.		repair	or repracement	
Type Code	e Symbol Stamp		N/A		
Certificate	of Authorization No	N/A	Expiration (- /-	05
Signed	U Schike	- QCDM		Date 8/18	.19 95
	Owner or Owner's	B Designee, Title			
		CERTIFICATE OF	INSERVICE INSE	ECTION	
I, the unde	ersigned, holding a valid	d commission issued by the	National Board of	Boiler and Pressure Vess	el Inspectors and the State
-	. 11000		and amake	condition Contant Midral C	Cumbram
	Norwood, Massac	chusetts	have inspe	ected the components des	scribed in this Owner's Rep
during the	period /- o	chusetts 25-95 the Owner has performer		10 6.4-95	, and state that to
best of m	y knowledge and belief	f, the Owner has performed	d examinations an	d taken corrective measur	res described in this Owne
W	accordance with the req	quirements of the ASME Coo	de, Section XI.		
Report in	this certificate neither I	the inspector nor his employ	yer makes any wan	ranty, expressed or implied	, concerning the examination
By signing		of to this Commis County	Furthermore, neith	her the inspector nor his	employer shall be liable in
By signing		ed in this Owners Report			
By signing	ctive measures describe	property damage or a loss of		rom or connected with this	
By signing	ctive measures describe or any personal injury or	property damage or a loss of	of any king arising f		
By signing	ctive measures describe or any personal injury or	property damage or a loss of	of any king arising f		inspection.
By signing	ctive measures describe or any personal injury or		of any king arising f		inspection.

As Required by the Provisions of the ASME Code Section XI

wner Boston Edison Co.			Date	4-20-9	5					
800 Boy	iston Street, Bosto	n, MA	Sheet	of	1					
Diant	Address Dilgion Nuclea	r Dower Station	Unit #	11						
Plant	Name	r Power Station	Unit	1						
600 Ro	cky Hill Road, Plyr	nouth MA 02360	n A	MR# 19500995						
000 1100	Address	HOURT, MICH OR GO		The second second second second second second		P.O. No. Job No. 6	etc.			
Nork Perform	med by Boston Ediso	n Company	Type Coo	le Symbol Stamp _	-					
	Name			tion No.						
Roc	ky Hill Road, Plym		Date							
	Address									
dentification	of System		Rx. Re	circ. System						
	e Construction CodeASI						ase			
b) Applicabl	e Edition of Section XI U	tilized for Repairs or I	Replacements	1980 Winter 8	0 Addenda					
Identification	of Components Repaire	ed or Replaced and R	eplacement C	omponents						
						·				
							ASM			
			National			Repaired	COD			
Name o		Manufacturer	Board	Other	Year	Replaced or	Stamp			
Compon	ent Manufacturer	Serial No.	No.	Identification	Built	Replacmement	or No			
							0.110			
2-HO-261-6	48 Rockwell	_	-	_	86	Replace	No			
Description o	of Work Replaced	bove per FRN 9	5-03-72.							
				In San	rice Lead	Tast *				
	of Work Replaced			ssure 🗆 In Serv	rice Leak	(Test [★]				

Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.

emarks	WOKE	COMPLETED	CER	MK/190	WY.
	Applicable Manufa	cturer's Data Reports to be atta	ched		
			×		
		CERTIFICATE OF	F COMPLIANCE		
We ce	ertify that the statement	s made in the report are correct	and this		rms to the rules of the
ASME Cod	le, Section XI.		repair or rep	acement	
Type Code	Symbol Stamp		N/A		
Cartificate	of Authorization No.	, N/A	Expiration Date_		
Certificate	of Authorization (40	1	Expiration Date	0/10	Gr.
Signed	Owner or Owner's	Davissas Title	0	ate	19 70
	Owner or Owner's	Designee, Title			
		CERTIFICATE OF INSI	ERVICE INSPECTI	ON	
I the content		commission issued by the National	and Board of Bailes	and Dranning Vans	al lacactors and the State
	MASS	commission issued by the Natio			
r totalog of	Norwood, Massac	husetts	have inspected t	he components des	cribed in this Owner's Rep
during the		095	to	6-4-95	and state that to
	The state of the s	the Owner has performed exa		and the second s	
		uirements of the ASME Code, S			
		he Inspector nor his employer m		expressed or implied	i, concerning the examination
		ed in this Owner's Report. Furt			
	1110			1	
	11- Hens	Commis	ssions MA	1400	
	The second		******	Board State Dravin	ce, and Endorsements
	Inspector/s Signature)	National	poard, state, Frogrif	ce, and Endorsements
		Commis Commis	National	Soard, State, Provin	ce, and choorsements

As Required by the Provisions of the ASME Code Section XI

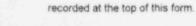
		1	Co.	_ Date	9-9-94			
		Street, Bostor	n MA	Sheet	1 of	1		
		Address	1, 1417	. Offeet	10			-
1	Plant F	Pilgirm Nuclea	r Power Station	Unit_3	#1			
		lame					7	
e.,	600 Rocky H	till Road, Plym	outh, MA 0236	0 1	MR# 19401287	7		
		ddress	Later Control			-	P.O. No. Job No.	etc.
. 1	Work Performed by		n Company		de Sylnbol Stamp _			
		lame II Road, Plymo	nith MAA		ation No.			
		ddress	Julii, IVIA	Expiration	n Date	NA	***************************************	
		401633						
i	dentification of Sys	tem		'A' Recir	rc Pump			
	(a) Applicable Cons (b) Applicable Edition							
		4	d as Danis and C	Peplacement C	omponents			
	identification of Cor	mponents Repaired	or Replaced and R	. apria a a man m				
	Name of	Name of	Manufacturer	National Board	Other	Year	Repaired Replaced or	ASME CODE Stamped
				National	Market of the same	Year Built		CODE
	Name of	Name of	Manufacturer	National Board No.	Other		Replaced or Replacmement	CODE Stamped (Yes or No)
-	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other		Replaced or	CODE Stamped (Yes
-	Name of Component Snubber	Name of Manufacturer Bergen	Manufacturer Serial No.	National Board No.	Other		Replaced or Replacmement	CODE Stamped (Yes or No)
-	Name of Component Snubber	Name of Manufacturer Bergen	Manufacturer Serial No.	National Board No.	Other		Replaced or Replacmement	CODE Stamped (Yes or No)
-	Name of Component Snubber	Name of Manufacturer Bergen	Manufacturer Serial No.	National Board No.	Other		Replaced or Replacmement	CODE Stamped (Yes or No)
4	Name of Component Snubber	Name of Manufacturer Bergen	Manufacturer Serial No.	National Board No.	Other		Replaced or Replacmement	CODE Stamped (Yes or No)
-	Name of Component Snubber	Name of Manufacturer Bergen	Manufacturer Serial No.	National Board No.	Other		Replaced or Replacmement	CODE Stamped (Yes or No)
-	Name of Component Snubber	Name of Manufacturer Bergen	Manufacturer Serial No.	National Board No.	Other		Replaced or Replacmement	CODE Stamped (Yes or No)
4	Name of Component Snubber	Name of Manufacturer Bergen	Manufacturer Serial No.	National Board No.	Other		Replaced or Replacmement	CODE Stamped (Yes or No)
4	Name of Component Snubber	Name of Manufacturer Bergen	Manufacturer Serial No.	National Board No.	Other		Replaced or Replacmement	CODE Stamped (Yes or No)

			CERTI	FICATE O	F COMPLIA	ANCE		
							conf	orms to the rules of the
We ce	rtify that the state	ments made it	the report	are correct	and this_rep	air or replace		Offile to the raise of the
ASME Code	e. Section XI.							
Type Code	Symbol Stamp				N/A			
Cartificato	of Authorization No		N/A		Expiration	n Date		-
Certificate o		COL	00			Date	8//8	19 90
Signed	Owner or Ow	ner's Designe	e. Title	- 13 - 1		Date	710	
	Owner or or	101.0 101.0						
		(CERTIFICAT	TE OF INS	ERVICEIN	SPECTION		
		and a value of a	sian innued	but the Albe	ional Board	of Boiler and	Pressure Ves	ssei Inspectors and the S
I, the under	signed, holding a	Valid commis	sion issued	by the real	and em	ployed by	Factory Mutua	System
Province of	Norwood Ma	ssachusetts			have in	enacted the	components di	escribed in this Owner's
during the r	parind 9	9-95				to 6 '9	()	and state triat
best of my	knowledge and b	sellef, the Ow	mer has per	rformed ex	aminations	and taken o	orrective meas	ures described in this C
Depart in a	coordance with th	e requirement	s of the ASA	ME Code.	Section XI.			
Du signing	this cortificate nei	ther the Inspe	ctor nor his	employer r	makes any v	varranty, expr	ressed or impli	ed, concerning the exami
and correct	tive measures des	scribed in this	Owner's R	eport. Ful	rthermore, r	neither the in	spector nor his	s employer shall be liable
manner for	any personal inju	y or property	damage or a	a loss of ar	ny king arisii	ng from or co	nnected with th	his inspection.
	1/2 h.	n.			feeless	MA	1420	
-	Inspector's Sign			Comm	issions	National Boa	rd State Prov	ince, and Endorsements
	Inspector's Sign	nature				Hadonar Dod		

(12/82)

As Required by the Provisions of the ASME Code Section XI

wner	Boston Edison	Co.	Date	9	-9-94			
	Name							
	n Street, Bostor Address	I, MA	Sheet _	10	d	1		
	Comment of the Comment	Power Station	Unit	#1				
	Name							
600 Rocky	Hill Road, Plym	outh, MA 02360)	MR# 1940	01329)		
	Address				-		P.O. No. Job No.	etc.
Work Performed b	y Boston Edisor	Company		ode Symbol S				
	Name			ration No		N/A		
	IIII Road, Plyrne	outh, MA	Expiration	on Date		N/A		
	Address							
destification of Su	etom		BREC	irc Loop				
dentification of Sy	21011		0 1100		MARKETON MICHIGAN		A	
a) Applicable Con	struction Code USA	S B31.1 1967	Edition	- Ac	ddenda	_	Code Case	
		lized for Repairs or F			Vinter 8	80 Addenda		
.,								
dentification of Co	mponenta Repaired	or Replaced and Ri	eplacement	Components				
deranoution or or	omportanto respanto	or respirated and re-	a primara i marita	a arrige arrival				
	T					T		
			National				Repaired	ASME
Name of	Name of	Manufacturer	Board	Othe	er	Year	Replaced or	Stamped
Component	Manufacturer	Serial No.	No.	Identific	cation	Built	Replacmement	(Yes
								or No)
Snubber	Bergen	414					Replace	No
SS-2-20-04	Pateson		-					
		1 1						
						-		
					The state of the state of			
Description of Wor	k Removedar	d replace snubl	per per M	WP 19401	1329-	1.		
				and the last of th	Control on the second			
Tests Conducted:	Hydrostatic Pne	umatic Nominal C	perating Pri	essure 🗌				
*	Other Pressure	psi Test	Temp.	۰۶	0			
*	Pre-Installation							
		ches, or drawings m	ay be used,	provided (1)	size is	8½ in. x 11	in. (2) informa-	
			ay be used,	provided (1)	size is	8½ in. x 11	in. (2) informa-	



(12/82)

Applicable Manufacture	er's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
We certify that the statements ma	ade in the report are correct and thisconforms to the rules of the
	repair or replacement
ASME Code, Section XI.	
Type Code Symbol Stamp	N/A
Certificate of Authorization No.1	N/A Expiration Date
	QCDM Date 8/8 ,19 95
Owner or Owner's Des	
Office of Office a Dea	THE THE STATE OF T
	CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid com	nmission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
Province of MASS	and employed by Factory Mutual System
Norwood, Massachuse	have inspected the components described in this Owner's Res to 6-4-95, and state that to
during the period 9-4-94	Owner has performed examinations and taken corrective measures described in this Own
Report in accordance with the requirer	
	respector nor his employer makes any warranty, expressed or implied, concerning the examination
and corrective measures described in	this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in
	erty damage or a loss of any king arising from or connected with this inspection.
113. Hun	Commissions MA 1420
Inspector's Signature	Commissions MA 142-0 National Board, State, Province, and Endorsements
Date8181	1

As Required by the Provisions of the ASME Code Section XI

mer	Boston Edison	Co.	Date	9-9-94		حينا استنصاب	
	Name						
800 Boylsto	on Street, Boston	n, MA	Sheet _	1 of	1		
	Address	Danna Ctation					
lant	Pilgirm Nuclea	Power Station	Unit	#1			
600 Rocky	Name Hill Road, Plym	outh MA 0236	0	MR# 1940133	3		
OUD INDONY	Address	104(11, 14)2 0200	~			P.O. No. Job No.	etc.
Nork Performed	by Boston Edisor	Company	Type Co	de Symbol Stamp			
	Name		Authoriza	ation No.	N/A		
Rocky	HIII Road, Plymo	outh, MA	Expiratio	n Date	N/A		
	Address						
			0	and the second			
dentification of S	ystem		Core S	pray			
Annianhia Ca	nstruction Code USA	C 931 1 1067	Edition	Addand	3. —	Code Case	
					80 Addenda		
) Applicable Ed	ition of Section XI Uti	nzed for Repairs or	Replacements	1900 AAIII(6)	ou Addenda		
American Indiana	المساول المساول	ويدر كالروس ال					
dentification of C	components Repaired	or Replaced and R	Replacement C	Components			
				***			1
							ASME
			National	0.11	V	Repaired	CODE
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced or Replacement	Stamped (Yes
Component	ividi la la caractar es	Suna Ho.	110	To a transmission	- Julia	Tropia di Tropia	or No)
Snubber	Bergen	408				Replace	No
SS-14-3-03	Paterson	400		* Appelier (*)		Nepidoe	110
							-
							İ
Description of Wo	rk_ Removedar	d replaces nub	ber per MV	NP 19401333-	1.		
and the same of the same	Tromovayar	a ropidodionab	DOI DOI 1419	10401000	-		na maritmananan
ests Conducted	Hydrostatic Pne	eumatic Nominal	Operating Pre	ssure 🗍			
201340100	Jaramana C Tila		operating rice	west when			
*	Other Pressure_	oni Ton	t Temp	۰۶			
	Pre-Installation		remp.				
	s in form of lists, sket		nay ha usad s	provided (1) eize ie	814 in v 11	in (2) informa	
	entronition hata, and	THE PROPERTY OF THE PARTY OF TH	THE WORLD LINES !	THE PROPERTY OF THE PARTY OF TH	W/4 Ht. A 11	HILL (A) HILLOHILLIA	
	h 6 on this report is						No.

recorded at the top of this form.

Marks Applicable Manufacturer's Data	Danade to be attached
Applicable Manufacturer's Data	mepons to be attached
	CERTIFICATE OF COMPLIANCE
We certify that the statements made in the	report are correct and thisconforms to the rules of the repair or replacement)
ASME Code, Section XI.	repair of replacement
T 0-1-0-1-1-1-1-	N/A
Type Code Symbol Stamp	NA
Certificate of Authorization No.	N/AExpiration Date
0.601 000	M Date 8/18 19 95
Signed Color CC DI	Date O/K
Owner or Owner's Designee, Tit	10
CERT	TIFICATE OF INSERVICE INSPECTION
I the undersigned, holding a valid commission i	ssued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta
Province of MASS	and employed by Factory Mutual System
	have inspected the components described in this Owner's Re
during the period 9-9-94	to 6-495 and state that to
hest of my knowledge and belief the Owner h	has performed examinations and taken corrective measures described in this Own
Report in accordance with the requirements of the	
	nor his employer makes any warranty, expressed or implied, concerning the examina
	ner's Report. Furthermore, neither the inspector nor his employer shall be liable in
	age or a loss of any king arising from or connected with this inspection.
Λ Λ	
	MA 1420
1/2 War	Commissions
1/2 Marker	Makesai Canad Chata Descines and Fordersonate
Inspector's/Signature	National Board, State, Province, and Endorsements
Inspector's/Signature Date \$18.19.95	National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code Section XI

Owner	Boston Ediso	n Co.	Date	3-9-95			
	Name						
800 Boy	Iston Street, Bost	on, MA	Sheet _	1of	2		
	Address			***			
Plant		ar Power Station	Unit	#1			
600 Boo	Name	mouth MAA 0226	0	See List Page 2	06-3	CEE 033	D-0
000 R00	ky Hill Road, Ply Address	mouth, MA 0230				P.O. No. Job No.	
Work Perform			Type C	ode Symbol Stamp		F.O. 140. 300 140. 1	210
AAOLY L GITOILI	Name				N/A		
Wine	dsor, CT			on Date			
	Address		1				
Identification	of System		Contr	ol Rod Drive			
	Construction CodeAS						
(b) Applicable	Edition of Section XI	Utilized for Repairs or	Replacemen	nts 1980 Winter 80	Addenda		
Identification	of Components Repair	red or Replaced and F	Replacement	Components			
			,		-	,	,
							ASME
		1	National			Repaired	CODE
Name o		Manufacturer	Board	Other	Year	Replaced or	Stampe
Compone	ent Manufacture	r Serial No.	No.	Identification	Built	Replacmement	(Yes
				Can Link Comp 2 of	+	ranigaad	No
ann Harris		-	Name of Street	See List Page 2 of 2 for drive numbers	-	replaced	140
CRD Housing	9						-
CRD Housing Boilting	9	-		The second secon	,		
	9			SEE 632 R/c	,		
	9			The second secon	,		
	9			The second secon			
	9			The second secon	,		
	9			The second secon			
	9			The second secon			
	9			The second secon			
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	g			The second secon			
	9			The second secon			
Bolting		housing can see	awe nor S	SEE 632 R/C			
Bolting	f Work Replaced	housing cap scr	ews per S	SEE 632 R/C			
Boiting Description of	f Work_Replaced			SEE 632 Ryc		Check *	
Boiting Description of				SEE 632 Ryc		Check *	
Boiting Description of	f WorkReplaced		Operating Pr	E.E. 632 Rev. 0.		Check *	

Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.

Applicable Manufacturer's Data Re	ports to be attached
CE	RTIFICATE OF COMPLIANCE
We certify that the statements made in the rep	port are correct and this replacement 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 U Chart GCD h Ownerfor Owner's Designee, Title	Expiration Date Date 9/14 .19 95
CERTIFI	CATE OF INSERVICE INSPECTION
	ued by the National Board of Boiler and Pressure Vessel Inspectors and the State
Province of MASS	and employed by Factory Mutual System
Norwood, Massachusetts during the period 3-9-95	have inspected the components described in this Owner's Re
	performed examinations and taken corrective measures described in this Own
Report in accordance with the requirements of the	
	his employer makes any warranty, expressed or implied, concerning the examinat
	s Report. Furthermore, neither the Inspector nor his employer shall be liable in
	or a loss of any king arising from or connected with this inspection.
1 he he	4.4/
J-Men-	Commissions MA 142 to National Board, State, Province, and Endorsements
Inspector's Signature	National Board, State, Province, and Endorsements

NIS-2 ATTACHMENT

page 2 of 2

RFO #10 CONTROL ROD DRIVE CHANGEOUTS WITH BOLTING (CAP SCREWS) REPLACEMENT

CRD No.	MAINTENANCE REQUEST No
46-31	19401389
14-47	19203608
50-39	19303833
06-31	19203729
10-23	19401344
02-15	19303646
06-19	19303830
30-23	19500628
22-35	19500629
38-15	19500630
10-07	19500631
14-23	19500632
42-07	19500633
46-35	19500634

As Required by the Provisions of the ASME Code Section XI

Owner	Boston Ediso	on Co.	Date	5-17-	95		
	Name						
600 Rock	y Hill Road, Ply	mouth MA 02	360 She	et _1 of	2 W	atttachment-	
	Address						
Plant	Pilgirm Nucl	ear Power Sta	tion Unit	#1			
	Name						
600 Rock	y Hill Road, Pl	ymouth, MA 0	2360	P.O. #LSP00		MR#194034	
	Address					tion P.O. No. Job No.	o etc.
Vork Performe	d by General Elec	ctric Nuclear En		e Code Symbol Stamp			
275.0	Name	1000 CA 05125		norization No.			
2/50	urtner Ave, San . Address	058, CA 95125		iration Date	IAN		
	Address						
dentification of	System		Re	actor Pressure V	essel		
derminoanor: or		ASME B&PV	130	40101110000101	M.M.M.Malarana		
a) Applicable (A SECTION ASSESSMENT OF	65 Editio	on, thru Summer 66	Addenda.	N/A Code	Case
	Edition of Section XI					Attached (Nformtion)	
u) Applicable (South of Section A	Others to Hopan	o or replacer	10001100		mastra it traininging	
Identification o	f Components Repa	ired or Replaced a	nd Penlacem	ent Components			
dentinoation o	Componenta Nepa	med or replaced a	no replacem	on components			
	T	T	T	T	T	T	
			No. Process				ASME
Name of	Name of	Manufacturer	National Board	Other	Year	Repaired Replaced or	Stampe
Component	Manufacturer	Serial No.	No.	Identification	Built	Replacmement	(Yes
Component				1			or No)
Component			1	1	4		1
Component							
Reactor Pres-	Combustion	CE66107	20763	contract 21466	1967	see attached	Yes
	Combustion Engineering	CE66107	20763	contract 21466	1967	see attached	Yes
Reactor Pres-		CE66107	20763 N/A	contract 21466	1967	see attached	Yes
Reactor Pressure Vessel	Engineering						
Reactor Pres- sure Vessel Reactor Core	Engineering sun					replacement see	
Reactor Pres- sure Vessel Reactor Core Shroud	Engineering sun shipbuilding	N/A	N/A	contract 42175	1968	replacement see attached	No
Reactor Pres- sure Vessel Reactor Core Shroud	Engineering sun shipbuilding GE Nuclear	N/A Individual	N/A	contract 42175	1968	replacement see attached new	No
Reactor Pres- sure Vessel Reactor Core Shroud	Engineering sun shipbuilding GE Nuclear	N/A Individual	N/A	contract 42175	1968	replacement see attached new	No
Reactor Pres- sure Vessel Reactor Core Shroud	Engineering sun shipbuilding GE Nuclear	N/A Individual	N/A	contract 42175	1968	replacement see attached new	No
Reactor Pres- sure Vessel Reactor Core Shroud	Engineering sun shipbuilding GE Nuclear	N/A Individual	N/A	contract 42175	1968	replacement see attached new	No
Reactor Pres- sure Vessel Reactor Core Shroud	Engineering sun shipbuilding GE Nuclear	N/A Individual	N/A	contract 42175	1968	replacement see attached new	No
Reactor Pres- sure Vessel Reactor Core Shroud	Engineering sun shipbuilding GE Nuclear	N/A Individual	N/A	contract 42175	1968	replacement see attached new	No
Reactor Pres- sure Vessel Reactor Core Shroud	Engineering sun shipbuilding GE Nuclear	N/A Individual	N/A	contract 42175	1968	replacement see attached new	No
Reactor Pres- sure Vessel Reactor Core Shroud Shroud Stabilizers	Engineering sun shipbuilding GE Nuclear Engergy	N/A Individual Parts Only	N/A N/A	contract 42175 DRF B11-00617	1968	replacement see attached new components	No
Reactor Pres- sure Vessel Reactor Core Shroud Shroud Stabilizers	Engineering sun shipbuilding GE Nuclear Engergy	N/A Individual Parts Only	N/A N/A	contract 42175	1968	replacement see attached new components	No
Reactor Pres- sure Vessel Reactor Core Shroud Shroud Stabilizers	Engineering sun shipbuilding GE Nuclear Engergy	N/A Individual Parts Only sets of axial a	N/A N/A	contract 42175 DRF B11-00617 acting shroud st	1968	replacement see attached new components	No
Reactor Pres- sure Vessel Reactor Core Shroud Shroud Stabilizers	Engineering sun shipbuilding GE Nuclear Engergy Work Install four	N/A Individual Parts Only sets of axial a	N/A N/A nd radially	contract 42175 DRF 811-00617 acting shroud st	1968	replacement see attached new components	No
Reactor Pres- sure Vessel Reactor Core Shroud Shroud Stabilizers	Engineering sun shipbuilding GE Nuclear Engergy Work Install four	N/A Individual Parts Only sets of axial a	N/A N/A nd radially	contract 42175 DRF 811-00617 acting shroud st	1968	replacement see attached new components	No

marks	Provided permanent modification for the reactor vessel core shroud.
	Applicable Manufacturer's Data Reports to be attached
	Modification consisted of four sets of axial and radially acting shroud stabilizers
	installed 90 degrees apart around perimeter of shroud in the jet pump annulus.
	per BECo PDC 94-43 and evaluation report per IWA-7220.
	CERTIFICATE OF COMPLIANCE
We co	ertify that the statements made in the report are correct and this Mode ficate conforms to the rules of the repair or replacement
	Owner or/Owner's Designee, Title Expiration Date Expiration Date Owner or/Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
I, the under Province of	risigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State f MASS and employed by Factory Mutual System
	MASS and employed by Factory Mutual System Norwood, Mass have inspected the components described in this Owner's Reperiod 5-/7-95 to 8-/-95 and state that to
during the	period $5-17-95$ to $8-1-95$ and state that to
best of my	knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner
	accordance with the requirements of the ASME Code, Section XI.
	this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examination
	tive measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in
manner ror	r any personal injury or property damage or a loss of any king arising from or connected with this inspection.
	Commissions MA-1420
	Inspector's Signature Commissions MA - 1420 National Board, State, Province, and Endorsements
	Inspector's Signature Commissions MA - 1420 National Board, State, Province, and Endorsements 8-4- 19-95

(12/82)

REF Attachments: 1) PDC94-43 evaluation report per IWA-7220 (3 pages)

2) PDC 94-43 narraive (22 pages)

As Required by the Provisions of the ASME Code Section XI

	Boston Edison	Co.	Oate	07-14-9	3		
	Name n Street, Bostor	, MA	Sheet	1of	1		
	^{Address} Pilgirm Nuclear	Power Station	Unit_	#1			
	Name Hill Road, Plym	outh MA 0236	O MP#	s 19301996, 099	2 1994	0800 0000	
	Address	Outi1, IVIA 0230	O MIN			P.O. No. Job No.	etc.
	y Boston Edisor	Company	Type C	Code Symbol Stamp			
	Name	ei min	Author	ization No.	N/A		
Rocky H	lill Road, Plymo	outh, MA	Expiral	tion Date	N/A		
	Address						
dentification of Sy	stem		Salt	Service Water			
				Edition,			Case
b) Applicable Edit	ion of Section XI Uti	lized for Repairs or	Replaceme	nts 1980 Winter 80) Addenda	9	
dentification of Co	omponents Repaired	or Replaced and F	Replacement	t Components			
		,					
							ASM
			National			Repaired	COD
Name of	Name of	Manufacturer Serial No.	Board	Other	Year	Replaced or Replacmement	Stamp (Yes
Component	Manufacturer	Serial No.	No.	identification	Duit	кермстепен	or No
MO-3813	Pratt	-		MR#957	+	replace	No
Butterfly Valve	Fratt		100	INIT WOOT		i opiace	
MO-3800	Pratt	Mono Flange		MK#957	93	replace	No
Butterfly Valve		II,CS	1000				
MO-3808	Pratt			MK#957	93	replace	No
Butterfly Valve			-945				
29-HO-3837	Pratt	Mono Flange		MK#956K		replace	No
Butterfly Valve		II,CS			-		
29-HO-3828	Pratt	Mono Flange	-	MK956K	92	replace	No
Butterfly Valve		II, CS	-		+		
					1		
						THE SOURCE SHOWS AS A SECOND STATE OF THE SOURCE SHOWS AS A SECOND	
Description of Wo	rk See Remarks						
				/			
		eumatic 🗌 Nominal	Operating P	Pressure Inservice	e Leak	Test.	
ests Conducted			Operating P	Pressure Inservice	e Leak	Test.	

emarks		MR's. Also, replaced associated bolts and nuts. Replacement
	Applicable Manufacturer's Data	
	material is "Q" and is rec	orded in the MR's.
-		
		CERTIFICATE OF COMPLIANCE
We ce	ertify that the statements made in the	report are correct and this conforms to the rules of the
		repair or (aplacement)
ASME COD	e, Section XI.	
Type Code	Symbol Stamp	N/A
Certificate of	of Authorization No.	V/A Expiration Date
(P.Calik	Date 8/3 .1995
Signed L	Owner or Owner's Designee, Titl	
	Office of Office of Designee, The	
	CERT	IFICATE OF INSERVICE INSPECTION
		ssued by the National Board of Boiler and Pressure Vessel Inspectors and the State
Province of	MASS	and employed by Factory Mutual System
	Norwood Massachusetts	have inspected the components described in this Owner's Re
-	period 7-14-95	to 8-/-95 and state that to
		as performed examinations and taken corrective measures described in this Own
	ccordance with the requirements of th	
		or his employer makes any warranty, expressed or implied, concerning the examinati
		er's Report. Furthermore, neither the inspector nor his employer shall be liable in
manner for	any personal injury or property damag	ge or a loss of any king arising from or connected with this inspection.
	118 400	4.0 (/2 2
	1 = 12 cm	Commissions 14A-1420
	Inspector's Signature	National Board, State, Province, and Endorsements
	8-41995	

As Required by the Provisions of the ASME Code Section XI

Statement of the Control of the Cont	Boston Edison	Co.	_ Date	9-9-9	4		
	Name				125		
800 Boyisto	n Street, Bostor	1. MA	_ Sheet _	1 of	1		
Nami	Address Dilaire Nucleau	Power Statio		44			
Plant	Pilgirm Nuclear	Power Statio	n Unit	#1			
600 Bocky	Hill Road, Plym	outh MA 023	80	MR# 1940129	2		
OUO ROCKY	Address	IOURI, IVIA 023	30			P.O. No. Job No.	atc
Work Performed I	y Boston Edisor	Company	Type Cr	de Symbol Stamp		1 F.O. 140. 300 140.	etc.
Train Condition	Name	Company	200	ation No.	Contract Con		
Rocky h	Hill Road, Plymo	outh MA		on Date			
	Address				N. C.		
Identification of Sy	stem		Feedw	rater			
a) Applicable Cor	struction Code ANS	SI B31.1	1967	Edition,	Addenda	Code	Case
b) Applicable Edi	tion of Section XI Uti	lized for Repairs or	Replacement	s 1980 Winter	80 Addenda	1	
of Applicable Edi	non or openion Ar ou	need for repairs of	replacement	3 1300 YVIIILEI	OO Addende		
Identification of C	omponents Repaired	or Replaced and	Replacement (Components			
							T
							ASME
			National			Repaired	CODE
Name of	Name of	Manufacturer	Board	Other	Year	Replaced or	Stamped
Component	Manufacturer	Serial No.	No.	Identification	Built	Replacmement	(Yes or No)
							01 140)
	Bergen	440				replace	No
	Bergen Paterson	440	_			replace	No
		440	_		-	replace	No
		440	, mare			replace	No
SS-6-10-03 Snubber		440	1984	7444	Adam	replace	No
		440	-	-		replace	No
		440				replace	No
		440				replace	No
		440				replace	No
		440	-			replace	No
		440				replace	No
		440				replace	No
		440				replace	No
Snubber	Paterson					replace	No
Snubber			MWP#19401	292-1		replace	No
Snubber	Paterson		MWP#19401	292-1		replace	No
Snubber Description of Wor	Paterson	place snubber per				replace	No
Description of Wo	Paterson Tk	place snubber per	Operating Pre	ssure 🗌		replace	No
Description of Wo	Paterson Tk Pamove and re Hydrostatic Pne Other Pressure	place snubber per	Operating Pre	ssure 🗌		replace	No
Description of Worldests Conducted:	Paterson Tk	place snubber per umatic Nominal psi Te	Operating Prest Temp	essure 🗆	81/4 in. x 11		No

emarks	Replacement comple Applicable Manufacturer's I	Data Reports to be attached
-		
		CERTIFICATE OF COMPLIANCE
We ce	ertify that the statements made in	
ASME Cod	e, Section XI	repair or replacement)
Type Code	Symbol Stamp	N/A
0.15.1	A A the classic No.	N/A Societies Date
Certificate of	of Authorization No.	QCDM Date 8/4 19 95
Signed	U Octupa	QCDM Date 8/4 19 95
	Owner or Owner's Designe	e, Title
	C	CERTIFICATE OF INSERVICE INSPECTION
I the under	nianad halding a valid commiss	sion issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat
		and employed by Factory Mutual System
		have inspected the components described in this Owner's Re
during the p	period 9-9-94	to 8-7-95 and state that to
best of my	knowledge and belief, the Own	ner has performed examinations and taken corrective measures described in this Own
Report in a	ccordance with the requirements	s of the ASME Code, Section XI.
By signing t	this certificate neither the Inspec	ctor nor his employer makes any warranty, expressed or implied, concerning the examinat
and correct	live measures described in this	Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in
manner for	any persopal injury or property of	damage or a loss of any king arising from or connected with this inspection.
	118 201	110 11/2 0
	131/9/-	Commissions 1914 - 1740
	Inspector's Signature	Commissions MA - 142 © National Board, State, Province, and Endorsements
	8-4199	
Date	1 7 19 /	

As Required by the Provisions of the ASME Code Section XI

	Boston Edison	Co.	Date	9-13-94	4		
	lame Street, Boston	, MA	Sheet _	1 of	1		
Plant F	Address Pilgirm Nuclear	Power Station	n Unit	#1			
	lame Hill Road, Plym	outh, MA 0236	60	MR# 19101281	-		
Work Performed by	Address Poston Edisor	Company		Repair O de Symbol Stamp _ ation No.	-	n P.O. No. Job No.	etc.
Rocky Hi	II Road, Plymo	uth, MA		n Date	N/A		
Identification of Sys	tem		Residu	ual Heat Remov	al		
(a) Applicable Cons				Edition.			Case
(b) Applicable Edition Identification of Con					U Addend	a	
	Name of	Manufacturer	National Board	Other	Year	Repaired Replaced or	ASME CODE Stampe
Name of Component	Manufacturer	Serial No.	No.	Identification	Built	Replacmement	(Yes or No)
Component PSV-1001-22B		Serial No.	No.	Identification	92	replace	4
PSV-1001-228 Safety Valve PSV-8006	Anderson Greenwood Andreson	Serial No.	No.	Identification			or No)
Component PSV-1001-228 Safety Valve	Manufacturer Anderson Greenwood	Serial No.	No.	Identification	92	replace	or No) Yes
PSV-1001-228 Safety Valve PSV-8006 Safety Valve PSV-8007	Anderson Greenwood Andreson Greenwood Anderson	Serial No.	No.	Identification	92	replace	or No) Yes Yes
PSV-1001-228 Safety Valve PSV-8006 Safety Valve PSV-8007	Anderson Greenwood Andreson Greenwood Anderson	Serial No.	No.	Identification	92	replace	or No) Yes Yes
PSV-1001-228 Safety Valve PSV-8006 Safety Valve PSV-8007	Anderson Greenwood Andreson Greenwood Anderson	Serial No.	No.	Identification	92	replace	or No) Yes Yes
PSV-1001-228 Safety Valve PSV-8006 Safety Valve PSV-8007 Safety Valve	Anderson Greenwood Andreson Greenwood Anderson Greenwood		-	abricate a new inlet	92 92 92	replace replace	or No) Yes Yes

recorded at the top of this form.

tion 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

emarks	Notes: 1. Performed an in-service leak test at flange connection.
	Applicable Manufacturer's Data Reports to be attached
	The replacement relief valve is tested and pressure set at the manufactures facility.
	relief set pressure 200 psig. 3. The modified inlet suction piping was
	hydrostatic tested at 250 psig for 10 minutes.
	CERTIFICATE OF COMPLIANCE
We ce	certify that the statements made in the report are correct and this conforms to the rules of the
ASME Cod	de, Section XI.
Type Code	e Symbol StampN/A
Certificate of	of Authorization No N/A Expiration Date
Signed (OR Schiffer OC.DM Date 8/4 19 95
Signed	Owner/or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	ersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta
Province of	of MASS and employed by Factory Mutual System
	Norwood, Massachusetts have inspected the components described in this Owner's R
	period $9-73-94$ to $8-7-95$ and state that to
	y knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Ow
	accordance with the requirements of the ASME Code, Section XI.
	this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examina
	ctive measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in
manner for	r any personal injury or property damage or a loss of any king arising from or connected with this inspection.
	Commissions MA (42 0 National Board, State, Province, and Endorsements
	Aspector's Signature National Board, State, Province, and Endorsements
	8.41995

As Required by the Provisions of the ASME Caue Section XI

organization N/A N/A N/A	Code	
organization N/A N/A N/A Addenda	Repaired Replaced or	Case ASME CODE Stamped
N/A N/A N/A N/A Addenda	Repaired Replaced or	Case ASME CODE Stamped
N/A N/A N/A N/A Addenda	Repaired Replaced or	Case ASME CODE Stamped
N/A N/A N/A N/A Addenda	Repaired Replaced or	Case ASME CODE Stamped
N/A N/A N/A Addenda 30 Addend	Repaired Replaced or	Case ASME CODE Stamped
N/A N/A Addenda 30 Addend	Repaired Replaced or	Case ASME CODE Stamped
N/A Addenda 30 Addend	Repaired Replaced or	Case ASME CODE Stamped
30 Addend	Repaired Replaced or	ASME CODE Stamped
30 Addend	Repaired Replaced or	ASME CODE Stamped
30 Addend	Repaired Replaced or	ASME CODE Stamped
30 Addend	Repaired Replaced or	ASME CODE Stamped
30 Addend	Repaired Replaced or	ASME CODE Stamped
0.000	Replaced or	CODE
0.000	Replaced or	Stamped
0.000		
		1
		or No)
92	replacement	No
-		
-		



marks	Replacement completed Applicable Manufacturer's Data		
		CERTIFICATE OF COMPLIANCE	
Wece	ertify that the statements made in the	report are correct and this	conforms to the rules of the
	e, Section XI.	repair of replace	
Type Code	Symbol Stamp	N/A	
Certificate of Signed	Owner of Owner's Designee, T	N/A Expiration Date Date	8/4 .19 95
	CER	TIFICATE OF INSERVICE INSPECTION	
I, the under	444		d Pressure Vessel Inspectors and the Stat Factory Mutual System
	Norwood, Massachusetts	have inspected the	components described in this Owner's Re
960			corrective measures described in this Own
	ccordance with the requirements of		
and correct	tive measures described in this Ow any personal injury or property dam	ner's Report. Furthermore, neither the in age or a loss of any king arising from or co	
	P. Mar.	Commissions MA	1420
	Inspector's Signature	National Boa	ard, State, Province, and Endorsements
	8.41995		

As Required by the Provisions of the ASME Code Section XI

Owner	Boston Edison (Co.	Date		04-11-	95		
800 Boylsto	Name n Street, Boston	, MA	Sheet	1	_ of	1		
Plant	Address Pilgirm Nuclear	Power Station	Unit	#1				
600 Rocky	Name Hill Road, Plym	outh, MA 0236	0	MR No	. 19501		00 11 1-11	
Work Performed b	Address by Boston Edison	Company		ode Symb	ol Stamp	N/A	P.O. No. Job No.	etc
Rocky I	Name Hill Road, Plymo Address	uth, MA		ion Date				
Identification of Sy	rstem		Feed	water				
	tion of Section XI Utili omponents Repaired							
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.		Other tification	Year Built	Repaired Replaced or Replacement	ASME CODE Stampe (Yes or No
H61-SS2A	-						repair	No
Snubber								
Bolt w/stud							replaced	No
							-	
2	ork Modify H6-1-5	552A per FRN	# 95-01-25	830.				
Description of vvo		T Name of	Operating 5	Proceura		~ ~		
Tests Conducted	Other Pressure_							

emarks	Per FRN #95-01-25 & 30, Modified Repaired Applicable Manufacturer's Data Reports to be attached
	replaced in the second of the
	CERTIFICATE OF COMPLIANCE
Wece	ertify that the statements made in the report are correct and this conforms to the rules of the
	e Section XI
ASME COO	e. Section At.
Tuna Cada	Symbol Stamp N/A
Type Gode	
Certificate of	of Authorization No. N/A Expiration Date
Signed ()	Owner of Owner's Designee, Title Owner of Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
I the under	signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat
	MASS and employed by Factory Mutual System
	Norwood, Massachusetts have inspected the components described in this Owner's Re
	period $4-11-95$ to $8\cdot 1-95$ and state that to
best of my	knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Own
	ccordance with the requirements of the ASME Code, Section XI.
	this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinat
	live measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in
manner for	any personal injury or property damage or a loss of any king arising from or connected with this inspection.
	115 Mar
	Inspector's Signature Commissions 14A - 142 National Board, State, Province, and Endorsements
	Hallottal boato, state, Province, and Choosements
	8-41995

As Required by the Provisions of the ASME Code Section XI

Owner	Boston Edison	Co.	Date	3-23-9	15				
800 Boyls	ton Street, Bosto	n, MA	Sheet _	1of	1				
Plant		r Power Station	Unit	Unit #1					
600 Rock	Name y Hill Road, Plym	nouth MA 0236	0	MR# 1940136	2				
OUU INOUN	Address	TOGET, THE TOTAL OF		Charles and the Control of the Contr		P.O. No. Job No.	etc.		
Work Performs	d by General Elec	tric Company	Type Co	ode Symbol Stamp	N/A				
	Name		Authoriz	ration No.					
0 Freedom Bus	Address	Prussia, PA 19406	Expiration	on Date	N/A				
Identification of	System		High F	ressure Coola	nt Injecti	on			
(a) Applicable	Construction Code AS	ME III 1992	Edition,	Addend	a,	_Code Case			
(b) Applicable	Edition of Section XI Ut	ilized for Repairs or	Replacement	ts 1980 Winter	80 Addend	a			
Identification	f Components Repaire	d or Replaced and R	enlacement	Components					
identification o	Components Repaire	d of Replaced and R	epiacement	Components					
		T		Annah punnang rang sebagai an dan terupa sebagai an	1				
							ASM		
None	Number	Manufacturer	National Board	Other	Year	Repaired Replaced or	Stamp		
Name of Componer	Name of Manufacturer	Manufacturer Serial No.	No.	Identification	Built	Replacement	(Yes		
Componen	i maranaca a	John Ho					or No		
MO-2301-5	Ring-O				95	replace	Yes		
Gate Valve		-	Name -	Photograph					
		-			-				
				and the same of th			No		
Description of	Work Replace MO-	2301-5 with new Rin	g-O valve.						
	of the same of the								
Tests Conduct	ed. Hydrostatic 🗌 Pn	eumatic 🗌 Nominal	Operating Pr	essure 🗌 Code	Case #N	-416-1			
		psi Tes		*					
	- U -		//	100 T OF					



Remarks	Replacement of M	O-2301-5 comple	eted per MR#	19401362.	
	Applicable Manufacture	r's Data Reports to be	attached		
		CERTIFICAT	E OF COMPLIAN	VCE	
					to one to the other of the
We cer	rtify that the statements mad	de in the report are cor	rect and this repair	r or replacement)	forms to the rules of the
ASME Code	, Section XI.				
Type Code S	Symbol Stamp		N/A		
Certificate of	(Authorization No	N/A	Expiration	Date	
Signed //	Owner or Owner's Desi	QCDM gnee, Title			.19 95
		CERTIFICATE OF	INSERVICE INS	PECTION	
I the unders	signed, holding a valid comm	mission issued by the	National Board of	f Boiler and Pressure Ver	ssel Inspectors and the State
Province of	MASS		and emple	oyed by Factory Mutua	System
	Norwood, Massachuset	tts	have insp	ected the components de	escribed in this Owner's Rep
during the pe	eriod 3-23-95			to 8:1-95	and state that to t
best of my	knowledge and belief, the	Owner has performed	examinations ar	nd taken corrective meas	ures described in this Owne
Report in ac	cordance with the requirem	ents of the ASME Cod	fe, Section XI.		
					ed, concerning the examination
and correcti	ve measures described in	this Owner's Report.	Furthermore, nei	ther the Inspector nor his	employer shall be liable in a
manner for a	any personal injury or prope	rty damage or a loss of	f any king arising	from or connected with th	is inspection.
	18 Much	Cor	mmissions /	4A-1420	
	Inspector's Signature		Ne	ational Board, State, Provi	nce, and Endorsements
Date	8.418	95			
Date_	8.4.19	95			

As Required by the Provisions of the ASME Code Section XI

	Boston Edison	¥ V.	Date	8-15-94			
	Name				, in 17		
800 Boyist	on Street, Bostor	1, MA	_ Sheet _	1 of	1		
Plant	Address Pilgirm Nuclear	Power Station	1 Unit	#1			
riant	Name	Fower Station	1 Unit	P I			
600 Rocky	Hill Road, Plym	outh, MA 0236	30	MR# 19402113			
	Address		-	Control of the Contro	anization	P.O. No. Job No.	etc.
Work Performed	by Boston Edisor	Company	Type Co	de Symbol Stamp	N/A		
	Name		Authoriz	ation No.	N/A		
Rocky	Hill Road, Plymo	outh, MA	Expiration	n Date	N/A		
	Address						
identification of S	ystern		Residu	ial Heat Remova	31		
(a) A subserble (A)	anter of the Code ANG	1 224 4	1067	Edition	Addondo	Code (200
	instruction Code ANS lition of Section XI Uti						ase
(b) Applicable Ed	illion of Section A: Uti	lized for Repairs of	Replacement	s 1900 VVirter ou	Addend		
Identification of	Components Repaired	or Replaced and	Renlacement (`ampagents			
identification of	oniponents repaired	tor replaced and	replacement (outiporterita			
-		T	T		T		
					1		ASME
Nama of	Name of	Manufacturer	National Board	Other	Year	Repaired Replaced or	CODE
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired Replaced or Replacmement	CODE
			Board			Replaced or	CODE Stamper (Yes
			Board			Replaced or	CODE
Component			Board			Replaced or Replacmement	CODE Stampe (Yes
			Board			Replaced or	CODE Stamper (Yes or No)
Component H10-1-116	Manufacturer		Board		Built	Replaced or Replacmement	CODE Stampe (Yes or No)
Component H10-1-116	Manufacturer		Board		Built	Replaced or Replacmement	CODE Stampe (Yes or No)
Component H10-1-116 Support	Manufacturer		Board		Built	Replaced or Replacmement	CODE Stampe (Yes or No)
Component H10-1-116	Manufacturer		Board		Built	Replaced or Replacmement	CODE Stampe (Yes or No)
Component H10-1-116 Support	Manufacturer		Board		Built	Replaced or Replacmement	CODE Stampe (Yes or No)
Component H10-1-116 Support	Manufacturer		Board		Built	Replaced or Replacmement	CODE Stampe (Yes or No)
Component H10-1-116 Support	Manufacturer		Board		Built	Replaced or Replacmement	CODE Stampe (Yes or No)
Component H10-1-116 Support	Manufacturer		Board		Built	Replaced or Replacmement	CODE Stamper (Yes or No)
Component H10-1-116 Support	Manufacturer		Board		Built	Replaced or Replacmement	CODE Stampe (Yes or No)

	Replaced support p Applicable Manufacturer	s Data Reports to be	attached		
		CERTIFICATE	E OF COMPLIAN	CE	
We certify	that the statements made	e in the report are corr	ect and this	con	forms to the rules of the
ASME Code, S	action YI		repair	or replacement)	
ASIVIE Code, S	ection At				
			N/A		
Type Code Syn	nbol Stamp		N/A		
Certificate of A	uthorization No.	N/A	Expiration (Date	
07	Soliha C	OC DM		nu 8/3	,19 95
Signed V	Owner of Owner's Desig	nee Title		Date 0 70	, 19
	3,0,0,0				
		CERTIFICATE OF I	NSERVICE INSP	PECTION	
					ssel Inspectors and the Sta
Province of	17453		and emplo	yed by Factory Mutua	System
	Norwood, Massachusetts		have inspe	ected the components d	escribed in this Owner's Re
					, and state that to
the second second second				d taken corrective meas	sures described in this Own
	dance with the requireme			out consensation (making	ad assaulas the systematical
					ed, concerning the examinal
					s employer shall be liable in
	personal injury or propert				nis inspection.
/	Short		n	A-1420	
	Spector's Signature	Com	imissions / /	700	
īn	spector's Signature		Nat	tional Board, State, Prov	ince, and Endorsements
	8-4 19	95			
Date	1 7 19	13			

As Required by the Provisions of the ASME Code Section XI

Owner	Boston Edison (Co.	Date	04-25	-95		
	Name						
800 Boylst	ton Street, Boston	NA.	Sheet _	1 of	1		
	Address			22			
Plant	Pilgirm Nuclear	Prover Station	Unit	#1			
000 0	Name	01 Ph 144 0220	^	MD No. 1050	1278		
600 Rocks	Hill Road, Plyme Address	DUIT, MA 0236	0	MR No. 1950		P.O. No. Job No.	etc
Mark Desformer	by Boston Edison	Company	Type Co	de Symbol Stamp		17.0.110.000110.	
VVOIX Pericrine	Name	South		ation No.			
Rocky	Hill Road, Plymo	uth, MA		n Date	Section 201		
	Address						
Identification of	System		HPCI				
	onstruction Code ANS						Case
(b) Applicable E	dition of Section XI Util	ized for Repairs or	Replacement	s_1980 Winter	80 Addenda	a	
	والمناوية والأناوية						
Identification of	Components Repaired	or Replaced and R	replacement (Components			
							ASME
Name of	Name of	Manufacturer	National Board	Other	Year	Repaired Replaced or	Stampe
Component	12.74	Serial No.	No.	Identification	Built	Replacmement	(Yes
							or No)
Devices UDCI					95	replace	No
Replace HPCI I			Name of Street	-	30	replace	110
with nine							
with pipe							
with pipe							-
with pipe							
with pipe							
with pipe							
with pipe							
with pipe							
with pipe							
with pipe							
with pipe							
	Vork Replace the F	IPCI Steam Su	upply Tee f	from old aux.	boiler atta	ichment with st	traight pi
Description of V							traight pi
Description of V	ed: Hydrostatic 🗆 Pne	eumatic 🗌 Nominal	Operating Pre	essure 🗹 Code			traight pi
Description of V	ed: Hydrostatic Pne	eumatic Nominal	Operating Prest	essure d Code	e Case #N		raight pi
Description of V	ed: Hydrostatic 🗆 Pne	eumatic Nominalpsi Tee est at normal s	Operating Prost Temp	essure Code	e Case #N	I-416-1	

emarks	Replacement comp	leted per MR #19501	278	
	Applicable Manufacturer	s Data Reports to be attach	ed	
141				
TYME		CERTIFICATE OF C		
We ce	ertify that the statements made	in the report are correct an	d this repair or confacement confo	rms to the rules of the
ASME Cod	le, Section XI.		repair or (splacement)	
Type Code	Symbol Stamp		N/A	
Certificate	of Authorization Ng	N/A	Expiration Date	
Signed \	& Schifore	QCDM	Date 8/3	.19 95
	Owner or Wwner's Design	nee, Title		
		CERTIFICATE OF INSER	VICE INSPECTION	
I the under	rsigned holding a valid comm	ission issued by the Nation	al Board of Boiler and Pressure Ve	ssel Inspectors and the State
Province of	4 4 4 4 4		and employed by Factory Mutua	
during the p	period 4-25-9	75	to 8-1-9 J	and state that to
			nations and taken corrective mea-	sures described in this Owne
	ccordance with the requirement			and the second second
			es any warranty, expressed or impli	
			rmore, neither the Inspector nor his	
manner for	any personal injury or propert	y damage or a loss of any ki	ing arising from or connected with ti	his inspection.
	115. NGR	Commissi	m MA-1425	
	Inspector's Signature	Commissi	ons MA - 142 b National Board, State, Prov	ince, and Endorsements
	8-419			
	X . (1)	1		

As Required by the Provisions of the ASME Code Section XI

Owner	Bo	ston Edison C	Co.	Date		04-26-9)5		
	Nan						300		
800 Boy		treet, Boston	, MA	Sheet	1	of	1		
		iress	Danies Station	a their t	W-1				
Plant			Power Station	1 Unit	91				
ann Po	Nar Nar	27.96	outh, MA 0236	30	MR No.	193020	183		
000 KO		ress	outil, 1417 0200		Marie Contractor Contractor			P.O. No. Job No.	etc.
Work Perfor		oston Edison	Company	Type Co	de Symbol		*		
real contract	Nar								
Ro	ky Hill	Road, Plymo	uth, MA		n Date				
	Add	fress							
Identification	of System	n		Reacto	r Water	Clean	ID .		
			Land 1	10.07	er anatomic		Addanda	Code (2000
(a) Applicable	e Constru	ction Code ANS	I B31.1	19.67	Edition,	Mintar W	_Addenda	Code (Jase
(b) Applicab	e Edition	of Section XI Util	ized for Repairs or	Replacement	1980	AAiluter o	u Addenda		
		Barriard	as Declared and	Danissamani (ampanent				
identification	of Comp	onents Repaired	or Replaced and	Replacement	omponent	9			
				T			T		
				Mattered				Repaired	CODE
Name	of	Name of	Manufacturer	National Board	Oth	ner	Year	Replaced or	Stampe
Compor		Manufacturer	Serial No.	No.	Identifi	cation	Built	Replacmement	(Yes
									or No)
							95	replace	No
Replace por of RWCU P			-		14	-	35	Teplace	110
OI MVVCU P	iping				-		+		
		- 100							
							-		
			L		-				
Description	of Work	Replace secti	ons of RWCU	Piping per	PDC #9	2-33	-		
					100				
Tests Cond	ucted: Hy	drostatic Pne	rumatic 🗌 Nomina	Operating Pre	ssure _	Code (Case #N	1-416-1 Class 1	
		4	CL-1 psi Te					Hydro PNPS	#2.1.8.5
		and the same of th	F 5 1 1 1 100	1 70		0.07			

ema/ks		ement completed per PDC#92-33 and MR#19302083. Solution Description of the State o
		CERTIFICATE OF COMPLIANCE
We ce	ertify that the statements made	e in the report are correct and thisconforms to the rules of the repair or repair or replacement
ASME Code	e, Section XI.	repail of replacement
Type Code	Symbol Stamp	N/A
Certificate o	of Authorization No.	N/AExpiration Date
Signed	R Schilmo	QCDM Date 8/3 19 95
Signed	Owner of Owner's Desig	
		ACRETICATE OF WASHINGTON
		CERTIFICATE OF INSERVICE INSPECTION
		hission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	M455	and employed by Factory Mutual System have inspected the components described in this Owner's Rep
	ood, Massachusetts period 4-26-95	
		owner has performed examinations and taken corrective measures described in this Owner
		nts of the ASME Code, Section XI.
		pector nor his employer makes any warranty, expressed or implied, concerning the examination
		his Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in a
		ty damage or a loss of any king arising from or connected with this inspection.
11	15 WER	MA-1420
	Inspertor's Signature	Commissions 14A - 1420 National Board, State, Province, and Endorsements
V		
	8-419	A see

As Required by the Provisions of the ASME Code Section XI

Owner	Boston Edisor	Co.	_ Date	09-07-9	94		
800 Boy	Name viston Street, Bosto	on, MA	Sheet	1of	1		
Plant		ar Power Station	<u>1</u> Unit	#1			
600 Roc	Name ky Hill Road, Plyr	mouth, MA 0236	30	MR No. 194007	753		
	Address				-	n P.O. No. Job No.	etc.
Work Perform	ned by <u>Boston Edisc</u>	on Company		ode Symbol Stamp _			
Poo	Name ky Hill Road, Plyn	outh MA		ration (lo	N/A	-	
Noc	Address	ioutii, iviA	Cypirati	on Date	NA	A	
Identification	of System		Core S	Spray Valve #M	0-1400	-25B	
	e Construction Code Al						Case
(b) Applicable	e Edition of Section XI U	Itilized for Repairs or	Replacement	s 1980 Winter 8	0 Addend	a	
Identification	of Components Repaire	ed or Replaced and I	Replacement (Components			
Name o		Manufacturer	National Board	Other	Year	Repaired Replaced or	ASME CODE Stampe
Compone	ent Manufacturer	Serial No.	No.	Identification	Built	Replacmement	(Yes or No)
MO 1400-25	B Walworth				-	repair	No
Flexible Wed	ge Valve	country.	-				
					+		
					1 1		
		-			+		
Description o	f Work Repair flexib	lle wedge.					
	f Work Repair flexib		Operation Per	meeura ₹ Incandia	a l pak	tact	

	Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
Wec	ertify that the statements made in the report are correct and this conforms to the rules of the
ASME Cod	de, Section XI.
Type Code	Symbol StampN/A
Certificate	of Authorization No. N/A Expiration Date
Signed	OK Schippine OCDM Date 8/3 1995 Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta f MASS and employed by Factory Mutual System
Province of	Norwood, Massachusetts have inspected the components described in this Owner's R
during the	period $9-7-94$ to $8-7-95$ and state that to
	knowledge and belief, the Owner has performed examinations and taken corrective measu as described in this Ow
	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 examina
and correc	stive measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in
manner for	r any personal injury or property damage or a loss of any king arising from or connected with this inspection.
	Commissions MA-1420
	Commissions MA 142 0 Inspector's Signature National Board, State, Province, and Endorsements
Date	8.41995

As Required by the Provisions of the ASME Code Section XI

Owner		00.	Date		04-20-9	95		
800 Boylst	Name on Street, Boston	. MA	Sheet	1	of	1		
Plant	Address Pilgirm Nuclear		Unit					
600 Rocky	Name Hill Road, Plymo	outh, MA 02360		MR No.	195009		DO No Joh No	ata .
Work Performed	Address by Boston Edison Name	Company	Authoriz	ation No.	ol Stamp	N/A N/A	P.O. No. Job No.	
Rocky	Hill Road, Plymon Address	uth, MA	Expiration	on Date		N/A		
Identifica 1 5	system		Reacto	or Recir	culation			
Name of	Components Repaired Name of		National Board		ther	Year	Repaired Replaced or	ASME CODE Stampe
Component	Manufacturer	Serial No.	No.	Identi	fication	Built	Replacmement	(Yes
Sampariant								
	Rockwell					86	replace	No
2-HO-261-64B	Rockwell					86	replace	No
2-HO-261-64B	Rockwell					86	replace	No
2-HO-261-64B VALUE Description of W	ork Per FRN #95-0		perating Pre	essure 🗸	Inservice			No

emarks	Completed per PDC#95-03-72 and MR #19500995. VALVE REPLACE	MENT
	Applicable Manufacturer's Data Reports to be attached	
	CERTIFICATE OF COMPLIANCE	
We ce	certify that the statements made in the report are correct and this repair or repair or replacement)	of the
	ode, Section XI.	
	le Symbol StampN/A	
Certificate	Owner of Owner's Designee Title Expiration Date 8/3 19 9.	
Signed (U/ Ochifone QCDM Date 8/3 199	5
	Owner of Owner's Designee, Title	
	CERTIFICATE OF INSERVICE INSPECTION	
I the under	ersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors	s and the Stat
	of 14ASS and employed by Factory Mutual System	
	Norwood, Massachusetts have inspected the components described in this	
during the p	e period 4-20-95 to 8-1-95 and	state that to
	ny knowledge and belief, the Owner has performed examinations and taken corrective measures describe	d in this Own
	accordance with the requirements of the ASME Code, Section XI.	the according to
7	g this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning	
	ective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer sha	iii be liable in
	or any personal injury or property damage or a loss of any king arising from or connected with this inspection.	
1/4	P. MAR. Commissions MA 1420	
	Inspector's Signature Commissions MA 1420 National Board, State, Province, and Endo	rsements
V		
V	8.41995	

As Required by the Provisions of the ASME Code Section XI

Owner	Boston Edison	Co.	Date	02-27-9	15		
800 Boyisto	Name n Street, Bostor	, MA	Sheet _	1of	1	Acres de la companya	
. Plant	Address Pilgirm Nuclear	Power Station	Unit	#1			
600 Rocky	Name Hill Road, Plym	outh. MA 0236	30	MR No. 194013	64		
	Address				*	P.O. No. Job No.	etc.
Work Parformed b	by Boston Edisor	Company		de Symbol Stamp			
Bocky k	Name Hill Road, Plymo	outh MA		The second secon	N/A		
ROCKYT	Address	Addit MIN	_ CAPITAGO	Tr Date	11/2		
					2 4 4 0 0	264	
Identification of Sy	/stem		Core	Spray Valve #Mo	J-1400-	-25A	
(a) Applicable Cor	nstruction Code_ANS	Si B31.1	1967	Edition.	Addenda	Code	Case
	tion of Section XI Uti						
(-/. ,							
identification of C	omponents Repaired	or Replaced and F	Replacement C	Components			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired Replaced or Replacement	ASME CODE Stamper (Yes
							or No)
MO-1400-25A	Walworth				+	repair	No
VALVE	Crane			Takenda .	- mark		
							1
Description of Wo	rk Per PDC #94	18H					
	rk Per PDC #94						
Tests Conducted:	rk Per PDC #94- Hydrostatic Pne Other Pressure	umatic Nominal		ssure ☑ Inservic	e Leak	test.	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.

emarks	PER PDC #94-18H modify valve #MO-1400-25A drill disc and add smart stem.
	Applicable Manufacturer's Data Reports to be attached
	Completed and documented in MR#19401364.
	CERTIFICATE OF COMPLIANCE
We ce	ertify that the statements made in the report are correct and this conforms to the rules of the
	e. Section XI.
AUNIL OUG	S. Macharit Ct.
Type Code	Symbol StampN/A
Cartificate	of Authorization No. N/A Expiration Date
Certificate	Representation No. N/A Expiration Date Representation Date 8/3 19 95
Signed \) Chipone (XCD) 19 73
	Owner or Wwner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State MASS and employed by Factory Mutual System
Province of	Norwood, Massachusetts have inspected the components described in this Owner's Re
during the	period $2-27-95$ to $87-95$, and state that to
	knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Own
	ccordance with the requirements of the ASME Code, Section XI.
	this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinati
and correct	tive measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in
manner for	any personal injury or property damage or a loss of any king arising from or connected with this inspection.
1	OS A
/	15 Med
V	Inspector's Signature National Board, State, Province, and Endorsements
Date	8-41995

As Required by the Provisions of the ASME Code Section XI

	Boston Edison	Co.	Date	04	-06-95		
	Name						
800 Boylsto	n Street, Bostor	, MA	Sheet _	1 of	1		
	Address						
Plant	Pilgirm Nuclear	Power Statio	n Unit	#1			etc.
	Name						
600 Rocky	Hill Road, Plym	outh, MA 023	60	MR No. 19	501140 an	d #19501139	
	Address			Re	pair Organizat	on P.O. No. Job No.	etc.
Work Performed b	y Boston Edisor	Company	Type C	ode Symbol St	amp N/A		
	Name		Authori	zation No	N/A		
Rocky H	till Road, Plymo	uth, MA	Expirati	on Date	N/A		
	Address						
dentification of Sy	stem		RCIC				
	struction Code ANS				Adden		Case
b) Applicable Edit	ion of Section XI Util	ized for Repairs o	r Replacemen	ts_1980W	inter 80 Adden	da	
dentification of Co	omponents Repaired	or Replaced and	Replacement	Components			
						7	
			National			Repaired	
Name of	Name of	Manufacturer	Board	Other	Yea		
Component	Manufacturer	Serial No.	No.	Identificat		The second secon	
							or No)
						replace	No
99.13.10.05	Bergen					replace	140
	Bergen			- Control of			4
Snubber	Paterson		_				No
Snubber SS-13-10-06	Paterson Bergen	and the second				replace	No
Snubber SS-13-10-06	Paterson					replace	No
Snubber SS-13-10-06	Paterson Bergen		_	- and the second	_	replace	No
Snubber SS-13-10-06	Paterson Bergen		_			replace	No
Snubber SS-13-10-06	Paterson Bergen	and the second s	-	-	-	replace	No
Snubber SS-13-10-06	Paterson Bergen		-			replace	No
Snubber SS-13-10-06	Paterson Bergen		_			replace	No
SS-13-10-05 Snubber SS-13-10-06 Snubber	Paterson Bergen		_			replace	No
Snubber SS-13-10-06	Paterson Bergen					replace	No
Snubber SS-13-10-06	Paterson Bergen					replace	No
Snubber SS-13-10-06	Paterson Bergen		-			replace	No
Snubber SS-13-10-06 Snubber	Paterson Bergen Paterson					replace	No
Snubber SS-13-10-06 Snubber	Paterson Bergen	replace per M	R#1950114	40 & 19501		replace	No
Snubber SS-13-10-06 Snubber Description of Wor	Paterson Bergen Paterson k Remove and i					replace	No
Snubber SS-13-10-06 Snubber Description of Worldests Conducted:	Paterson Bergen Paterson k Remove and r	umatic 🗌 Nominal	Operating Pr	essure 🗌		replace	No
Snubber SS-13-10-06 Snubber Description of Worldests Conducted:	Paterson Bergen Paterson k Remove and i	umatic 🗌 Nominal	Operating Pr	essure 🗌		replace	No

	Applicable Manufacturer's Data Reports to be attached	
	CERTIFICATE OF COMPLIANCE	
We ce	certify that the statements made in the report are correct and this repair or replacement conforms	to the rules of the
ASME Code	ode, Section XI.	
ASIVIE COUR	AG, GEORGI AL	
7 C-d-	te Symbol Stamp N/A	
Type Code		
Certificate of	e of Authorization No. N/A Expiration Date 8/3	
	Q. Colling OCAM Den 8/3	,19 95
Signed	Owner or Owner's Designee, Title	10 / -
	CERTIFICATE OF INSERVICE INSPECTION	
	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesse	
Province of	of MASS and employed by Factory Mutual S	
-	Norwood, Massachusetts have inspected the components described to the component described to the comp	
	e period 4-6-95 to 8-/-95	
	ny knowledge and belief, the Owner has performed examinations and taken corrective measure	es described in this Own
and the same of th	accordance with the requirements of the ASME Code, Section XI.	
	ng this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,	
	ective measures described in this Owner's Report. Furthermore, neither the Inspector nor his e	
manner for	for any personal injury or property damage or a loss of any king arising from or connected with this	inspection.
	1/5 hrs 1	
	Commissions 74-1420	
	Inspector's Signature Commissions MA-1420 National Board, State, Province	e, and Endorsements
	8-41995	
	G A W	

As Required by the Provisions of the ASME Code Section XI

Owner		Co.	Date	04-21-9	15		
800 Boy	Name Iston Street, Bosto	n, MA	_ Sheet	1of	1		
Plant	Address Pilgirm Nuclea	r Power Station	1 Unit	#1	_		
	Name						
600 Roc	ky Hill Road, Plyn	nouth, MA 0236	50	MR # 19201723		P.O. No. Job No.	etc
Work Perform	Address ned by Boston Ediso	n Company	Type Co	de Symbol Stamp	-		
Trunk i drisin	Name		Authoriz	ation No.	N/A		
Rock	ky Hill Road, Plym	outh, MA	Expiratio	n Date	N/A		
	Address						
Identification	of System		TBCC	W			
dentinoation	or oyatom.						
a) Applicable	Construction Code AN	SI B31.1	1967	Edition,	_Addenda	Code (Case
(b) Applicable	e Edition of Section XI Ut	ilized for Repairs or	Replacement	s 1980 Winter 8	0 Addenda	3	
(2)							
Identification	of Components Repaire	d or Replaced and	Replacement (Components			
identification	or components repaire	d or replaced and	· · · · · · · · · · · · · · · · · · ·				
		T T					ACME
			National			Repaired	CODE
Name o	of Name of	Manufacturer	Board	Other	Year	Replaced or	Stampe
Compone	ent Manufacturer	Serial No.	No.	Identification	Built	Replacmement	(Yes
	1						01 140)
	- 1						
F.122A	FFCO				67	repair	Yes
E-122A Heat Exchange	EFCO	_		Name of Street	67	repair	Yes
E-122A Heat Exchan				Name of the last o	67	repair	Yes
					67	repair	Yes
The second second					67	repair	Yes
					67	repair	Yes
					67	repair	Yes
The second second					67	repair	Yes
					67	repair	Yes
					67	repair	Yes
					67	repair	Yes
Heat Exchange	ger						
Heat Exchange	of Work Performed re	epairs to the pa	rtition plate				
Description o	of Work <u>Performed re</u>	epairs to the pa		s to channel an	d perfor	med a hydro-s	tatic tes
Description o	of Work <u>Performed re</u> of the chann	epairs to the pa	Operating Pro	es to channel an	d perfor		tatic tes

emarks	Repaired the heat exch. Applicable Manufacturer's Date request.	anger partition plates per the requirements of the maintenance a Reports to be attached
		CERTIFICATE OF COMPLIANCE
	ertify that the statements made in the Section XI.	e report are correct and this conforms to the rules of the
Type Code	Symbol Stamp	N/A
Certificate Signed	Authorization No. R Schilore QC Owner of Owner's Designee, 1	N/A Expiration Date Description Date Date 8/3 .19 95
	CER	TIFICATE OF INSERVICE INSPECTION
		issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
during the	Norwood, Massachusetts period 4-2/-95	have inspected the components described in this Owner's Reto 8/95, and state that to
	knowledge and belief, the Owner coordance with the requirements of	has performed examinations and taken corrective measures described in this Own the ASME Code, Section XI.
and correc	tive measures described in this Ov any personal injury or property dam	nor his employer makes any warranty, expressed or implied, concerning the examinationer's Report. Furthermore, neither the inspector nor his employer shall be liable in tage or a loss of any king arising from or connected with this inspection.
	Inspector's Signature	Commissions MA - 1420 National Board, State, Province, and Endorsements
Date_	8-41995	내용하는 그렇는 한 경고 말이 되었는 말이 되었다.

As Required by the Provisions of the ASME Code Section XI

Owner	Boston Edison	Co.	Date	11-08-9)4		
800 Box	Name viston Street, Boston	n. MA	Sheet	1 of	1		
	Address						
Plant	Pilgirm Nuclea	r Power Station	1 Unit _	#1			
600 Ro	Name cky Hill Road, Plym	outh MA 0236	30	MR # 19402948	3		
0001101	Address	100011, 1711 1 020		A THE RESIDENCE OF THE PARTY OF	CAROLINE HOUSE CONTRACTOR	n P.O. No. Job No.	etc
Work Perform	med by Boston Edisor	n Company	_ Type C	code Symbol Stamp _			
	Name			ization No.	Service and		
Roc	ky Fill Road, Plymo	outh, MA	Expirat	ion Date	N/A		
	Address						
Identification	of System		Resid	lual Heat Remov	al		
						2-4-4	
	e Construction Code ASM e Edition of Section XI Uti						Jase
(b) Applicabl	e Edition of Section XI Of	lized for Repairs of	replacemen	its 1900 Willer O	o Adderid		
(distribution	of Community Design	t as Danisand and	Daniscament	Componente			
Identification	of Components Repaired	or Replaced and	Replacement	Components			
					T		16116
			National			Repaired	ASME
Name o	of Name of	Manufacturer	Board	Other	Year	Replaced or	Stampe
Compon	ent Manufacturer	Serial No.	No.	Identification	Built	Replacmement	(Yes or No)
				Model #1035-5	70	repair	Yes
MO-1001-34	8 Anchor Valve			INICOCI WICODO-O	1.52		
MO-1001-34	E			Wodel #1055-5	1,0		
	E			Model #1055-5	-		
	E			Model #1055-5			
	E			Model #1055-5			
	E			Model #1055-5			
	E			Model #1055-5			
	E			Model #1055-5			
	E			Model #1055-5			
	E			Model #1055-5			
	E			Model #1055-5			
VALVE		10G and EPN	'e /5#				
VALVE	E	10G and FRN	's (SE				
VAL VA	of Nork Per PDC #93			E REMARK	(5)		
VAL VA		eumatic 🗌 Nominai	Operating P	E REMAR*	(5)		

	Installed a new st Applicable Manufactur	rer's Data Reports to be attached
		CERTIFICATE OF COMPLIANCE
We cert	fy that the statements m	hade in the report are correct and this conforms to the rules of the
ASME Code		repair or replacement
ASME Code	Section XI.	
Type Code S	ymbol Stamp	N/A
Certificate of	Authorization Na.	N/A Expiration Date
Certificate of		
Signed U	Owner or Owner's De	
	Owner or Owner a De	ogree, i ne
		CERTIFICATE OF INSERVICE INSPECTION
1 the undered	anned balding a unlid county	marinaian insued by the National Good of Bailer and Pressure Vessel Inspectors and the City
		mmission issued by the National Board of Boiler and Fressure Vessel Inspectors and the Sta and employed by <u>Factory Mutual System</u>
, ravinos ar _	Norwood, Massachus	have inspected the components described in this Owner's R
during the pe	riod 1/- 8-9	4 to 8-1-95 and state that to
best of my k	nowledge and belief, the	Owner has performed examinations and taken corrective measures described in this Ow
Report in acc	cordance with the require	ments of the ASME Code, Section XI.
By signing th	is certificate neither the l	Inspector nor his employer makes any warranty, expressed or implied, concerning the examina
		n this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in
manner for a	ny personal injury or prop	perty damage or a loss of any king arising from or connected with this inspection.
10	Shad	010 1110
	14812.	Commissions 19A 1420
V	Inspector's Signature	Commissions MA 1420 National Board, State, Province, and Endorsements
	84	
Date	07	19 73

As Required by the Provisions of the ASME Code Section XI

Owner	Boston Edison	Co.	Date	03-23-	95		
	Name				4		
800 Boyisto	n Street, Boston Address	1. MA	_ Sheet _	1of	1		
Plant	Pilgirm Nuclear	Power Station	Unit	#1			
	Name						
600 Rocky	Hill Road, Plym	outh, MA 0236	10	MR # 1940136	1		
	Address				-	n P.O. No. Job No.	etc.
	oy General Electi Name	irc Company		de Symbol Stamp _ ation No			
	ess Center, King of P	russia, PA 19406		n Date			
1 may 1 m	Address				A SEAL ASSESSMENT		
Identification of Sy	stem		Reacto	or Water Clean	Up		
(a) Applicable Cas	stanting Code ACA	AC III	1000	Edition	Addondo	Code	C
	nstruction Code <u>ASN</u> tion of Section XI Util			Edition,			∪d3e
b) rippirouble cui	aut of bootsti hir our	account tropans or	replacement	1111101	TO PROGRESSION		
							ASME
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired Replaced or Replacmement	CODE Stamped (Yes
							or No)
MO-1201-5	Ring-O				95	replace	Yes
Gate Valve	1960						
MO-1201-2	Ring-O	_			95	replace	Yes
Gate Valve							
	-				-		
				A SECURE OF THE PARTY OF THE PA			
							The section of the se
Description of Wor	rk Replaced MO	1201-2 & MO1	201-5 with	new ring-o val	ves.		
Tests Conducted	rk Replaced MO Hydrostatic □ Pne Other ☑ Pressure	umatic Nominal	Operating Pre	ssure 🗆 Code C	ase #N-		

	Applicable Manufacturer's Di	ata Reports to be attached
		CERTIFICATE OF COMPLIANCE
We ce	rtify that the statements made in	the report are correct and this conforms to the rules of the
ASME Code	Section XI.	repair of applications
Type Code :	Symbol Stamp	N/A
		AUA Eurisation Oata
Certificate o	Authorization No	N/A Expiration Date
Signed		QCDM Date 8/3 ,1995
	Owner of Owner's Designee	Title
	CE	ERTIFICATE OF INSERVICE INSPECTION
I, the under		on issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat
Province of	MASS	and employed by Factory Mutual System
	Norwood, Massachusetts	have inspected the components described in this Owner's Re
	eriod 3-3-95	
		er has performed examinations and taken corrective measures described in this Own
	cordance with the requirements	
		or nor his employer makes any warranty, expressed or implied, concerning the examinat
		Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in
manner for		image or a loss of any king arising from or connected with this inspection.
	1/5 head	MA III S S
	1-1701-	Commissions MA . 442 0 National Board, State, Province, and Endorsements
		Makes at December 20 to the Commission and Production of the Commission of the Commi
	the pector's Signature	National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code Section XI

Owner	Boston Edison	Co.	Date	06-29-9	5		
800 Boyl	ston Street, Bosto	n MA	Sheet	1 of	1		
000 001	Address	II. INO					
Plant	Pilgirm Nuclea	r Power Station	1 Unit	#1			
	Name						
600 Rock	ky Hill Road, Plyn	nouth, MA 0236	30	MR # 19302417			
	Address				-	P.O. No. Job No.	etc.
Work Perform	ed by Boston Ediso	n Company		de Symbol Stamp _			
Pool	Name cy Hill Road, Plym	outh MA			N/A N/A		
Rock	Address	oddi, WA	_ CXPII atto	n Date	IVA	AND THE RESIDENCE AND ADDRESS OF THE PERSON	
Identification of	of System		Main S	Steam			
(a) Annlicable	Construction Code AN	SI B31 1	1967	Edition	Addenda	Code (Case
	Edition of Section XI Ut						
(u) Applicable	Edition of Section At Or	inced for repairs of	rvepiarourion	5 1000 Trinoi Oi	7100010		
Identification	of Components Repaire	d or Replaced and	Replacement (Components			
. Carrier and .							
					T		ASME
			National			Repaired	CODE
Name of		Manufacturer	Board	Other	Year	Replaced or	
Name of Compone		Manufacturer Serial No	No.	Other Identification	Year Built	Replaced or Replacmement	Stamped (Yes or No)
		Transcontinuous and the second second					
		Transcontinuous and the second second					(Yes
Compone		Transcontinuous and the second second				Replacmement	(Yes or No)
Compone H-1-1-HC1		Transcontinuous and the second second	No.		Built	Replacmement	(Yes or No)
Compone H-1-1-HC1 Support		Transcontinuous and the second second	No.			Replacmement	(Yes or No) No
Compone H-1-1-HC1 Support H-1-1-HD1		Transcontinuous and the second second	No.		Built	Replacmement	(Yes or No) No
Compone H-1-1-HC1 Support H-1-1-HD1		Transcontinuous and the second second	No.		Built	Replacmement	(Yes or No)
Compone H-1-1-HC1 Support H-1-1-HD1		Transcontinuous and the second second	No.		Built	Replacmement	(Yes or No)
Compone H-1-1-HC1 Support H-1-1-HD1		Transcontinuous and the second second	No.		Built	Replacmement	(Yes or No)
Compone H-1-1-HC1 Support H-1-1-HD1		Transcontinuous and the second second	No.		Built	Replacmement	(Yes or No)
Compone H-1-1-HC1 Support H-1-1-HD1		Transcontinuous and the second second	No.		Built	Replacmement	(Yes or No) No
Compone H-1-1-HC1 Support H-1-1-HD1		Transcontinuous and the second second	No.		Built	Replacmement	(Yes or No) No
Compone H-1-1-HC1 Support H-1-1-HD1		Transcontinuous and the second second	No.		Built	Replacmement	(Yes or No) No
Compone H-1-1-HC1 Support H-1-1-HD1 Support	nt Manufacturer	Serial No	No.		Built	Replacmement	(Yes or No)
Compone H-1-1-HC1 Support H-1-1-HD1 Support		Serial No	No.		Built	Replacmement	(Yes or No)
Compone H-1-1-HC1 Support H-1-1-HD1 Support	Manufacturer Mork Repair suppo	senai No	No.	Identification	Built	Replacmement	(Yes or No)
Compone H-1-1-HC1 Support H-1-1-HD1 Support	nt Manufacturer	erts per FRN #9	No. 14-01-44 Operating Pre	Identification	Built	Replacmement	(Yes or No) No

emarks	Repairs completed per MR and FRN. Applicable Manufacturer's Data Reports to be attached
	Applicable manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
We ce	ertify that the statements made in the report are correct and this conforms to the rules of the
	e. Section XI.
	[[[[[[[] [[] [[] [[] [[] [[] [[] [[] [[
Type Code	Symbol Stamp N/A
Certificate of	of Authorization No. I N/A Expiration Date
	O Solvione QCDM Date 8/3 1995
Signed	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
i, the under	signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat
Province of	
	Norwood, Massachusetts have inspected the components described in this Owner's Re
-	period $6-29-95$ to $8-7-95$ and state that to
	knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Own
	coordance with the requirements of the ASME Code, Section XI.
	this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinat
	ive measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in
manner for	any personal injury or property damage or a loss of any king arising from or connected with this inspection.
	Inspector's Signature Commissions MA 1420 National Board, State, Province, and Endorsements
	Commissions MA 1700
	Inspector's Signature National Board, State, Province, and Endorsements
	P-41995
Date	Y - 4 - 90

As Required by the Provisions of the ASME Code Section XI

rpe Code Symbol Stamp uthorization No	5, 19501 ganization	1136 1 P.O. No. Job No.	etc
MR # 19401235 Repair Or repe Code Symbol Stamputhorization No	ganization N/A N/A		etc.
MR # 19401235 Repair Or rpe Code Symbol Stamp uthorization No	ganization N/A N/A		etc.
Repair Or rpe Code Symbol Stamp	ganization N/A N/A		etc.
Repair Or rpe Code Symbol Stamp	ganization N/A N/A		etc
rpe Code Symbol Stamp uthorization No	N/A N/A	1 P.O. No. Job No.	etc.
uthorization No.	N/A		
phanor Date	14073	STREET, STREET	
ain Steam			
			Case
THING OF			
ment Components			
	1		ASME
nal		Repaired	CODE
	100000000000000000000000000000000000000	The second secon	Stampe (Yes
Identinodion	Dunk	rapidoment	or No
		replace	No
	-		
		replace	No
	_		
		realcre	No
	+		
-	ment Components all Other identification	ment Components Tal d Other Year Identification Built	nal d Other Year Replaced or Replacement replace

marks	Completed per required maintenance request.
	Applicable Manufacturer's Data Reports to be attached
-	CERTIFICATE OF COMPLIANCE
Mac	ertify that the statements made in the report are correct and this conforms to the rules of the
10115.0	repair or replacement
ASME God	de, Section XI.
Tora Cada	Symbol Stamp N/A
Type Code	
Certificate	of Authorization No. N/A Expiration Date — — — — — — — — — — — — — — — — — — —
Signed	Q 5 chip QCVM Date 8/3 1995
Oig/red	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
I the unde	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta
	f MASS and employed by Factory Mutual System Norwood, Massachusetts have inspected the components described in this Owner's Re
during the	period $9-9-94$ to $8-/-95$ and state that to
best of my	knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Own
Report in a	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 examina
and correc	tive measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in
manner for	r any personal injury or property damage or a loss of any king arising from or connected with this inspection.
	15 100
	1-7912- Commissions MA (720
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Inspector's Signature National Board, State, Province, and Endorsements
	Inspector's Signature Commissions MA (420 National Board, State, Province, and Endorsements 8-419 95

As Required by the Provisions of the ASME Code Section XI

	Boston Edison	Co.	Date	6-29-9	5		
	lame Street, Bostor	MAA	Chast	1 of	4		
The same and the s	ddress	I, IVIA	Sheet	1 01			
	Pilgirm Nuclear	Power Station	Unit	#1			
-	lame	TOWER Station		MR#19500423.	19401	118	
	ill Road, Plym	outh MA 0236		MR# 19402447			
	ddress	Odti, 1417 0200		And the second s	-	n P.O. No. Job No.	etc
Work Performed by		Company	Type Co	de Symbol Stamp _	-		
	lame			ation No.	N/A		
Rocky Hi	II Road, Plymo	uth, MA		n Date	N/A		
	ddress						
Identification of Sys	tem		Residu	al Heat Remov	/al		
a) Applicable Cons	truction Code ANS	: B31.1	1967	Edition	Addenda	Code (Case
	on of Section XI Util						
b) Applicable Culti	I OI Section AT OU	ized for Nepairs of	replacement	S_1300_ William O	o mageria	u .	
Identification of Co	mponents Repaired	or Replaced and R	leplacement C	omponents			
							ASM
	1		National			Repaired	COD
Name of	Name of	Manufacturer	Board	Other	Year	Replaced or	Stamp
Component	Manufacturer	Serial No.	No.	Identification	Built	Replacmement	or No
Component							1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Component							
	Bergen				-	repair	No
H10-1-1025	Bergen Paterson					repair	No
H10-1-1025 Support	Paterson		- 344		95		
H10-1-1025 Support H10-1-155	Paterson Bergen	-	, jak		95	repair replace	No No
H10-1-1025 Support H10-1-155 Support	Paterson Bergen Paterson		1,000			replace	No
H10-1-1025 Support H10-1-155 Support H10-1-280	Paterson Bergen Paterson Bergen				95 95		
H10-1-1025 Support H10-1-155 Support H10-1-280 Support	Paterson Bergen Paterson					replace	No No
H10-1-1025 Support H10-1-155 Support H10-1-280 Support H10-1-120SR	Paterson Bergen Paterson Bergen					replace	No
H10-1-1025 Support H10-1-155 Support H10-1-280 Support H10-1-120SR Support	Paterson Bergen Paterson Bergen	-				replace repaice repair	No No
H10-1-1025 Support H10-1-155 Support H10-1-280 Support H10-1-120SR Support H10-1-SG16	Paterson Bergen Paterson Bergen					replace	No No
H10-1-1025 Support H10-1-155 Support H10-1-280 Support H10-1-120SR Support H10-1-SG16	Paterson Bergen Paterson Bergen					replace repaice repair	No No
H10-1-1025 Support H10-1-155 Support H10-1-280 Support H10-1-120SR Support H10-1-SG16	Paterson Bergen Paterson Bergen					replace repaice repair	No No
H10-1-1025 Support H10-1-155 Support H10-1-280 Support H10-1-120SR Support H10-1-SG16	Paterson Bergen Paterson Bergen					replace repaice repair	No No
H10-1-1025 Support H10-1-155	Paterson Bergen Paterson Bergen					replace repaice repair	No No
H10-1-1025 Support H10-1-155 Support H10-1-280 Support H10-1-120SR Support H10-1-SG16 Support	Paterson Bergen Paterson Bergen Paterson					replace repaice repair	No No
H10-1-1025 Support H10-1-155 Support H10-1-280 Support H10-1-120SR Support H10-1-SG16	Paterson Bergen Paterson Bergen Paterson					replace repaice repair	No No
H10-1-1025 Support H10-1-155 Support H10-1-280 Support H10-1-120SR Support H10-1-SG16 Support	Paterson Bergen Paterson Bergen Paterson See Remarks					replace repaice repair	No No
H10-1-1025 Support H10-1-155 Support H10-1-280 Support H10-1-120SR Support H10-1-SG16 Support	Paterson Bergen Paterson Bergen Paterson	umatic ☐ Nominal (Operating Pre	ssure 🗆		replace repaice repair	No No No

marks	Modify H10-1-1025 per FRN #94-01-09&56, repair and replace H10-1-155 and
	Applicable Manufacturer's Data Reports to be attached
	H10-1-280 per FRN#94-18F-01, 08&09, documentation change only for H10-1-120SR
	per FRN #95-01-19, repair H10-1-SG16 per FRN #93-01-53,12 & 34.
	per PRN #95-01-19, Tepair PTO-1-50 to per PRN #95-01-50, 12 & 54.
	Completed per MR#19500423, #19401118, #2447, #2436 and 19301461.
	CERTIFICATE OF COMPLIANCE
We ce	ertify that the statements made in the report are correct and this conforms to the rules of the
ASME Cod	e. Section XI.
ASINE OUG	e, deviation.
Type Code	Symbol Stamp N/A
Type Dode	
Certificate	Authorization No. N/A Expiration Date
Signed	PSCH QCDM Date 8/3/95 19 95
	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
I, the under	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat
Province of	14.4 5 S and employed by Factory Mutual System
	Norwood, Massachusetts have inspected the components described in this Owner's Re
	period $6-29-95$ to $8-195$ and state that to
best of my	knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Own
Report in a	ccordance with the requirements of the ASME Code, Section XI.
- No. 196	this certificate neither the Inspector nor his employer mixes any warranty, expressed or implied, concerning the examinat
	tive measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in
manner for	any personal injury or property damage or a loss of any king arising from or connected with this inspection.
	any personal injury or property damage or a loss of any king arising from or connected with this inspection. S
-	Commissions 174 1920
	Inspector's Signature National Board, State, Province, and Endorsements
Date	8-41995

As Required by the Provisions of the ASME Code Section XI

Owner	Boston Edison	C0.	Date	9-9-94			-
900 Barr	Name	. 144		1of	4		
900 BOA	Iston Street, Bosto	I, MA	_ Sneet	or		-	
Plant	Pilgirm Nuclea	r Power Station	Unit	#1			
164) 15	Name	T OTTO STATION					
600 Roc	ky Hill Road, Plyn	outh, MA 0236	0	MR# 19401332	2		
	Address			Repair O	rganization	P.O. No. Job No.	etc.
Nork Perform	ned by Boston Ediso	n Company		de Symbol Stamp			
	Name			ation No.			
Roc	ky Hill Road, Plym	outh, MA	Expiratio	n Date	N/A		
	Address						
dentification	of System		Residu	ial Heat Remov	/al		
deritinoation	OI O/OICH	TOTAL AND ADDRESS TO AND ADDRESS OF THE ADDRESS OF	1199199		and advantagements		
a) Applicable	Construction Code AN	SI 831.1	1967	Edition.	Addenda	. Code (Case
b) Applicable	e Edition of Section XI Ut	ilized for Repairs or	Replacement	s 1980 Winter 8	30 Addenda	3	
Identification	of Components Repaire	d or Replaced and R	Replacement (Components			
	We seember some residence						
			National			Repaired	CODE
Name o	of Name of	Manufacturer	Board	Other	Year	Replaced or	Stamp
Compone	ent Manufacturer	Serial No.	No.	Identification	Built	Replacmement	(Yes
							or No
66 10 20 02	Remen	406			-	reniace	No
SS-10-20-02		405				replace	No
SS-10-20-02 Snubber	Bergen Paterson	405	_	- Control of the Cont	-	replace	No
		405		age design	_	replace	No
		405		Agriculture and the second		replace	No
		405				replace	No
		405				replace	No
		405				replace	No
		405				replace	No
		405				replace	No
		405				replace	No
		405				replace	No
		405				replace	No
Snubber			01332-1			replace	No
Snubber Description o	Paterson f Work Replace Snut	ber per MWP#1940				replace	No
Snubber Description o	f Work Replace Snub	ber per MWP#1940	Operating Pre			replace	No
Snubber Description o	f Work Replace Snub	ber per MWP#1940	Operating Pre			replace	No
Snubber Description o	f Work Replace Snub	ber per MWP#1940 eumatic Nominal psi Te	Operating Pre			replace	No

emarks Replaced snubber per M Applicable Manufacturer's Dat	
	CERTIFICATE OF COMPLIANCE
We certify that the statements made in th	repair of replacement conforms to the rules of the
ASME Code, Section XI.	Constitution of the Consti
Type Code Symbol Stamp	N/A
Certificate of Authorization No.	N/A Expiration Date
a College	QC DM Date 8/3 19 95
Owner of Owner's Designee, 1	Title Date 7
CER	RTIFICATE OF INSERVICE INSPECTION
I the section of bolders a self-constraint	land to the National Board of Bullet and Bul
4 (4 4 4	n issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta and employed by Factory Mutual System
	have inspected the components described in this Owner's Re
during the period $9-9-94$	to 8-/-95 and state that to
	has performed examinations and taken corrective measures described in this Own
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 examinal
and corrective measures described in this Ov	vner's Report. Furthermore, neither the Inspector nor his employer shall be liable in
manner for any persanal injury or property dam	hage or a loss of any king arising from or connected with this inspection.
100 head	1/1 1/1
14016	Commissions 19A 1420
nspector's Signature	Commissions MA 14 20 National Board, State, Province, and Endorsements
Date 8-41995	

As Required by the Provisions of the ASME Code Section XI

	Boston Edison	Co.	Date	5-6-94			
800 Boylet	Name on Street, Bostor	n MA	Sheet	1 of	1		
OUU DOVISIO	Address	I, IVIA	Sneet _				
Plant	Pilgirm Nuclea	Power Station	Unit	#1			
600 Rocky	Name Hill Road, Plym	nouth, MA 0236	0	MR# 19201160			
	Address					PO. No. Job No.	etc.
Work Performed	by Boston Edisor	n Company		de Symbol Stamp _			
	Name		Authoriz	ation No.	N/A	promote dependent of the same state of	
Rocky	Hill Road, Plymo	outh, MA	Expiration	on Date	N/A		
Identification of S	Sustain		Resido	ual Heat Remov	al		
identification of S	System		Reside	al rical remov	Q1		
(a) Applicable Co	onstruction Code ASM	ME Sec. VIII. Div. 1	1986	Edition. —	Addenda	Code (Case
rgermication of	Components Repaired	To replaced and re					ASME
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired Replaced or Replacmement	Stamped (Yes or No)
	Anderson	N200014			94	replace	Yes
PSV-1001-44			-	grander and the second			
PSV-1001-44 Safety Valve	Greenwood						
	Greenwood						
	Greenwood						
	Greenwood						
	Greenwood						
	Greenwood						
	Greenwood						
	Greenwood						
	Greenwood						
	Greenwood						
		valve - reused origin	al boilting/nuts	3			
Safety Valve Description of We	ork_Replace relief				e l eak	test with no vis	sible leaks a
Safety Valve Description of We							sible leaks a
Safety Valve Description of We	orkReplace relief v		Operating Pre	essure de Inservic			sible leaks a

emarks	* Valve was hydrostatically tested by the vendor, Anderson Greer wood
	Applicable Manufacturer's Data Reports to be attached
	in accordance with spec No 5-9065-052, reference MRIR # 94-0 4.
	Completed per MR#19201160.
	Valve was purchased "Q" from Anderson Greenwood, MRIR# 94-0834.
	CERTIFICATE OF COMPLIANCE
Wece	ertify that the statements made in the report are correct and this replacement conforms to the rules of the
	te, Section XI.
Type Code	Symbol Stamp N/A
Certificate	of Authorization No. N/A Expiration Date — Date 8/3 19 95 Owner or Owner's Designee, Title
	OR Salf Date 8/3 1995
Signed	Owner or owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	A MASS and employed by Factory Mutual System Norwood, Massachusetts have inspected the component
	Norwood, Massachusetts have inspected the component
	in this Owner's Report during the period 5-6-94 to 8-7-95 and state that to the
	knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner accordance with the requirements of the ASME Code, Section XI.
	this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examination
	tive measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in a
	any personal injury or property damage or a loss of any king arising from or connected with this inspection.
	Commissions MA 1420
	AS MAY COMMISSIONS MA 1450 Inspector's Signature National Board, State, Province, and Endorsements
	8-4 19 95
Date	9 / 19 / 5

Owner	Boston Edison	Co.	Date	9-9-94			
	Name						
800 Boylste	on Street, Bosto	n, MA	_ Sheet _	1	1		
Olast	Address Pilgirm Nuclea	r Power Station	O Unit	#4			
Plant	Name	Power Station	<u>1</u> Unit	#1			
600 Rocky	Hill Road, Plym	nouth, MA 0236	30	MR# 19401237			
	Address			Repair Org	ganization	n P.O. No. Job No.	etc
Work Performed	by Boston Ediso	n Company		de Symbol Stamp			
See to	Name				N/A		
ROCKY	Hill Road, Plymo	outh, MA	Expiration	on Date	N/A		
	Address						
dentification of S	ystem		HPCI				
a) Applicable Co	nstruction Code AN	SI B31.1	1967	Edition.	Addenda	Code	Case
b) Applicable Ed	lition of Section XI Ut	lized for Repairs or	Replacement	s 1980 Winter 80	Addenda	a	
identification of 0	Components Repaired	d or Replaced and	Replacement (Components			
							ASME
			National			Repaired	CODE
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No	Other Identification	Year Built	Replaced or Replacmement	Stampe
Component	Manufacturer	Senai No.	140.	ideranicador:	Duilt	Replacmement	(Yes or No)
		1			1		
					1		
SS-23-10-02	Bergen	65				replace	No
SS-23-10-02 Snubber	Bergen Paterson	65				replace	No
		65			-	replace	No
		65			-	replace	No
		65				replace	No
		65				replace	No
		65				replace	No
		65				replace	No
		65				replace	No
		65				replace	No
		65				replace	No
		65				replace	No
		65				replace	No
Snubber	Paterson		MP#1940123	7		replace	No
Snubber			MR#1940123	7		replace	No
Snubber Description of Wo	Paterson	place snubber per				replace	No
Snubber Description of Wo	Paterson ork Remove and re Hydrostatic Pne	place snubber per	Operating Pre	ssure 🗌		replace	No
Snubber Description of Wo	Paterson ork Remove and re	place snubber per umatic Nominal psi Tes	Operating Pre	ssure 🗌		replace	No

	Applicable Manufactu	rer's Data Reports to be a	ttached	
		CERTIFICATE	OF COMPLIANCE	
We ce	ertify that the statements of	nade in the report are corre		nforms to the rules of the
	e. Section XI		repair replacement	
AGINE COO	e, Section At.			
Type Code	Symbol Stamp		N/A	
A STATE OF THE PARTY OF THE PAR			Facilities Data	
Certificate	of Authorization, No.	N/A	Expiration Date	~ ~
Signed	1 defore	QCD M	Date 8A	. 19 93
	Owner of Owner's De	signee, Title		
		CERTIFICATE OF IN	SERVICE INSPECTION	
	signed, holding a valid co	mmission issued by the Na	ational Board of Boiler and Pressure Ve	essel Inspectors and the Sta
Province of	MASS	atta	and employed by Factory Mutual have inspected the components of	described in this Owner's R
during the r	Norwood, Massachus	etts	to 3-1-95	and state that to
during the p	knowledge and helief th	o Owner has performed a	xaminations and taken corrective mea	sures described in this Ow
hast of my		ments of the ASME Code,		
			makes any warranty, expressed or impl	ied, concerning the examina
Report in a	this certificate neither the		urthermore, neither the Inspector nor hi	
Report in a		n this Owner's Report Fa		
Report in ad By signing and correct	tive measures described in			his inspection.
Report in ad By signing and correct	ive measures described in any personal injury or prop	perty damage or a loss of a	ny king arising from or connected with t	his inspection.
Report in ad By signing and correct	ive measures described in any personal injury or prop	perty damage or a loss of a	ny king arising from or connected with t	his inspection.
Report in ad By signing and correct	ive measures described in any personal injury or prop	perty damage or a loss of a	ny king arising from or connected with t	
Report in ad By signing and correct	ive measures described in any personal injury or prop	certy damage or a loss of a	ny king arising from or connected with the hissions MA 1450	

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

	on Edison (e e		9-23-			
-	1ston St.		Commence of the Park Ann	Sheet 1	of_1		
Pilgr Pilgr	im Nuclear	Power St	ation	UnitI			
Rocky H	ill Road,	1ymouth,	MA		ock Co	orp; P.O.	112250
Work Performed by	Target Ro	ck Corp &	Owner	Repair Org	anization P	19. No., Job No.,	MRIR#
Westingho	use Wester	n Service	Centre	Authorization No.			
Identification of Sy	Address Main	Steam	-	Expiration Date	T.	1/ //	
	Name of	Manufacturer Serial No.	National Board	Other	Year	Repaired, Replaced,	ASME Code Stamped (Yes
Name of Component	Manufacturer		No.	Identification	Built	or Replacement	01 1407
Name of Component	Manufacturer			P.F.C.O.			
Component	Target	s/r Body 180		BECO: RV203-3A		repaired	yes
Component		s/r			1980	repaired	yes
Safety Relief	Target Rock	s/r Body 180 Cartridg	е		1980	repaired	yes
Safety Relief	Target Rock	s/r Body 180 Cartridg #1054	е		1980	repaired	yes
Safety Relief	Target Rock Corp.	s/r Body 180 Cartridg #1054 Cartridg	e 1049		1980	repaired	yes
Safety Relief	Target Rock Corp.	S/n Body 180 Cartridg #1054 Cartridg Body 74 and Main s/n 008 t removal	e e1049 Stage and We1		for		



and	a	cer	tif	icat	tion	Agello	Ste W	art or the	17 P8'4'	1881	By.	rasp	ge t	Rock	k to	veri	fу	name
pla	te	set	ро	int.	. А	1 s o	rep	laced	bod	y to	bas	se	stud	s ((88	, bol	ts	(#107
and	nu	ts	(#1	15).	. А	11	part	s are	ink	ind	rep	lac	emen	ts p	rov	ided	bу	

We certify that the statements made in the report are correct , "ME Code, Section XI.	and this PEPLAGNET conforms to the rules of the repair or replacement
Type Code Symbol Stamp N/A	
Certificate of Authorization No. NA	Expiration Date NA
Signed Owner or Givner's Designee, Title	2 Date 2/14 1995

CERTIFICATE OF INSER	VICE INSPECTION
I, the undersigned, holding a valid commission issued by the National of Province of MA and employed by FACTO	ORY MUTUAL SYSTEMS OF
NORWOOD MA in this Owner's Report during the period 2/23/94	have inspected the components described to $\frac{2-14-95}{}$, and state that
to the best of my knowledge and belief, the Owner has performed e Owner's Report in accordance with the requirements of the ASME Co	xaminations and taken corrective measures described in this
By signing this certificate neither the Inspector nor his employer examinations and corrective measures described in this Owner's Re shall be liable in any manner for any personal injury or property dam	port. Furthermore, neither the Inspector nor his employer
Inspection. Commission	ns MA 1420
ynspector's Signature	National Board, State, Province, and Endorsements
Date	

(12/82)

Owner		Son Co.	Date	4-21-94	1					
800 Boy	Name Iston Street, B	oston, MA	Sheet	1 of	1					
	Address									
Plant		clear Power Statio	n Unit	#1						
600 Bos	Name	Dismouth 844 022	60	MR# 90-29-106						
600 K00	Address	Plymouth, MA 023	00			P.O. No. Job No.	etc			
Nork Perform	4. 11.00.000.000.000.000.000	dison Company	Type Co	de Symbol Stamp _	-					
	Name		Authoriz	Auti orization No. N/A						
Roc	ky Hill Road, P	lymouth, MA	Expiratio	n Date	N/A					
	Address									
dentification	of Cuntom		Salt S	ervice Water						
dentification	or system		Oan O	STAIGE AAGTEL			-			
a) Applicable	Construction Code	e ANSI B31.1	1967	Edition,	Addenda	Code (Case			
		XI Utilized for Repairs of								
dentification	of Components Re	paired or Replaced and	Reviacement (Components						
and the same of		F								
							ASM			
			National		1	Repaired	COD			
Name o		and the same of th	Board	Other	Year	Replaced or	Stamp			
Compone	ent Manufact	turer Serial No.	No.	Identification	Built	Replacmement	(Yes			
			-							
20.01/.0000	E Crane				68	repair	No			
			1 1		100	repair	110			
29-CK-3880- Check Valve	Crane			Santa Pro-			1			
Check Valve	Crane				-					
	- Crane		-							
	e Crane									
	e Crane									
	e Crane									
	e Crane									
	e Crane									
	e Crane									
	e Crane									
	e Crane									
Check Valve										
Check Valve		valve #29-CK-3880E								
Description o	f Work Rebuild	valve #29-CK-3880E	i Operating Pre	essure Inservice	ce leak t	est.				
Description o	f Work Rebuild	valve #29-CK-3880E		essure ☑ Inservice	ce leak	test.				

emarks	DWG #M11	7BC5-2 Rev.	E3 Docume	ents all upgr	aded parts use for	
			Reports to be att			
	valve #29-C	K-3880 rebu	ild. Body to h	body bolts w	vere changed to	
	monel: disc	is Monel				
	moner, disc	is motion.				
			CERTIFICATE C	F COMPLIAN	CE	
Wece	ortify that the stateme	ents made in the	report are correc	t and this	replacement conform	ns to the rules of the
				repair	or replacement	
ASME COD	e, Section XI.					
Type Code	Symbol Stamp			N/A		
Certificate of	of Authorization No		N/A	Expiration (0.0
Signed	U/ Odhflere	GCIM	An analysis of the same of the		Date 8/3	. 19 9,
	Ownerfor Owne	r's Designee, Tit	lle			
		CERT	TIFICATE OF INS	SERVICE INSP	PECTION	
	Section .					sacal Incorporators and the Chate
	MASS				yed by Factory Mutu	essel Inspectors and the State
of	4-21-04			Norwood A	Massachusetts h	ave inspected the componer
described in	n this Owner's Repo	rt during the peri	iod 4-2	1-94	to 8/-95	ave inspected the component
best of my	knowledge and beli	ef, the Owner h	has performed ex	aminations and	d taken corrective mea	sures described in this Owne
	ccordance with the re					
					ranty, expressed or imp	ied, concerning the examination
						is employer shall be liable in a
					rom or connected with t	
	IAC II.					
	112. HER	-	Comm	issions /	4A 1420	
	Vispector's Signatu	ure	0 011111	Nat	YA 1420 tional Board, State, Pro-	vince, and Endorsements
						Titles, alle alles authorities
Date	8	.41995	A			
	and the same and t	1010				

As Required by the Provisions of the ASME Code Section XI

Owner	and the transfer of the second	Co.	Date	5-10-9	5					
800 Boylst	Name on Street, Bostor	ı, MA	Sheet	1of	1					
Plant	Address Pilgirm Nuclear	Power Station	1 Unit	#1						
600 Rocky	Name Hill Road, Plym	outh MA 0236	50	MR# 19500312	,					
OUU HOCKY	Address	Outil, MA UZSC		A SHARE WAS A SHAR		P.O. No. Job No.	etc			
Nork Performed	by Boston Edisor	Company	Type Co	de Symbol Stamp	-					
	Name			Authorization No. N/A						
Rocky	Hill Road, Plymo	outh, MA		Expiration Date N/A						
	₹ ddress									
dentification of S	System		Salt S	ervice Water						
a) Applicable Co	onstruction Code ANS	81 831 1	1967	Edition,	Addenda	Code (Case			
	dition of Section XI Uti									
dentification of	Components Repaired	or Replaced and I	Replacement (Components						
		, , ,				·				
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired Replaced or Replacmement	ASME CODE Stampe (Yes			
							or No			
	or free Substantiation of The Continues and the Print Additional Assessment of The Continues and The C				95	repair	No			
Flange Conn. D/	S									
	S			and the second			1			
Flange Conn. D/ of valve 29-HO- 3887	S		_							
of valve 29-HO-	s									
of valve 29-HO-	s	-								
of valve 29-HO-	S									
of valve 29-HO-	S									
of valve 29-HO-	S									
of valve 29-HO-	S									
of valve 29-HO-	S									
of valve 29-HO-	S									
of valve 29-HO-	S									
of valve 29-HO-	S									
of valve 29-HO-		and nuts on flange	e D/S of velve	29-НО-3887						
of valve 29-HO- 3887 Description of W	ork Repice boiling									
of valve 29-HO- 3887 Description of W		umatic 🗌 Nominal	Operating Pre	ssure d Inservi	ce leak t	est.				

recorded at the top of this form.

emarks	Replacement bolt	s are A-307-Grad	de-B, replacement	
	Applicable Manufacture			#40500242
	Nuts are A-563-G	rade-A. All mate	rial is "Q". Completed per MR	#19500312

		CERTIFICA	TE OF COMPLIANCE	
Wece	ertify that the statements ma	de in the report are co	errect and this cor	nforms to the rules of the
	le. Section XI.	as in the repensals	repair or replacement	
ASME COO	e, Section At.			
Type Code	Symbol Stamp		N/A	
Certificate of	of Authorization No	N/A	Expiration Date Date 8/3	
Signed_	I O defore	QCIM	Date 8/5	19 95
	Owner or Owner's Des	ignee, Title		
		CERTIFICATE OF	INSERVICE INSPECTION	
	rsigned, holding a valid com	mission issued by the	National Board of Boiler and Pressure and employed by Factory Mu	
Province of	Norwood, Massachuse			s described in this Owner's Re
during the p	period 5-10-95			and state that to
			d examinations and taken corrective m	
	ccordance with the requirem			
By signing I	this certificate neither the In	spector nor his emplo	yer makes any warranty, expressed or in	nplied, concerning the examinat
and correct	live measures described in	this Owner's Report.	Furthermore, neither the Inspector nor	his employer shall be liable in
manner for	any personal injury or prope	erty damage or a loss of	of any king arising from or connected with	h this inspection.
	15 West		111 11/12	
-	Inspector's Signature	Co	immissions MA 1423	
	Inspector's Signature		National Board, State, P	rovince, and Endorsements
Date	8.4 18	95		
Date_				

As Required by the Provisions of the ASME Code Section XI

Owner	Boston Edison	Co.	Date	4-1-95			
800 Boyl	Name ston Street, Boston	n, MA	Sheet	1 of	1		
Plant		r Power Station	Unit	#1			
600 Rock	Name ky Hill Road, Plym	outh MA 0236	0	MR# 19203768	3		
000 1100	Address	TOURTH, THIN OLOG	ž	NAME AND ADDRESS OF THE OWNER, WHEN PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON		P.O. No. Job No.	etc.
Work Perform	ed by Boston Ediso	n Company	Type Co	de Symbol Stamp	N/A		
	Name		Authoriza	ation No.	N/A		
Rock	ky Hill Road, Plymo	outh. MA	Expiratio	n Date	N/A		
	Address						
Identification of	of System		Feedw	ater			
(a) Applicable	Construction Code AN	SI B31.1	1967	Edition,	_Addenda	Code	Case
(b) Applicable	Edition of Section XI Ut	ilized for Repairs or I	Replacement	s 1980 Winter 8	0 Addenda	a .	
Identification	of Components Repaired	d or Replaced and R	eplacement (Components			
Name of Componer		Me tufacturer Serial No.	National Board No	Other Identification	Year Built	Repaired Replaced or Replacmement	ASME CODE Stampe (Yes or No)
Check Valve	Anchor				68	repair	No
	m		_	-			
#62-8	Carling						
#62-8	Carling						
#62-8	Carling				-		
#62-8	Carling						
#62-8	Carling						
#62-8	Carling						
#62-8	Carling						
#62-8	Carling						
#62-8	Carling						
#62-8	Carling						
#62-8	Carling						
	Work Replace bonn		seat pressure	seal gasket and hi	nge pin by	shings.	
Description of	Work Replace bonn	et bolting/nuts, soft s					
Description of	Work Replace bonne	et bolting/nuts, soft s	Operating Pre	essure Inserv			

recorded at the top of this form.

emarks	Applicable Manufacture	R#19203768. Docu r's Data Reports to be at symbols of materia	tached		
		CERTIFICATE	OF COMPLIANCE		
	ertify that the statements made, Section XI.	de in the report are correc	et and this replace		ns to the rules of the
Type Code	Symbol Stamp		N/A		
Certificate	of Authorization No.	N/A	Expiration Date		
Signed	Owner or Owner's Desi	N/A C/C D M gnee, Title	Date	8/3	19 95
		CERTIFICATE OF IN	SERVICE INSPECTION		
I, the under	rsigned, holding a valid comm	mission issued by the Na	itional Board of Boiler and	Pressure Vest Factory Mutual	sel Inspectors and the Stat System
	MASS Norwood, Massachuset period 4-(-	ts	have inspected the	components de	scribed in this Owner's Re
during the	period G (- (- knowledge and belief, the	75	to 5	orractive measur	and state that to
	coordance with the requirem			Miecuve illeasu	iles described in this Otto
	this certificate neither the ins			essed or implied	d, concerning the examinat
F	tive measures described in I				
manner for	any personal injury or prope	rty damage or a loss of ar	ny king arising from or co	nnected with this	s inspection.
	Inspector's Signature	Comm	nissions MA	1420	
	Inapector's Signature		National Boa	rd, State, Provin	ce, and Endorsements
Date	0 ((
Date	0 / 18				

Owner		son Co.	Oate	4-13-9	5		
800 Boy	Name Iston Street, Bo	oston, MA	Sheet	1 of	1		
Plant	Address Pilgirm Nuc	clear Power Statio	n Unit	#1			
	Name						
600 Roc		Plymouth, MA 023	60	MR# 19203902	THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS AND PE	P.O. No. Job No.	etc
Work Perform	Address ned by Boston Ed	dison Company	Type Co	de Symbol Stamp _		17.5.110.300110.	eto.
YYOU P GITOIT	Name			ation No.			
Roc	ky Hill Road, P	lymouth, MA	Expiratio	n Date	N/A		
	Address						
Identification	of System		Feedw	rater			
		ANSI B31.1 XI Utilized for Repairs of			_Addenda		Case
Identification	of Components Re	paired or Replaced and	Replacement (Components			
Name o			National Board No.	Other Identification	Year Built	Repaired Replaced or Replacmement	ASMI COD Stamp (Yes or No
Check Valve				W. 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 -	67	repair	No
#58A	Darling				-		
					-		
					+		
			-		+		
					+		
						L	
	of Work Open In	nspect & replace soft sea	ats, pressure se	eal gasket, hinge pir	bushing.		
Description	A T ST TO ST	Shart a tableta actives					
		Pneumatic Nomina			rice Leal	k Test.	

emarks	Opened and inspected valve interal work. Documented replaced interal parts in
	Applicable Manufacturer's Data Reports to be attached MR #19203902.
	CERTIFICATE OF COMPLIANCE
We ce	ertify that the statements made in the report are correct and thisconforms to the rules of the
ASME Cod	e, Section XI.
Type Code	Symbol Stamp N/A
Certificate of	of Authorization No. / N/A Expiration Date
Signed	of Authorization No. N/A Expiration Date 5/3 1995
o.g. red	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
i, the under	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
Province of	MASS and employed by Factory Mutual System
	Norwood, Massachusetts have inspected the components described in this Owner's Rep
during the p	period $4-/3-95$ to $8\cdot/-95$ and state that to
best of my	knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner
	ccordance 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 examination
and correct	live measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in
manner for	any personal injury or property damage or a loss of any king arising from or connected with this inspection.
	Commissions MA 149 o Inspector's Signature National Board, State, Province, and Endorsements
	Inspector's Signature National Board, State, Province, and Endorsements
	011 01
Date	1.7 107

vner	Boston Edison	Co.	Date	9-9-94			
000 0	Name		300				
800 Boyisto	Address	1, MA	_ Sheet _	1ot	1		
Plant	Pilgirm Nuclear	Power Station	1 Unit	#1			
100.00	Name	TOTAL STATE	A. W				
600 Rocky	Hill Road, Plym	outh, MA 0238	30	MR# 19401234	1		
· Le ret.	Address			Repair O	rganization	P.O. No. Job No.	etc
Work Performed	by Boston Edisor	Company		de Symbol Stamp			
	Name			ation No			
Rocky	Hill Road, Plymo	outh, MA	Expiratio	n Date	N/A		
	Address						
Markifestian of C			Feedw	ator			
dentification of S	yatem		roodn	atti		The second second second second	
a) Applicable Co	nstruction Code ANS	SI 931 1	1967	Edition	Addenda	Code (Case
	ition of Section XI Uti						
b) Applicable Ed	tion of Section At Oti	lized for Repairs of	Replacement	a laori Aanirei c	O Addende		
Identification of C	components Repaired	or Replaced and	Replacement (Components			
							ASME
			National			Repaired	CODE
Name of	Name of	Manufacturer	Board	Other	Year	Replaced or	Stamped (Yes
Component	Manufacturer	Serial No.	No.	Identification	Built	Replacmement	or No)
00.0.10.00	Danasa	420		-	-	raniaca	No
SS-6-10-02 Snubber	Bergen	430	-	-	-	replace	NO
Sildopei	r der son						
					-		
				and the second second second	+		
Description of Wo	ork Remove and re	eplace snubber per	MWP#19401;	234-1			
	Hydrostatic Pne	eumatic 🗌 Nominal	Operating Pre	ssure			
		eumatic 🗌 Nominal	Operating Pre	ssure			
	Hydrostatic Pne	eumatic 🗌 Nominal	Operating Pre	ssure			
Tests Conducted	Hydrostatic ☐ Pne Other ✔ Pressure_	eumatic Nominal	Operating Prest Temp.	essure 🗆	8½ in. x 11	in. (2) informa-	
ests Conducted	Hydrostatic Pne Other Pressure Pre-installation test	eumatic Nominal psi Te	Operating Prest Temp	essure = °F			s is
ests Conducted	Hydrostatic Pressure_ Other Pressure_ Pre-installation test in form of lists, skel	eumatic Nominal psi Te	Operating Prest Temp	essure = °F			s is

marks	Replaced Snubber per MR #19401234. Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
We co	ertify that the statements made in the report are correct and this conforms to the rules of the
ASME Cod	le, Section XI.
Type Code	Symbol StampN/A
Certificate	of Authorization Ng N/A Expiration Date
Signed	(1) Schipe QCDM Date 8/3 19 95
Oigrius	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
I, the unde	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat
Province of	MASS and employed by Factory Mutual System
de also a the	Norwood, Massachusetts have inspected the components described in this Owner's Re
bant of my	period 9-9-94 to 8-195 and state that to knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Own
	accordance with the requirements of the ASME Code, Section XI.
	this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinat
	tive measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in
	any personal injury or property damage or a loss of any king arising from or connected with this inspection.
	Commissions MA 1420
	Inspector's Signature Commissions MA 1420 National Board, State, Province, and Endorsements
	8-41995

Owner	Boston Edison	Co.	Date	2-3-9	5		
	Name						
800 Boylsto	on Street, Bostor	n, MA	Sheet	of	1		
	Address						
Plant	Pilgirm Nuclear	Power Station	1 Unit_	#1			
	Name					0.100.170	
600 Rocky	Hill Road, Plym	outh, MA 0236	50	MR# 1940347			
	Address					n P.O. No. Job No.	etc.
Work Performed	by Boston Edisor	Company		Code Symbol Stamp			
Packy	Name Hill Road, Plymo	with MA		ization No.			
RUCKY	Address	Jutil, MIA	_ expira	tion Date	INA		
	Address						
Identification of S	ystem		Salt	Service Water			
a) Applicable Co	nstruction Code ANS	SI 831 1	1967	Edition	Addenda	Code	Case
	ition of Section XI Uti						2400
(b) rippinousia ca	mar or occuping on	nasa isi itapana si		1000	da crassina		
identification of C	Components Repaired	for Replaced and I	Replacemen	t Components			
							40110
			National			Repaired	ASME
Name of	Name of	Manufacturer	Board	Other	Year	Replaced or	Stampe
Component	Manufacturer	Serial No.	No.	identification	Built	Replacmement	(Yes
							or No)
29-HO-3842	Pratt	Mono Flange		MK#994	94	replace	No
Butterfly Valve		II, CS	***				
29-HO-3829	Pratt	Mono Flange		MK#994	94	replace	No
Butterfly Valve		II, CS					
		1 14 . 5					
		A					
Description of W	ork Replace valves	bolting & nuts as	required				
Description of We	ork_ Replace valves	, boiting & nuts as	required.				
				ressure ♥ Inserv	ice leak	test.	
	Hydrostatic Pne	eumatic Nominal	Operating P		ice leak	test.	
Tests Conducted	Hydrostatic Pne	eumatic Nominal	Operating P	٥F			C of C
Tests Conducted	Hydrostatic Pne	eumatic Nominal psi Te	Operating Post Tempve body will	ee tested to 450 psig	for 10 min	vendor will supply	C of C.

marks	Valves were replaced with 150 Applicable Manufacturer's Data Report) Ib wafer type butterfly valves (Mark #994).
		placed per FRN's #95-03-06 & #95-03-07.
-	The elinanced valves were rej	naced per rains woo oo de disco do dr
chalas da cina arang		
	CERTI	FICATE OF COMPLIANCE
Maga	ertify that the statements made in the report	are correct and this conforms to the rules of the
		are correct and this repair or replacement conforms to the rules of the
ASME Cod	de, Section XI.	
Type Code	Symbol Stamp	N/A
Certificate	of Authorization No. N/A	Expiration Date
	(1)	QCDM Date 8/3 .19 95
Signed	Owner or Owner's Designee, Title	QCDM Date 8/3 .19 95
	Office of Office of October 1880	
	CERTIFICAT	E OF INSERVICE INSPECTION
		by the National Board of Boiler and Pressure Vessel Inspectors and the State
Province of	1 MASS	and employed by Factory Mutual System
the sales at the sales		have inspected the components described in this Owner's Rep
	period 2-3-95	
	coordance with the requirements of the ASM	formed examinations and taken corrective measures described in this Owner
		employer makes any warranty, expressed or implied, concorning the examination
		eport. Furthermore, neither the Inspector nor his employer shall be liable in a
manner to	1 A personal injury or property damage or a	loss of any king arising from or connected with this inspection.
	13 NON	Commissions MA 1420
-	Vinspector's Signature	National Board, State, Province, and Endorsements
		Hallorial Odard, State, Fromitice, and Endorsements
Date	8 4 19 95	
Crate	41010	

As Required by the Provisions of the ASME Code Section XI

	Boston Edison	C0.	Date	07-25-9	14		
	n Street, Bostor	n, MA	Sheet	1of	1		
	Address Pilgirm Nuclear	Power Station	1 Unit	#1			
600 Rocky	Name Hill Road, Plym	outh, MA 0236	00 MR#'s	19401255, 194		19401245, 194	
	Address y Boston Edisor	Company	Type Co	de Symbol Stamp	-	1 P.O. 140. 300 NO.	etc.
	Name			ation No.	N/A	4 - 4 - 1	
Rocky H	Hill Road, Plymo	outh, MA	Expiratio	n Date	N/A		
	Address						
dealifestion of Su	atom		Main S	Steam			
dentification of Sy	stem		Ividii C	Acam		THE RESERVE THE PARTY OF THE PA	
a) Applicable Con	struction Code ANS	SI B31.1	1967	Edition,	_Addenda		Case
	ion of Section XI Uti				0 Addenda	a	
ay rippinousia au		and of Johann v					
identification of Co	omponents Repaired	or Replaced and	Replacement C	Components			
			National			Repaired	ASME
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced or Replacement	(Yes
Control of the Contro	2.500,000,000	The state of the s		100.00		The state of the s	Stampe (Yes or No)
Control of the Contro	2.500,000,000	The state of the s		100.00		The state of the s	(Yes
Component	Manufacturer	Serial No.		100.00		Replacmement	(Yes or No)
Component SS-1-10-06	Manufacturer Anchor	Serial No.		100.00		Replacmement	(Yes or No)
Component SS-1-10-06 Snubber	Manufacturer Anchor Darling	Serial No.		100.00		Replacmement	(Yes or No)
Component SS-1-10-06 Snubber SS-1-10-03	Anchor Darling Anchor	Serial No.		100.00		Replacmement	(Yes or No)
Component SS-1-10-06 Snubber SS-1-10-03 Snubber	Anchor Darling Anchor Darling	Serial No. 475		100.00		Replacement replace replace	(Yes or No) No No
SS-1-10-06 Snubber SS-1-10-03 Snubber SS-1-10-04	Anchor Darling Anchor Darling Bergen	Serial No. 475		100.00		Replacement replace	(Yes or No) No
Component SS-1-10-06 Snubber SS-1-10-03 Snubber SS-1-10-04 Snubber	Anchor Darling Anchor Darling Bergen Paterson	Serial No. 475 474 423		Identification		Replacement replace replace	(Yes or No) No No
Component SS-1-10-06 Snubber SS-1-10-03 Snubber SS-1-10-04 Snubber SS-1-10-06	Anchor Darling Anchor Darling Bergen Paterson Bergen	Serial No. 475 474 423		Identification		Replacement replace replace	(Yes or No) No No
Component SS-1-10-06 Snubber SS-1-10-03 Snubber SS-1-10-04 Snubber SS-1-10-06	Anchor Darling Anchor Darling Bergen Paterson Bergen	Serial No. 475 474 423		Identification		Replacement replace replace	(Yes or No) No No
Component SS-1-10-06 Snubber SS-1-10-03 Snubber SS-1-10-04 Snubber SS-1-10-06	Anchor Darling Anchor Darling Bergen Paterson Bergen	Serial No. 475 474 423		Identification		Replacement replace replace	(Yes or No) No No
Component SS-1-10-06 Snubber SS-1-10-03 Snubber SS-1-10-04 Snubber SS-1-10-06	Anchor Darling Anchor Darling Bergen Paterson Bergen	Serial No. 475 474 423		Identification		Replacement replace replace	(Yes or No) No No
Component SS-1-10-06 Snubber SS-1-10-03 Snubber SS-1-10-04 Snubber SS-1-10-06 Snubber	Anchor Darling Anchor Darling Bergen Paterson Bergen Paterson	Serial No. 475 474 423	No.	Identification		Replacement replace replace	(Yes or No) No No
Component SS-1-10-06 Snubber SS-1-10-03 Snubber SS-1-10-04 Snubber SS-1-10-06 Snubber	Anchor Darling Anchor Darling Bergen Paterson Bergen	Serial No. 475 474 423	No.	Identification		Replacement replace replace	(Yes or No) No No
Component SS-1-10-06 Snubber SS-1-10-03 Snubber SS-1-10-04 Snubber SS-1-10-06 Snubber	Anchor Darling Anchor Darling Bergen Paterson Bergen Paterson	Serial No. 475 474 423 17 replace snubb	ers per MR	Identification		Replacement replace replace	(Yes or No) No No

recorded at the top of this form.

	Applicable Manufacturer's	s Data Reports to be attached
	12 14 1 17 17 17	
		CERTIFICATE OF COMPLIANCE
We ce	ertify that the statements made	in the report are correct and this conforms to the rules of the
		repair of replacement
ASME Code	e, Section XI.	
Time Code	Symbol Stamp	N/A
Certificate of	of Authorization No.	N/A Expiration Date
Signed	(11) dillone	Date 8/3 19 95
oigned	Owner or Owner's Design	nee, Title
		CERTIFICATE OF INSERVICE INSPECTION
I the under	signed holding a valid commis	ssion issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stati
Province of	MASS	and employed by Factory Mutual System
	Norwood, Massachusetts	and employed by Factory Mutual System have inspected the components described in this Owner's Re to 8-/-9 and state that to
during the p	period 7-25-9	4 to 8-/-95 and state that to
best of my	knowledge and belief, the Ov	wher has performed examinations and taken corrective measures described in this Own
		nts of the ASME Code, Section XI.
	A STATE OF THE PARTY OF THE PAR	ector nor his employer makes any warranty, expressed or implied, concerning the examinati
		is Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in
		damage or a loss of any king arising from or connected with this inspection.
	C. Mrs.	Commissions MA 1420
	Inspector's Signature	Commissions MA 1420 National Board, State, Province, and Endorsements
	8.4199	

Owner	Boston Edison (Co.	Date	C4-18	-95		
MOD Boylet	Name on Street, Boston	MA	Chael	1of	4		
OUU DUYISI	Address	IVIA	oneer			Charles and the same of the state of the same of the s	
Plant	Pilgirm Nuclear	Power Station	Unit	#1			
	Name						
600 Rocky	Hill Road, Plym	outh, MA 0236	0	MR No. 1950		O O No Joh No	ala
Mark Darforma	Address by Boston Edison	Company	Type Co	de Symbol Stamp		P O. No. Job No.	etc.
WOLK Lellorlier	Name	Company		ation No.			
Rocky	Hill Road, Plymo	uth, MA		on Date			
	Address						
			Canada	\/			
dentification of	System		Reacto	or Vessel Vent			
a) Applicable C	onstruction Code ANS	1 831 1	19 67	Edition -	Addenda	Code (Case
	dition of Section XI Util						
d) Applicable c	didott of occupit At our	account repairs or	Copiasonia			~	
			learning to				
Identification of	Components Repaired	or Replaced and R	epiacement (Components			
		Г					
			Matterest			Repaired	CODE
1000	No.	Manufacturer	National Board	Other	Year	Replaced or	Stamp
Name of	Name of				1.50001		and course to be.
Name of Component	Manufacturer	Serial No.	No.	Identification	Built	Replacmement	(Yes
	1.000,1100,011	A STATE OF THE PARTY OF THE PAR			7.76.60		(Yes
	1.000,1100,011	A STATE OF THE PARTY OF THE PAR			Built		(Yes or No)
Component	1.000,1100,011	A STATE OF THE PARTY OF THE PAR	No.		7.76.60		(Yes
Component	Manufacturer	A STATE OF THE PARTY OF THE PAR			Built	Replacmement	(Yes or No)
Component	Manufacturer	A STATE OF THE PARTY OF THE PAR	No.		Built	Replacmement	(Yes or No)
Component	Manufacturer	A STATE OF THE PARTY OF THE PAR	No.		Built	Replacmement	(Yes or No)
Component	Manufacturer	A STATE OF THE PARTY OF THE PAR	No.		Built	Replacmement	(Yes or No
Component	Manufacturer	A STATE OF THE PARTY OF THE PAR	No.		Built	Replacmement	(Yes or No
Component	Manufacturer	A STATE OF THE PARTY OF THE PAR	No.		Built	Replacmement	(Yes or No)
Component	Manufacturer	A STATE OF THE PARTY OF THE PAR	No.		Built	Replacmement	(Yes or No
Component	Manufacturer	A STATE OF THE PARTY OF THE PAR	No.		Built	Replacmement	(Yes or No
Component	Manufacturer	A STATE OF THE PARTY OF THE PAR	No.		Built	Replacmement	(Yes or No
Component 4-HO-49 VALVE	Manufacturer Hancock	Serial No.	No.	Identification	Built 68	Replacmement	(Yes or No
Component 4-HO-49 VALVE	Manufacturer Hancock	Serial No.	No.	Identification	Built 68	Replacmement	(Yes or No
Component 4-HO-49 VALVE	Manufacturer	Serial No.	No.	Identification	Built 68	Replacmement	(Yes or No
Component 4-HO-49 VALVE	Hancock Replace Vork If requied, ma	Serial No.	No.	Identification	8uitt 68	repair	(Yes or No
Component 4-HO-49 VALVE	Manufacturer Hancock Replacion of the required of the requir	Serial No.	No.	Identification	8uitt 68	repair	(Yes or No
Component 4-HO-49 VALVE	Hancock Replace Vork If requied, ma	Serial No.	No.	Identification	8uitt 68	repair	(Yes or No

FORM NIS-2 (Back) Completed per MR#19501029 and FRN 95-3-82 9 Remarks Applicable Manufacturer's Data Reports to be attached CERTIFICATE OF COMPLIANCE conforms to the rules of the We certify that the statements made in the report are correct and this Capair or replacemen ASME Code, Section XI. Type Code Symbol Stamp Certificate of Authorization QC DM Date 8/3/95 1995 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 or Province of ___ MASS and employed by Factory Mutual System have inspected the components described in this Owner's Report Norwood, Massachusetts to 8-7-95 and state that to the during the period 4-18-95 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 no. 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 king arising from or connected with this inspection. Commissions MA. 1420 Inspector's Signature National Board, State, Province, and Endorsements 8-41995

As Required by the Provisions of the ASME Code Section XI

	Boston Edison	Co.	Date	09-09-9	4		
	Name n Street, Bostor	n, MA	Sheet	1 of	1		
Plant	^{Address} Pilgirm Nuclear	Power Station	1 Unit	#1			
600 Rocky	Name Hill Road, Plym Address	outh, MA 0236	0 MR#'s	19401236, 194	A STATE OF THE PARTY OF THE PAR	NAME AND ADDRESS OF THE OWNER, TH	
	y Boston Edisor	Company	Type Co	de Symbol Stamp		P.O. No. Job No.	etc.
	Name			ation No.	N/A		
	Address			n Date	, Re	sidual H	eat R
b) Applicable Edit		lized for Repairs or	Replacement	Edition, s 1980 Winter 80			Case
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other identification	Year Built	Repaired Replaced or Replacmement	ASME CODE Stampe (Yes or No)
SS-10-30-05 Snubber	Bergen Paterson	448				replace	No
SS-13-10-06	Bergen Paterson	400				replace	No
Snubber	Bergen Paterson	403			_	replace	No
\$8-2-20-03	1 0000100011					replace	No
SS-2-20-03 Snubber SS-2-20-02	Bergen Paterson	404	-	-	-		
Snubber SS-2-20-03 Snubber SS-2-20-02 Snubber	Bergen	404	-	4			
SS-2-20-03 Snubber SS-2-20-02	Bergen	404		-			
SS-2-20-03 Snubber SS-2-20-02 Snubber	Bergen Paterson		ers per mai	ntenance reque	sts.		
SS-2-20-03 Snubber SS-2-20-02 Snubber Description of Wor	Bergen Paterson	replace snubb		ntenance reque	sts.		

recorded at the top of this form.

	Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
We ce	ertify that the statements made in the report are correct and thisconforms to the rules of the
ASME Code	e Section XI.
Commission of the	[1987] [1982] 그런 나는 사람이 그리고 있다. 그리고 있는 그리고 있다고 있다.
Type Code	Symbol Stamp N/A
Carlifonto	Authorization No. N/A Expiration Date
Certificate o	Of Surface QCD in Date 8/3 1995
Signed	Owner or Owner's Designee, Title
	Owier of Griner a Designee, The
	CERTIFICATE OF INSERVICE INSPECTION
(the under	signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat
	MASS and employed by Factory Mutual System
	Norwood, Massachusetts have inspected the components described in this Owner's Re
during the p	period $9.9.94$ to 8.795 and state that to
best of my	knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Own
	cordance with the requirements of the ASME Code, Section XI
	his certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examination
	ive measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in
manner for	any personal injury or property damage or a loss of any king arising from or connected with this inspection.
	S. MAC. Commissions MA - 142 0 Inspector's Signature National Board, State, Province, and Endorsements
	Inspector's Signature Commissions Province, and Endorsements
	National Board, State, Province, and Endorsements
	maperty a signature

Owner Boston Edison Co.		on Co.	Date	1-20	1-20-95		
	Name						
800 Boylst	on Street, Bos	ton, MA	Sheet	_1 of	1		-
	Address			41.			
Plant		ear Power Stati	on Unit_	#1	-		-
800 Docks	Name	umouth MA 02	260	MP No DOA	04244		
OUU RUCKY	Address	ymouth, MA 02	300	MR No. P94		tion D.O. No. Joh N	
Work Performed	by Boston Edit	son Company	Type	Code Symbol Starr		ition P.O. No. Job N	
Name Rocky Hill Road, Plymouth, MA				rization No.			
				ition Date			
	Address		-				
dentification of	System		Core	Spray			
		831.1 19.6 Utilized for Repairs				Attached INformtion)
dentification of	Components Repa	ired or Replaced an	d Replacemen	t Components			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired Replaced or Replacmement	ASME CODE Stamped (Yes or No)
14-CK-35 'Q'	VELAN					replacement	No
valve internals		Andreas,	Newsork	**TOTAL COMP.	-		
escription of W	ork If required 1	'eplace 'Q' valv	e internals	per dwg M132	A-8-3		
					A-8-3		
	t Hydrostatic P	neumatic Nomin	al Operating P	ressure	A-8-3		
	t Hydrostatic F	Pneumatic Nomin	al Operating P	ressure 🗆	A-8-3		
ests Conducted	Other Pressur	Pneumatic Nomin epsi T sting per MR Ps	al Operating P est Temp 9401344 re	ressure ====================================		is 8% in. x 11 in. (2)	

emarks	Replaced valve internals per MR# P9401344 Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
We de	ertify that the statements made in the report are correct and this repair or replacement)
ASME Cod	e, Section XI
Type Code	Symbol Stamp
Cartificate	of Authorization NoExpiration Date
	R Solder QCDM Date 8/4 .19 95
Signed	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
I, the under	signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta
Province of	MASS and employed by Factory Mutual System
-	MASS and employed by Factory Mutual System Norwood, Mass have inspected the components described in this Owner's Re
during the	period $1-20-95$ to $8-7-95$ and state that to
best of my	knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Own
Report in a	coordance with the requirements of the ASME Codo, Section XI.
By signing	this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinal
and correct	live measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in
manner for	any personal injury or property damage or a loss of any king arising from or connected with this inspection.
	108
	17.17 Ele . Commissions MA-1720
,	Commissions MA-1+20 Inspector's Signature National Board, State, Province, and Endorsements
	Q (1. or

000 0 - 1-1-1	**	Co.	_ Date	07-22-	93				
800 Boyist	Name on Street, Bostor	. MA	Sheet	1 of	1				
000 00100	Address								
Plant	Pilgirm Nuclear	Power Station	1 Unit	#1					
	Name								
600 Rocky	Hill Road, Plym	outh, MA 0236	30	MR No. 19302		2211			
	Address	Company	Tors C	The second secon		P.O. No. Job No.	etc.		
Work Performed by Boston Edison Company Name				Type Code Symbol Stamp N/A Au*horization No. N/A					
Rocky	Hill Road, Plymo	outh MA		on Date					
TOUR	Address								
Identification of	System		Reac	or Recirculation	rluo	des Cle	anu		
							0		
a) Applicable Ci	onstruction Code ANS	SI B31.1	19.67	Edition.	_Addenda	Code (Case		
	dition of Section XI Uti				30 Addend	а			
Identification of	Components Repaired	or Replaced and	Replacement	Components					
		, , ,				T			
							ASME		
		-140-140-1	National			Repaired	CODE		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Suilt	Replaced or Replacement	Stampe (Yes		
Component	Manufacturer	Genal IVO.	110.	(derinication)	Jun		or No)		
	9 0								
	.1					Annual Control of the	Annual Contractor		
Reactor Vessel	Conval	Model		12-HO-65		repair	No		
Reactor Vessel Drain Valve Pipi		Model 12G3-105		12-HO-65	Loan	repair	No		
				12-HO-65	2-68	repair	No		
				12-HO-65		repair	No		
				12-HO-65	1,000	repair	No		
				12-HO-65	2-00	repair	No		
				12-HO-65	1.000	repair	No		
				12-HO-65		repair	No		
				12-HO-65		repair	No		
				12-HO-65		repair	No		
				12-HO-65		repair	No		
				12-HO-65	2-040	repair	No		
				12-HO-65		repair	No		
				12-HO-65		repair	No		

Applicable Manufacturer's Data Rep	orts to be attached
CER	TIFICATE OF COMPLIANCE
We certify that the statements made in the repo	rt are correct and this conforms to the rules of the
ASME Code, Section XI	(repair) or replacement
Type Code Symbol Stamp	N/A
Signed UL Sall-	COM Date 4 1995
Owner or Owner's Designee, Title	ATE OF INSERVICE INSPECTION
	d by the National Board of Boiler and Pressure Vessel Inspectors and the Stat and employed by Factory Mutual System
Norwood, Massachusetts	have inspected the components described in this Owner's Re
during the period 7-22-95	to 8-2-95 and state that to
	erformed examinations and taken corrective measures described in this Own
Report in accordance with the requirements of the A	
	s employer makes any warranty, expressed or implied, concerning the examinat
	Report. Furthermore, neither the Inspector nor his employer shall be liable in a loss of any king arising from or connected with this inspection.
MA . 4	a ross or any ning arising from or connected than the hispectoric
IVMEN .	Commissions MA-1420
Inspector s/Signature	National Board, State, Province, and Endorsements
Date 8-4- 1995	

As Required by the Provisions of the ASME Code Section XI

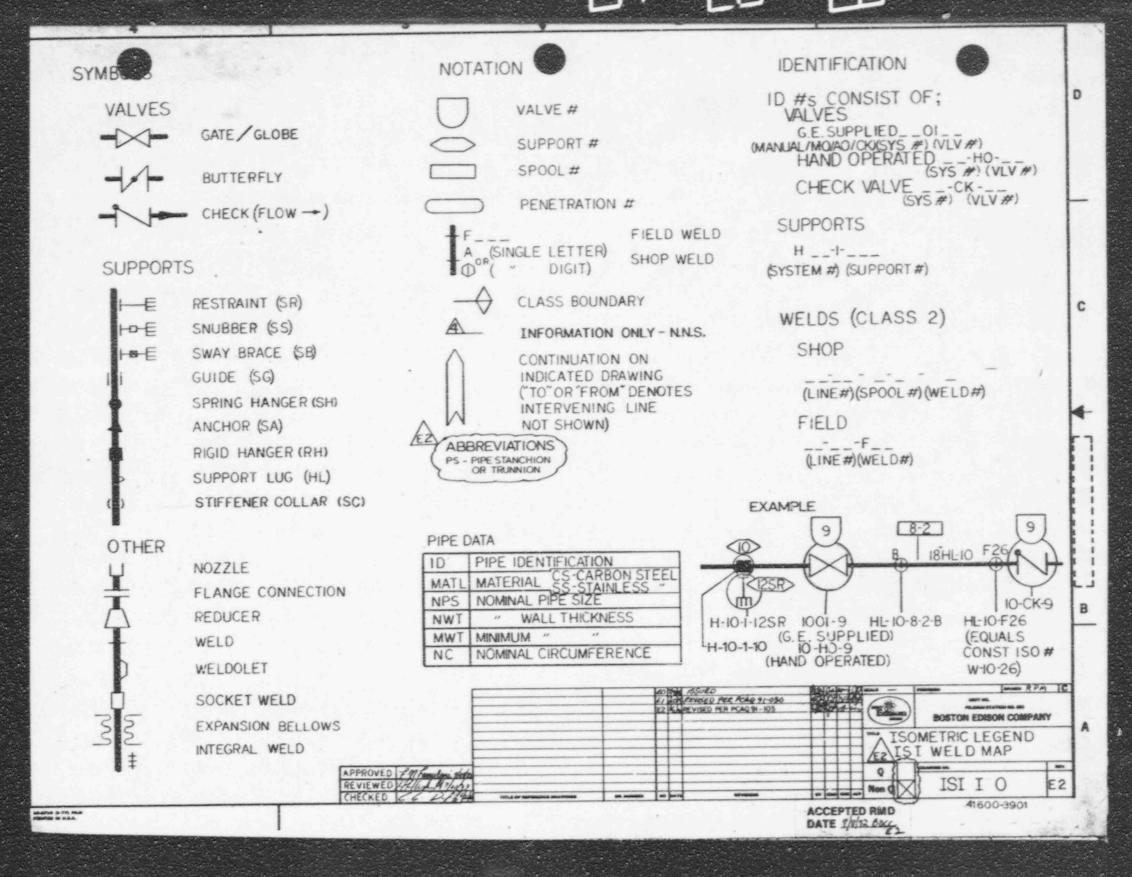
Owner	Boston Edison	Co.	Date	12-15-9	92			
800 Boylsto	Name on Street, Bostor	n, MA	Sheet _	1 of	1	-		
Plant Pilgirm Nuclear Power Station		1 Unit	Unit #1					
600 Rocky	Name Hill Road, Plym	outh, MA 0236	30	MR# 19101278				
Work Performed	Address by Boston Edisor	Company	Type Co	Repair Or de Symbol Stamp _	N/A	P.O. No. Job No.	etc.	
Name Rocky Hill Road, Plymouth, MA				ation No.				
PROCKY !	Address	outh, MA	Expiratio	n Date	NA			
Identification of S	ystem		Core S	pray				
(a) Applicable Co.	nstruction Code ASM	AS III	1986	Edition.	Addenda	Code C	ase	
First Control of the Section of the	ition of Section XI Uti						2430	
Identification of C	Components Repaired	f or Replaced and I	Replacement C	Components				
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired Replaced or Replacmement	ASME CODE Stampe (Yes or No)	
PSV-1401-288 Safety Valve	Anderson Greenwood	Model #81P			92	replacement	Yes	
Description of Wo	ork See Remarks	on Reverse side						
	ork See Remarks							

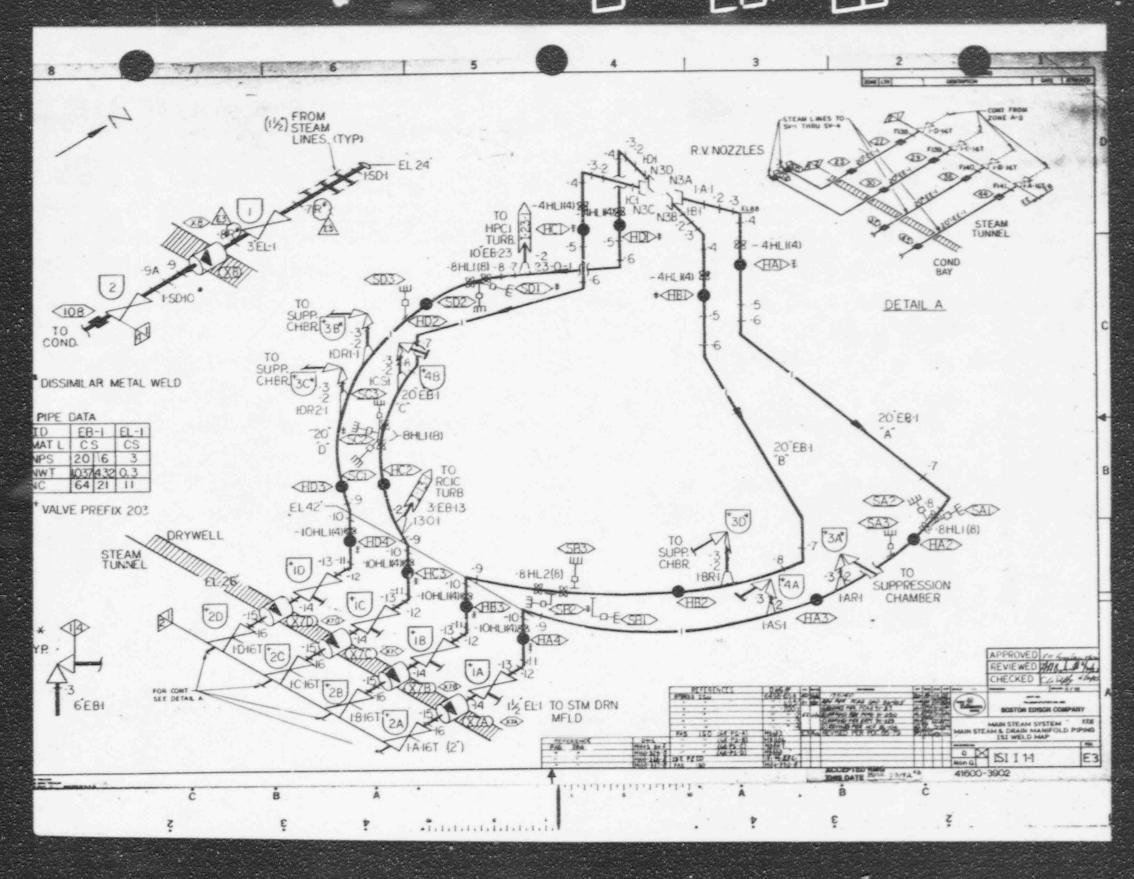
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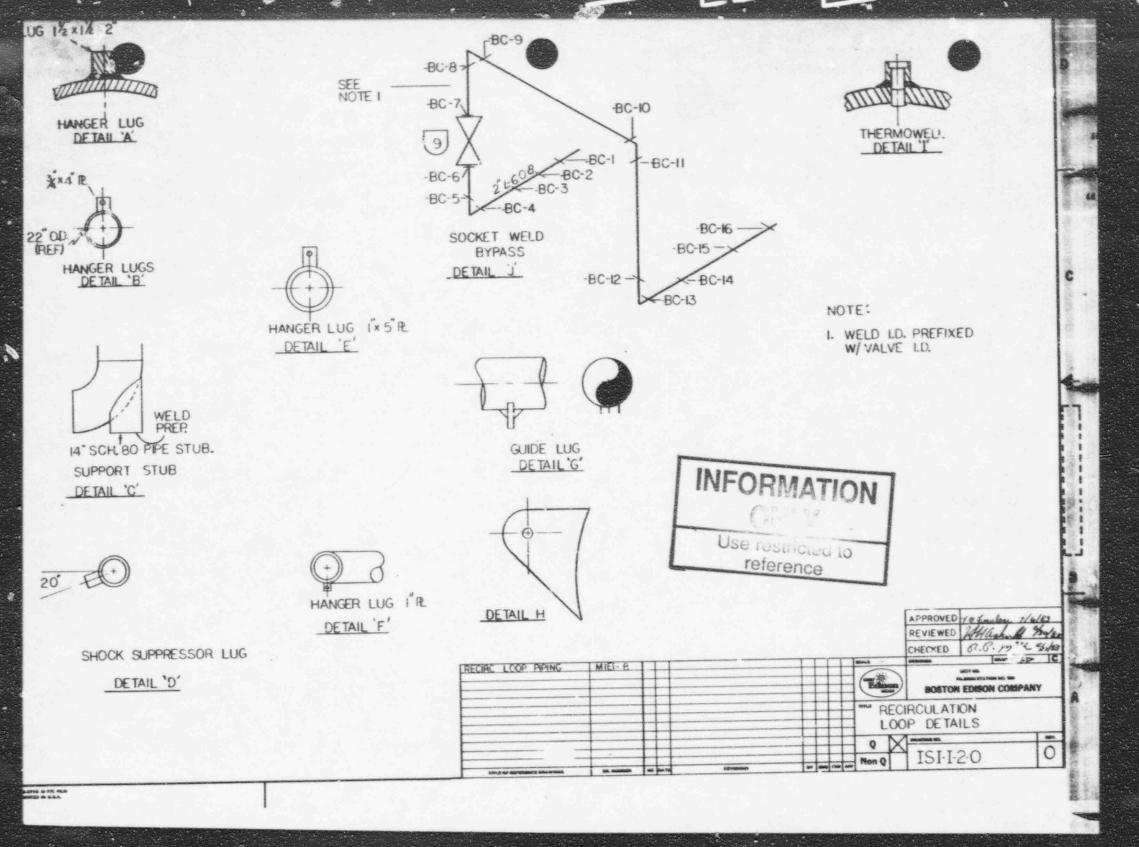
tion in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is

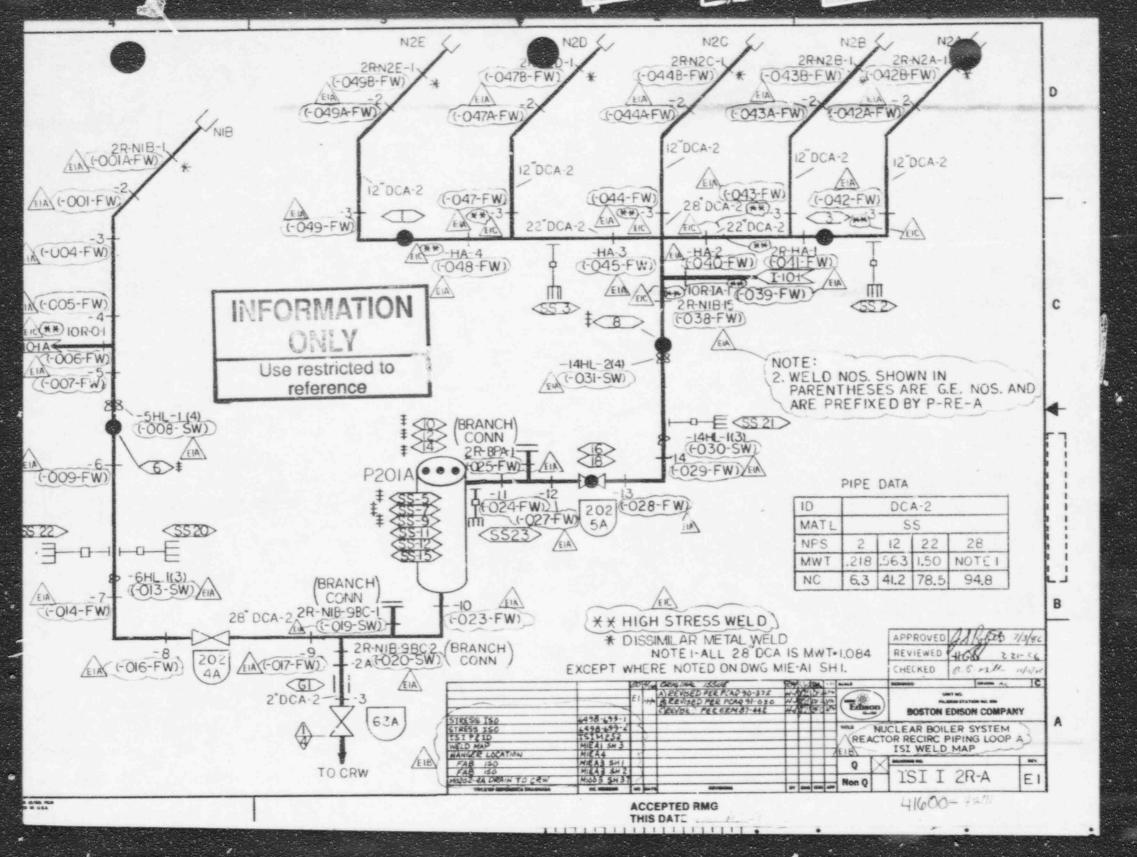
			Also, the upstream
Applicable Manufacture	r's Data Reports to be a	ttached	aco Aleo now
Piping was revised	d to accommodate	for the inlet flange size differen	ice. Also new
bolting was installed	ed. The replaceme	ent relief valve was tested and	pressure
set at the manufac	ctures facility. Reli	ef set pressure 500 psig.	
	CERTIFICATE	OF COMPLIANCE	
ertify that the statements ma	de in the report are corre		rms to the rules of the
e, Section XI.		repair or replacement	
Symbol Stamp		N/A	
of Authorization No.	N/A	Expiration Date	
a Solone	QCDM	Date EX3	19 95
Owner of Owner's Des	ignee, Title		
	CERTIFICATE OF IN	SERVICE INSPECTION	
rsigned, holding a valid com	mission issued by the N	ational Board of Boiler and Pressure Ve	essel Inspectors and the State
		and employed by Factory Mutua	al System 0
	tts	have inspected the components of	lescribed in this Owner's Repo
period (2-15-92		The state of the s	
			sures described in this Owner
ccordance with the requirem	nents of the ASME Code	Section XI	
this certificate neither the in	spector nor his employer	makes any warranty, expressed or impl	ied, concerning the examination
B. Har-	Com	missions MA 142	2
Inspector's Signature		National Board, State, Pro-	vince, and Endorsements
6 6 1			
	Applicable Manufacture Piping was revised bolting was installe set at the manufacture retify that the statements made. Section XI. Symbol Stamp of Authorization No. Owner of Owner's Des reigned, holding a valid come. MASS Norwood, Massachuse period ASS knowledge and belief, the coordance with the requirenthis certificate neither the in this certificate neither the in any personal injury or proper	Applicable Manufacturer's Data Reports to be a Piping was revised to accommodate bolting was installed. The replacement set at the manufactures facility. Reliferative that the statements made in the report are corresponded by the Normal Symbol Stamp. Of Authorization No. Owner of Owner's Designee, Title CERTIFICATE OF INTERPRETATE OF INTERPRETAT	repair or replacement Symbol Stamp N/A Authorization No. N/A Expiration Date Owner of Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION resigned, holding a valid commission issued by the National Board of Boiler and Pressure Versigned, holding a valid commission issued by the National Board of Boiler and Pressure Versigned, holding a valid commission issued by the National Board of Boiler and Pressure Versigned, holding a valid commission issued by the National Board of Boiler and Pressure Versigned, holding a valid commission issued by the National Board of Boiler and Pressure Versigned, holding a valid commission issued by the National Board of Boiler and Pressure Versigned, holding a valid commission issued by the National Board of Boiler and Pressure Versigned, holding a valid commission issued by the National Board of Boiler and Pressure Versigned, holding a valid commission issued by the National Board of Boiler and Pressure Versigned, holding a valid commission issued by the National Board of Boiler and Pressure Versigned, holding a valid commission issued by the National Board of Boiler and Pressure Versigned, holding a valid commission issued by the National Board of Boiler and Pressure Versigned, holding a valid commission issued by the National Board of Boiler and Pressure Versigned, holding a valid commission issued by the National Board of Boiler and Pressure Versigned, holding a valid commission issued by the National Board of Boiler and Pressure Versigned, holding a valid commission issued by the National Board of Boiler and Pressure Versigned, holding a valid commission issued by the National Board of Boiler and Pressure Versigned, holding a valid commission issued by the National Board of Boiler and Pressure Versigned, holding a valid commission issued by the National Board of Boiler and Pressure Versigned, holding a valid commission issued by the National Board of Boiler and Pressure Versigned, holding a valid commission issued by the National Board of Boiler and Pressure Ver

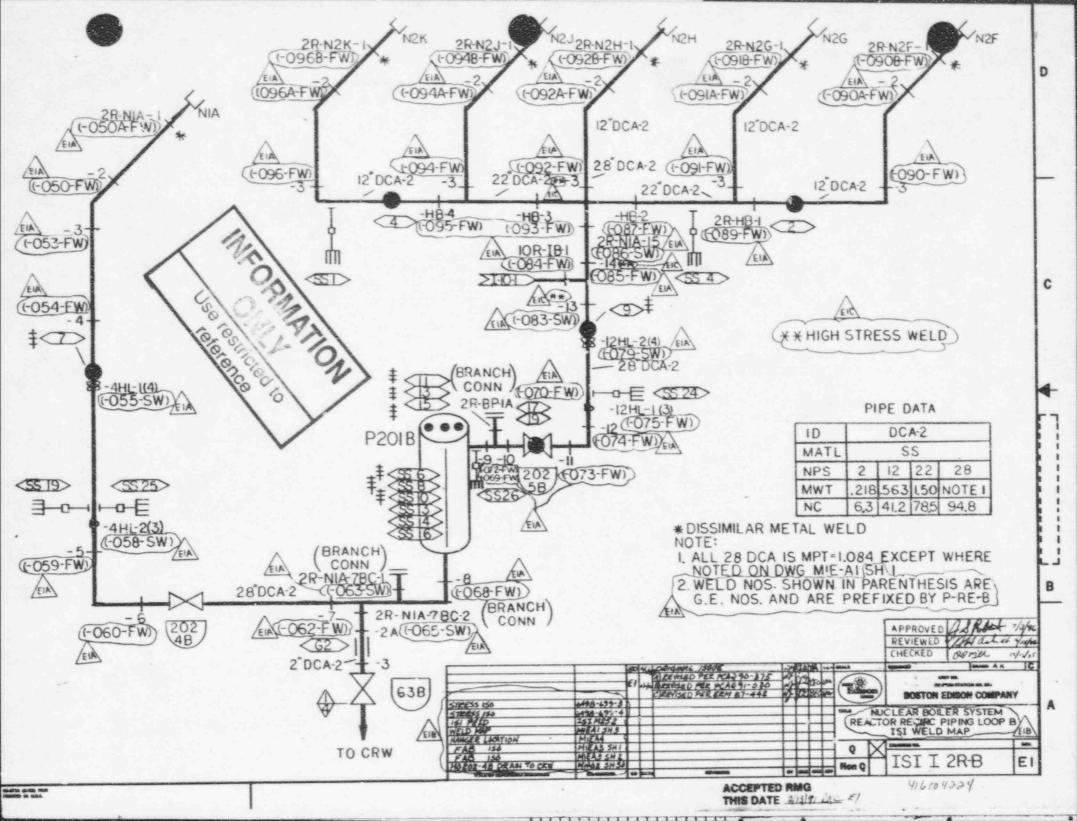
SECTION 3.0

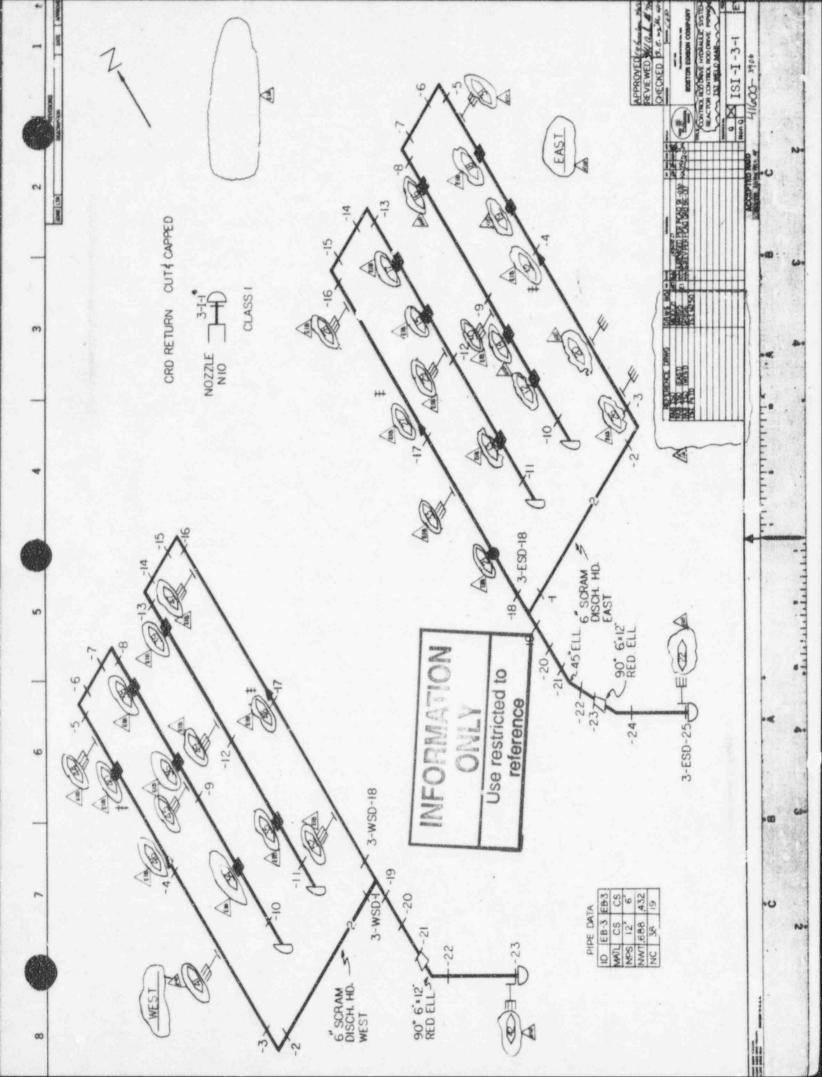


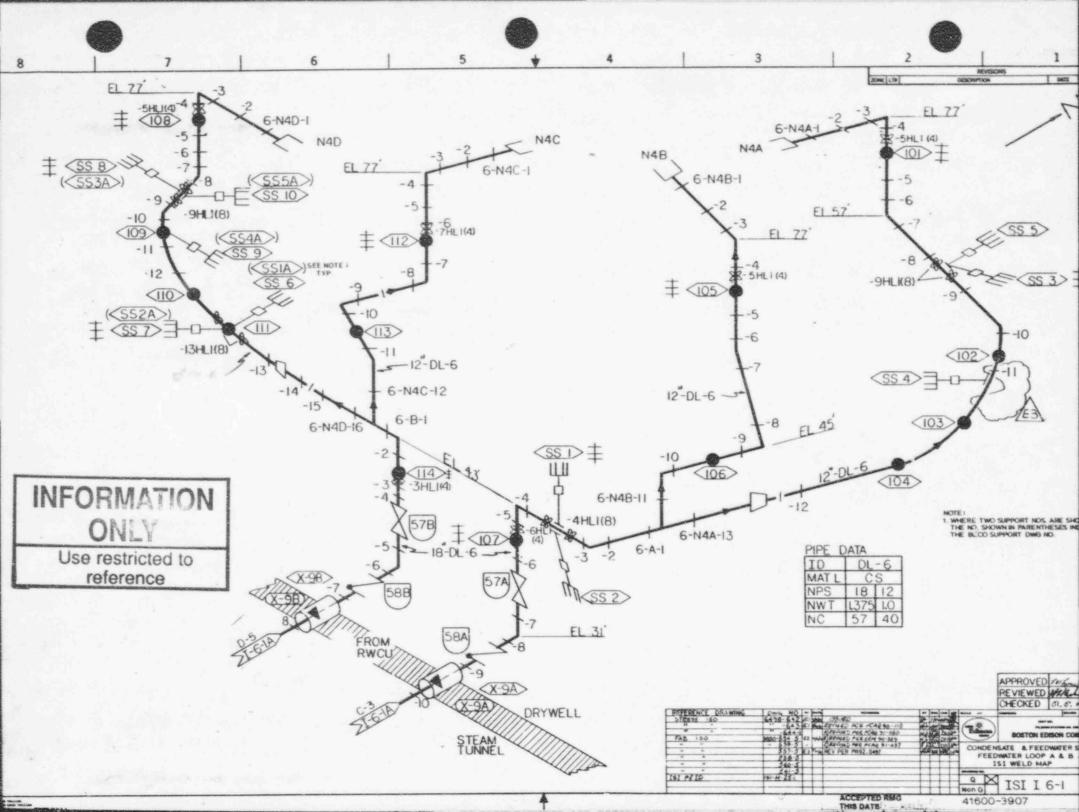


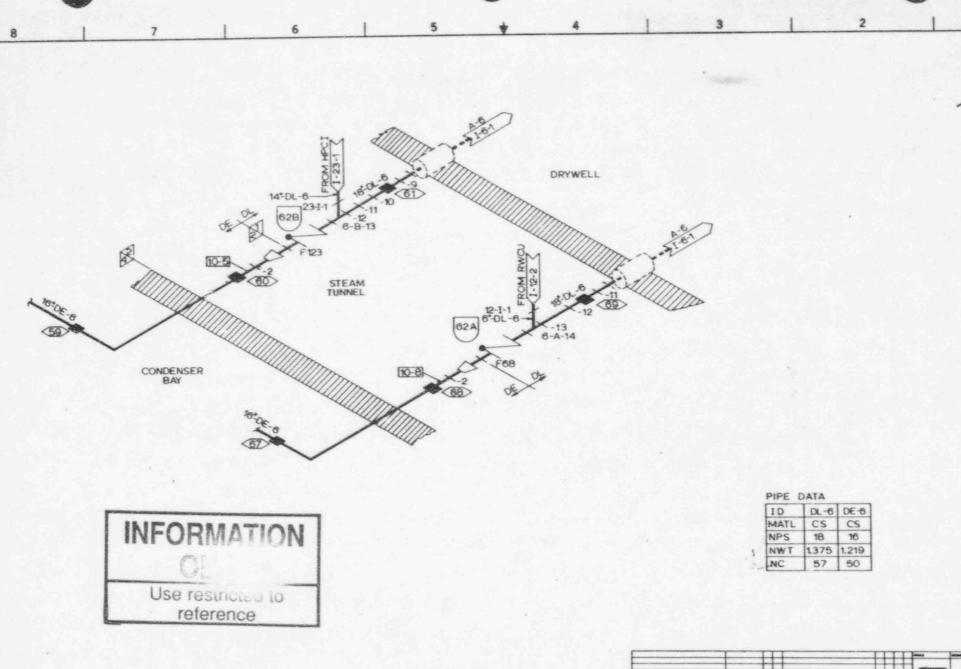












PILGGON STATION BOSTON EDISON COMPANY COMBENSATE & FEEDWATER SYSTEM FEEDWATER LOOPS A & B ISI WELD MAP ISI I 6-1A 41600-4328

