# INSERVICE INSPECTION SUMMARY REPORT

# FOR REFUEL OUTAGE #9

# AT

# PILGRIM NULCEAR POWER STATION

Prepared by Tomperfor Parker Date 7-28-93 6 Kour Date 7/28/93 Reviewed by Man Approved by UNenKataram Date 7/29/93

BOSTON EDISON COMPANY

AUGUST, 1993

# ENCLOSURE A

# PILGRIM NUCLEAR POWER STATION

# 1993 REFUEL OUTAGE #9 INSERVICE INSPECTION SUMMARY REPORT

## TABLE OF CONTENTS

RFO #9 Executive Summary

# SECTION

1.1

1.2

# CONTENTS

List of Acronyms

1.0

2.0

3.0

4.0

5.0

6.0

Tables

Table 1 - RFO #9 Preservice Visual Examinations Table 2 - Post RFO #8 Miscellaneous Visual Exams

NIS-1 and NIS-2 Code Reporting Forms for ASME XI Inspections and Repairs/Replacements

ISI Isometric Drawings

Stone & Webster Engineering Corporation, 1992 Inservice Inspection Final Report to Boston Edison for Midcycle 9 Examinations (attached)

ABB AMDATA 1993 Inservice Inspection Final Report to Boston Edison for Refuel Outage #9 Examinations (attached)

General Electric Nuclear Energy (GENE) Inspection Report to Boston Edison for Refuel Outage #9 Reactor Water Cleanup Piping Replacement Preservice Examinations (attached)

# SECTION 1.0

# RFO #9

# EXECUTIVE SUMMARY

# PILGRIM NUCLEAR POWER STATION 1993 REFUEL OUTAGE #9 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 #8 through RFO #9. 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 'A' loop discharge piping.

Ultrasonic examination of high energy piping for evidence of erosion/corrosion per Generic Letter 89-03.

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

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.

Visual examination of reactor vessel shroud support access hole covers.

Visual examination of Drywell annulus air gap drain lines.

# Examination Detoils:

Examinations were conducted in accordance with ASME Section XI, 1980 Edition, Winter 1980 Addenda and BECo letters to NRC 92.107, 93.038 and 91.048.

The inspection vendors were Stone & Webster Engineering Corporation (SWEC) for Midcycle Outage #9 (MCO 9) in 1992 and ABB AMDATA, Inc. for the 1993 Refuel Outage #9 (RFO 9) examination scope. General Electric Nuclear Energy performed the RWCU piping replacement preservice examinations in RFO #9.

# Regarding BECo Letter 92.107, Inservice Inspection Plan for the 1992 Midcycle 9 Outage at <u>PNPS:</u>

All welds and pipe support exams were completed with the exception of the following welds deferred to subsequent outages for scheduling reasons:

14-B-5	HL-23-F28
14-B-7	HL-23-F69
14-B-8	6-N4A-12
14-B-9	6-N4A-13

Core spray weld 14-B-4 was not examined due to a drawing discrepancy documented in Problem Report 92.0511.

RHR Heat Exchanger Nozzle Weld 10-E207B-N3-3 and HPCI weld HL-23-4-1B were added to the inspection scope.

# <u>Regarding BECo Letter 93.038, Inservice Inspection Plan for the 1993 Refuel Outage #9 at PNPS:</u>

The examination of 72 welds, 105 pipe supports, 58 erosion/corrosion points and 26 Salt Service Water spool pieces were completed with the exception of the following welds deferred for scheduling purposes:

RPV-N14-NV	14-A-4
RPV-N15A-NV	14-A-5
RPV-N15B-NV	
RPV-N16A-NV	
RPV-N16B-NV	

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

The 4" air gap drains were visually examined in 1993 for evidence of leakage, both immediately after flood-up of the refuel cavity and prior to drain-down per the revised inspection commitment. No evidence of leakage was detected.

## Results:

The following is a list of findings:

MCO #9

Combined ASME XI, IGSCC and SSW examinations during the 1992 Midcycle 9 Outage resulted in 11 Nonconformance Reports (NCR) and 10 Problem Reports (PR). Nine nonconforming components required rework which was completed prior to restart of the unit.

RHR Heat Exchanger E-207B nozzle reinforcing plate weld 10-E207B-N4-3 had a magnetic particle linear indication in MCO #9 which was removed without welding.

Pipe support visual examinations in MCO #9 revealed The pipe supports with serviceinduced conditions (NCRs 92-86, 92-87, 92-94, 92-95 and 92-104) for loose bolting and one cracked structural weld. Scope was expanded to include 23 additional supports.

HPCI weld HL-23-4-1B was substituted in MCO #9 for weld HL-23-F69 and weld HL-23-F95 substituted for HL-23-F28 due to interferences preventing >90% exam coverage. The examination of weld HL-23-F95 was performed during RFO #9.

### RFO #9

The RFO #9 exams (ASME XI, IGSCC, Erosion/Corrosion and SSW) performed during 1993 resulted in a total of 14 NCRs and 12 Problem Reports.

RFO #9 pipe support visual examinations resulted in 6 nonconformance reports, two of which required rework to restore to as-designed condition. One nonconformance was documented as a service related condition. Scope expansion necessitated 3 additional pipe support examinations.

Three nonconformances were generated by the erosion/corrosion examinations, one of which required repair of a below minimum wall condition (NCR 93-121). The condition was resolved by application of mechanical clamps to non-safety related extraction steam piping (Temporary Modification 93-46).

Salt Service Water System piping visual and ultrasonic thickness were conducted during both the MCO #9 (B Loop) and RFO #9 (A Loop) Outages. A remote pipe crawler visual exam of buried 'A' loop discharge piping was conducted by ABB AMDATA, Inc. during RFO #9. Three nonconformances were issued for various rubber lining problems, one of which was resolved by repairing torn rubber at a flange face, believed to be related to disassembly.

Preservice examinations of 10 new safety related piping welds were performed by GENE due to replacement of a portion of RWCU system piping with IGSCC-resistant material. Twelve non-safety related welds were also replaced and received UT baseline exams for IGSCC.

Preservice visual examinations of ten new pipe supports for buried replacement titanium SSW intake piping were performed during RFO #9.

Full UT coverage (>90%) could not be achieved for HPCI Weld DB-23-F4 due to scan interferences. As radiography is not a satisfactory alternative method in this case due to configuration, Boston Edison will apply for relief from this exam at a later date.

# 1.1 LIST OF ACRONYMS

DESCRIPTION	SYSTEM NO.
Containment Atmosphere Control	9
Control Rod Drive	3
Core Spray	14
Feedwater	6
High Pressure Coolant Injection	23
Main Steam	1
Reactor Building Closed Cooling Water	30
Reactor Core Isolation Cooling	13
Reactor Recirculation	2
Residual Heat Removal	10
Reactor Pressure Vessel	54
Standby Liquid Control	11
Salt Service Water	29
Magnetic Particle Examination	
Ultrasonic Examination	
Visual Examination	
Extraction Steam	16
Moisture Separator Drains	1
Heater Drains	17
	Containment Atmosphere Control Control Rod Drive Core Spray Feedwater High Pressure Coolant Injection Main Steam Reactor Building Closed Cooling Water Reactor Core Isolation Cooling Reactor Core Isolation Cooling Reactor Recirculation Residual Heat Removal Reactor Pressure Vessel Standby Liquid Control Salt Service Water Magnetic Particle Examination Ultrasonic Examination Visual Examination Extraction Steam

1.2 <u>TABLES</u>

TABLE 1

# PRESERVICE VISUAL EXAMINATIONS

COMPONENT	SYSTEM	TYPE	DATA SHEET
H-23-1-1385	HPCI	VT-3/4	VT-23-93016
H-23-1-1288	HPCI	VT-3/4	VT-23-93013
TURBINE EXHAUST DRAIN	N HPCI	VT-2	VT-23-93015
H-23-1-15SS	HPCI	VT-3/4	VT-23-93017
P-208C (BASEPLATE)	SSW	VT-3	VT-29-92001
H-29-1-24	SSW	VT-3	VT-29-92034
H-29-1-128G	SSW	VT-3	VT-23-92030
H-29-1-22	SSW	VT-3	VT-29-92031
H-29-1-10SG	SSW	VT-3	VT-29-92032
H-29-1-1064	SSW	VT-3	VT-29-92033
H-29-1-45	SSW	VT-3	VT-29-93027
H-29-1-46	SSW	VT-3	VT-29-93030
H-29-1-47	SSW	VT-3	VT-29-93026
4-29-1-48	SSW	VT-3	VT-29-93031
H-29-1-49	SSW	VT-3	VT-29-93028
H-29-1-50	SSW	VT-3	VT-29-93032
H-29-1-51	SSW	VT-3	VT-29-93025
H-29-1-52	SSW	VT-3	VT-29-93033
H-29-1-53	SSW	VT-3	VT-29-93035
H-29-1-54	SSW	VT-3	VT-29-93034
SRV203-3D	MS	VT-3	VT-1-91034
SS-1-10-9	MS	VT-3	VT-1-91037
SRV203-3D (BOLTING)	MS .	VT-1	VT-1-91038
CRD (BOLTING)	CRD	VT-1	VT-3-92002
H-14-1-168	C.S.	VT-3/4	VT-14-93006
H-2-1-8825	RECIRC	VT-3/4	VT-2-93009
H-6-1-SS-10	FW	VT-3/4	VT-6-93008
H-6-1-SS-9	FW	VT-3/4	VT-6-93009
RCIC PIPING	RCIC	VT-2	VT-13-92009
MO1301-61 (VALVE)	RCIC	VT-2	VT-13-92008



TABLE 2

MISCELLANEOUS VISUAL EXAMINATIONS PERFORMED SINCE RFO #8

SYSTEM	COMPONENT	EXAM TYPE	DATE PERFORMED	DATA SHEET
MS	SRV203-3A	VT-3	12-15-92	VT-1-92003
MS	SRV203-3D	VT-3	11-6-91	VT-1-91035
MS	SRV203-3D	VT-1	11-1-91	VT-1-91038
MS	SRV203-3A	VT-3	12-15-92	VT-1-92002
MS	SRV203-3A	VT-2	12-18-92	VT-1-92004
MS	SRV203-3D	VT-2	11-21-91	VT-1-91036
C.R.D.	BOLTING	VT-1	4-1-92	VT-3-92003
C.R.D	38-31 & 38-23	VT-2	4-10-92	VT-3-92004
RCIC	1301-17 VALVE	VT-2	4-17-92	VT-13-92002
RCIC	1301-50	VT-2	11-8-91	VT-13-91005
RPV	CLASS #1 SYSTEM PRESSURE TEST	VT-2	5-14-93	VT-54-93001 THRU VT-54-93018

# ENCLOSURE E

REPORT DISTRIBUTION LIST

Mr. R. Eaton, Project Manager Division of Reactor Projects - 1/11 Office of Nuclear Reactor Regulation Mail Stop: 14D1 U. S. Nuclear Regulatory Commission 1 White Flint North 11555 Rockville Pike Rockville, MD 20852

U. S. Nuclear Regulatory Commission Region I 475 Allendale Road King of Prussia, PA 19406

Senior NRC Resident Inspector Pilgrim Nuclear Power Station

Mr. Fred P. Barton Supervising District Engineering Inspector Division of Inspection Department of Public Safety I Ashburton Place Room 1301 Boston, MA 02108

Authorized Nuclear Inservice Inspector (ANII) Mr. V. Iyer Pilgrim Nuclear Power Station

# SECTION 2.0

# NIS-1 AND NIS-2 CODE REPORTING FORMS FOR ASME XI INSPECTIONS AND REPAIRS/REPLACEMENTS

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

Dilani		and Address of Owner)		
2. Plant PIIGTIM	Nuclear Power	Station, RFD	#1, Rocky Hill	Road, Plymo
	(IN SII)	e and Address of Plant)	MA	
l. Plant Unit#	4. Owne	r Certificate of Authoriz	ation (if required) N	/A
Commercial Service D	ate 12-9-72 6.N	ational Board Number fo	r Unit 20763	
Components Inspecter			· white	
and the second strategy of				
lomponent or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
<u>leactor</u> Vessel	<u>Combustion</u>	Eng. 66107	66207	20763
ping	<u>Bechtel</u>	N/A	N/A	_N/A
a second and a second second				
		Annual Participant and the International Academic		
			The second second second second	
		- PERFECT AND ADDRESS OF ADDRESS ADDRES	and the second s	
and the second second second second				and an and a second second
The Branchise Street Stre			and the second second	

Note: 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 data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

. 60

	그 전쟁에 가지 않는 것이 같이 많이
8. Examination Dates 8-15-91	to 5-12-93 9. Inspection Interval from 12-10-82 6-30-95
10. Abstract of Examinations. Include for current interval. See IS	a list of examinations and a statement concerning status of work required I Summary Report
11. Abstract of Conditions Noted S	ee ISI Summary Report
12. Abstract of Corrective Measures Re	commended and Taken
See ISI Summary	Report and NIS-2 Forms.
sures taken conform to the rules of the	ts made in this report are correct and the examinations and corrective mea- ASME Code, Section XI.
Date <u>1440000 (a) ano</u> 1993 7-29-93	signed Boston Edison By Mankalara Owner By A. Manager
Certificate of Authorization No. (if ap)	olicable) N/A Expiration Date
10 80 8 1 8 1 8 1 1 1 1 1 1 1 1 1 1 1 1	CATE OF INSERVICE INSPECTION
1. the undersigned, holding a valid of Inspectors and/or the State or Province NOTWOOD, MA have inspected to 8=15=91 to $5=12=93has performed examinations and takenwith the requirements of the ASME CoBy signing this certificate neither toconcerning the examinations and coneither the Inspector nor his employedor a loss of any kind arising from or coDate$	commission issued by the National Board of Boiler and Pressure Vessel of <u>MASS</u> and employed by Factory Mutual System the components described in this Owners' Data Report during the period and state that to the best of my knowledge and belief, the Owner n corrective measures described in this Owners' Data Report in accordance ode, Section XI. the Inspector nor his employer makes any warranty, expressed or implicu, rrective measures described in this Owners' Data Report. Furthermore, it shall be liable in any manner for any personal injury or property damage innected with this inspection. $\times ARKWRIGHT INS. Co$

As Required by the Provisions of the ASME Code Section XI

Owner <u>Boston Edison Company</u> Name			Date 4	1/29/93				
800 Bovisto	name on Street, Boston, M	4	Sheet	Sheet 1 of 1				
	Address Plant Pilgrim Nuclear Power Station			Unit#1				
Plant Pilgrim Nu			Unit					
	Name							
Rocky Hill	Road, Plymouth, M.	1	MR	19104291/P.O. #				
Address Work Performed by BECo/Anchor Darling Valve Co			Repair Organization P.O. No. Job No. etc. Type Code Symbol Stamp <u>A/D</u> 'NR'					
Work Performed by	Name	ung valve Co		rization No.		NH'	are and the second	
800 Rovisto	n Street. Boston /	ma 192/99		ion Date		1995		
300 00 91310	Address	The second	CApitat	ion Date	aury ru	1989	er en baser - Andrew er en er	
. (a) Applicable Con	struction Code III		19.86 Ed	lition, Ac	idenda,	Co	de Case	
	on of Section XI Utilize	d for Repairs or R	and a state works to a state work of a state w	A second s				
	mponents Repaired or	Replaced and Re	placement Compone	ents				
	mponents Repaired or	Replaced and Re	placement Compone	ents			ASME	
	mponents Repaired or	Replaced and Re		ents			ASME	
Identification of Co			National			Repaired	CODE Stampe	
Identification of Co Name of	Name of	Manufacturer	National Board	Other	Year	Replaced	CODE Stampe (Yes	
. Identification of Co			National		Year Built		CODE Stampe	
Identification of Co Name of	Name of	Manufacturer	National Board	Other		Replaced	CODE Stampe (Yes	
Identification of Co Name of Component	Name of Manufacturer	Manufacturer Serial No .	National Board No.	Other Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO)	
Identification of Co Name of Component M.O Gate Valve	Name of Manufacturer Velan	Manufacturer Serial No .	National Board No.	Other Identification MO-2301-3	Built 67	Replaced or Replacement Repaired	CODE Stampe (Yes or NO) NO	
Identification of Co Name of Component M.O Gate Valve	Name of Manufacturer Velan	Manufacturer Serial No .	National Board No.	Other Identification MO-2301-3	Built 67	Replaced or Replacement Repaired	CODE Stampe (Yes or NO) NO	
Identification of Co Name of Component M.O Gate Valve	Name of Manufacturer Velan	Manufacturer Serial No .	National Board No.	Other Identification MO-2301-3	Built 67	Replaced or Replacement Repaired	CODE Stampe (Ves or NO) NO	
Identification of Co Name of Component M.O Gate Valve	Name of Manufacturer Velan	Manufacturer Serial No .	National Board No.	Other Identification MO-2301-3	Built 67	Replaced or Replacement Repaired	CODE Stampe (Yes or NO) NO	

7. Description of Work <u>Repair/modification done by A/D under their QA Program (See Remarks)</u>.

Replaced valve wedge, seat rings and reweld in body guides.

8. Tests Conducted: Hydrostatic

Pneumatic	Nominal Operating Pres
a service second and the second	The state of the s

sure Inservice leak test.

Other Pressure

\_\_\_\_\_psi Test Temp. \_\_\_\_\_ OF

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.

(12/82)

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

9. Remarks The modification of the seat rings consisted of fabrication of a 10" OD x 1 1/8" wall

diam'r a charlen a ch	All Adverse	Acres 64	Pa	and the second second	Sec. 1
Appuca	Die Mani	gacturer s.	Data Re	ports to be	attachea

thick pipe (#45283 MRIR #88-3465). Seat buildup was done with stellite 156 powder per Weld Procedure

W-195 R/C, FRN 93-03-15,17 & Drawing 9019-001. A spare set of rings were also modified/fabricated

per above. A/D Valve Co. provided Form 'NR-1" for the repair/modification. Component (Wedge) meets the original

design codes. Sec MR 19104291 for details.

CERTIFICATE OF COM We certify that the statements made in the report are cor	
of the ASME Code, Section XI.	Repair or Replacement
Type Code Symbol Stamp <u>N/A</u>	
Certificate of Authorization <u>N/A</u>	Expiration Date
Signed St. Bube see Rows Div Mgr Owner or Owner's Designed, Title Audut /6	Date JULY 28, 1993
Owner or Owner's Designed, Title Audut /G	A

### 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 Massachusetts and employed by Factory Mutual Systems* of
Norwood, Massachusetts have inspected the components described in this Owner's Report during the
period <u>RFO</u> to and state that to be 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 ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied
concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither

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 or any kind arising from or connected with this inspection.

Inspector's Signature

Commissions MA 1420

National Board, State, Province and Endorsements

Date 7-28 19 73

+Arkwright Ins. Co.

Owner	Boston Edison Company	Date 5-11-93
	800 Boylston Street, Boston, MA	Sheet of
Plant	Address Pilgrim Nuclear Power Station	Unit #1
	Rocky Hill Road, Plymouth, MA	MR #19301881 Repair Organization P.O. No., Job No., etc.
Nork Pe	Boston Edison Company	Type Code Symbol Stamp N/A
	Rocky Hill Road, Plymouth, MA	Authorization No. N/A Expiration Date
dentific	Address cation of SystemHPCI	
a) Ann	olicable Construction Code ASME 1977 Edit	ion 78 Addenda Cod

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No	Other Ident)fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Disc) Valve 2301-74	A/D				82	Replace Disc	Yes
							L

7 Description of Work <u>Installed Replacement Disc (Improved Design) per Articles IWA 5000</u> IWC 5000 Acceptance XI Article IWA 5250

8. Tests Conducted Hydrostatic Pneumatic Nominal Operating Pressure

Other Pressure psi Test Temp. °F

Seat Leakage Test Per PNPS Procedure 8.7.1.5

NOTE: 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.

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

Purchased New (Improved Design Disc) from A/D. The Replacement Disc meets the original design and requirements as documented in BECo Spec.

M-528.

We certify that the stat ASME Code, Section X1	CERTIFICATE OF COMPLIANCE	contorms to the rules of the
Type Code Symbol Stamp	N/A	
Certificate of Authorization 40. Signed - Dwner or Owner's Desi	N/A Expiration Date	19 <u>93</u>
	an a	Apply in the last of the control of the control of the control of the last of
Norwood, Massachus	CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Press etts	ected the components described
or Province of Massachus Norwood, Massach in this Owner's Report during to the best of my knowledge an	d commission issued by the National Board of Boiler and Pressi <u>etts</u> and employed by <u>Factory Mutual Syst</u> <u>usetts</u> have insp the period <u>RFC</u> 9 to to d belief, the Owner has performed examinations and taken co	ected the components described, and state that
or Province of <u>Massachus</u> Norwood, Massach in this Owner's Report during to the best of my knowledge an Owner's Report in accordance w By signing this certificate ne examinations and corrective me shall be Tiable in any manner fo	d commission issued by the National Board of Boiler and Press etts	ected the components described , and state that prective measures described in this pressed or implied, concerning the lef the inspector nor his employer
or Province of <u>Massachus</u> Norwood, Massach in this Owner's Report during to the best of my knowledge an Owner's Report in accordance w By signing this certificate ne examinations and corrective me	d commission issued by the National Board of Boiler and Press etts	ected the components described , and state that prrective measures described in this pressed or implied, concerning the lef the inspector nor his employer

As Required by the Provisions of the ASME Code Section XI

	Edison Company		Date	3/29/93			
800 P	Name Street Boston I	14					
<u>800 Boyts</u>	ton Street, Boston, M	MA	Sne	et of			
Plant Pilgrim N	uclear Power Station	7	Uni	t #1			
	Name						
Rocky Hil	ll Road, Plymouth, M	MA	M	R 19201551			
	Address					No. Job No. etc.	
Work Performed	by <u>Boston Edison Co</u> Name	ompany		e Code Symbol Stam			
Rocky Hil	ll Road, Plymouth, M	MA .		thorization No piration Date			
	Address	17. B.	L.Aj				
Identification of 3	System Reactor Wat	er Cleanup Syster	m				
	Instruction Code ANS		the second s	9 <u>67</u> Edition,	And and a second s	lenda, Co	de Case
(b) Applicable Ed	ition of Section XI Utilia	zed for Repairs or R	leplacements 19_	80 Winter 80 Add	lenda		
Identification of (	Components Repaired (	or Doplaced and Do	nincomant Como	anante			
. Monuneauon or (	Somponents riepanes	or replaced and re	pracement comp	211011ta			
				T			ACME
							ASME
			National			Repaired	CODE
Name of	Name of	Manufacturer	National Board	Other	Year	Repaired Replaced	
Name of Component	Name of Manufacturer	Manufacturer Serial No		Other Identification	Year Built		CODE Stampe
		a second s	Board			Replaced	CODE Stampe (Yes
Component	Manufacturer	Serial No	Board No	Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO)
Component	Manufacturer	Serial No	Board No	Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO)
Component	Manufacturer	Serial No	Board No	Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO)
Component	Manufacturer	Serial No	Board No	Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO)
Component	Manufacturer	Serial No	Board No	Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO)
Component	Manufacturer	Serial No	Board No	Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO)
Component	Manufacturer	Serial No	Board No	Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO)
Component	Manufacturer	Serial No	Board No	Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO)
Component	Manufacturer	Serial No	Board No	Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO)

Other Pressure 1155

12/82)

1155 \_\_\_\_\_psi Test Temp. \_\_60 \_\_\_\_ 0 F

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.

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

9. Remarks All replacement materials were in accordance with BECo Specification M300. All 'Q'

Applicable Manufacturer's Data Reports to be attached

replacement piping was purchased/receipt inspected with associated MRIR #'s. Piping replaced

in accordance with PDC 92-33.

CERTIFICATE OF We certify that the statements made in the report ar	re correct and this Replacement conforms to the rules
of the ASME Code, Section XI.	Repair or Replacement
Type Code Symbol Stamp <u>N/A</u>	
Certificate of Authorization N/A	Expiration Date
Signed SLB ile for RMS Owner or Owner's Designed, Title DIV Mg	Date 7/28 .19 93
Owner or Owner's Designed, Title Div Mg	r Oge

### 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 <u>Massachusetts</u> and employed by <u>Factory Mutual Systems</u> of <u>Norwood</u>, <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period <u>REO</u> to <u>and state that to be best of my knowledge and belief</u>, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Commissions M.9 1420

Inspector's Signature

Arkwright Ins. Co.

National Board, State, Province and Endorsements

Date 7-284993

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

800 Boyl	Name ston Street, Boston,	MA	She	et 1 of			
	Address		one				
Plant Pilgrim !	Nuclear Power Static	m	Un	it #1			
	Name						
Rocky H	ll Road, Plymouth,	MA	M	r 19201890			
	Address					No. Job No. etc.	
Work Performed	by Boston Edison (	Company		e Code Symbol Stam			
	Name			thorization No.			
Kocky Hi	<u>ll Road, Plymouth,</u> Address	MA	Ex	piration Date	N/A		
	onstruction Code AS					lenda, Co	de Case
	onstruction Code <u>AS</u> lition of Section XI Util					lenda, Co	de Case
(b) Applicable E		lized for Repairs or R	leplacements 19_	80 Winter 80 Add		lenda, Co	de Case
(b) Applicable E	dition of Section XI Util	lized for Repairs or R	leplacements 19_	80 Winter 80 Add		lenda, Co	
(b) Applicable E	dition of Section XI Util	lized for Repairs or R	leplacements 19_	80 Winter 80 Add		lenda, Co	ASME
(b) Applicable E	dition of Section XI Util	lized for Repairs or R	leplacements 19_	80 Winter 80 Add			ASM'E CODE
(b) Applicable E	dition of Section XI Util	lized for Repairs or R	leplacements 19_	80 Winter 80 Add		Repaired	ASME
(b) Applicable Ed	lition of Section XI Util Components Repaired	ized for Repairs or R	eplacements 19_	80_ Winter 80 Add	ienda		ASM'E CODE Stamps (Ves
(b) Applicable Ed Identification of	lition of Section XI Util Components Repaired Name of	ized for Repairs or R I or Replaced and Re Manufacturer	Placements 19_	80 Winter 80 Add onents Other	ienda Year	Repaired Replaced	ASN'E CODŁ Stampe
(b) Applicable Ed Identification of iame of iomponent	lition of Section XI Util Components Repaired Name of Manufacturer	ized for Repairs or R I or Replaced and Re Manufacturer Serial No.	eplacements 19_	80 Winter 80 Add onents Other Identification	ienda Year Built	Repaired Replaced or Replacement	ASME CODŁ Stamp (Yes or NO

7. Description of Work Replace MO-1301-61 Valve

8. Tests Conducted: Hydrostatic

Pneumatic Nominal Operating Pressure

Other Pressure 1413 psi Test Temp. AMB

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.

12/82)

1.

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

OF

A hydrostatic test was completed on all new pipe to valve and pipe to pipe joints at 1413 psig (1.25 x design pressure).
 Valve body was hydrotested to 1.5 x cold working pressure. Seat tested to 110% of cold working pressure.

9. Remarks The RCIC Turbine inlet valve, MO-1301-61, was replaced in its entirety. The replacement

Applicable Manufacturer's Data Reports to be attached

valve was fabricated in accordance with BECo Spec. #M102G. A C of C was provided by the vendor

to address codes, material, welding, NDE, hydrotesting and valve functional testing.

We certify that the statements of the ASME Code, Section XI.			conforms to the rules
Type Code Symbol Stamp			
Certificate of Authorization	N/A	Expiration Date	
Signed R Schihore	QC Die Men	Date 7/13	19.93

### 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 <u>Massachusetts</u> and employed by <u>Factory Mutual Systems</u><sup>\*</sup> of <u>Norwood</u>, <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period <u>10-21-9.2</u> to <u>RF0 9</u>, and state that to be 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 ASME Code, Section XI.

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

1. Kyerk	Commissions MA 1420
Inspector's Signature	National Board, State, Province and Endorsements
Date 7-56 19 9 3	

+Arkwright Ins. Co.

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

Owner Boston I	Edison Company Name		Date	2-26-93			
800 Rovis	ton Street, Boston, M	14	Shee	t_l_of_			
500 20313	Address	214		· ···			
Plant Pilgrim N	uclear Power Station	,	Unit	#1			
	Name						
Rocky Hi	ll Road, Plymouth, M	1A	MI	19300653	and the second second		
	Address		1.1			No. Job No. etc.	
Work Performed	by <u>Boston Edison Co</u> Name	ompany		Code Symbol Stamp norization No.			
Rocky Hi	I Road, Plymouth, M	14		iration Date			and the contract of the state
	Address				19.53		
	nstruction Code <u>ASM</u> ition of Section XI Utiliz	and the second se		dition, Ad 0 Winter 80 Add			
(b) Applicable Ed Identification of ( Name of	ition of Section XI Utiliz Components Repaired o Name of	ed for Repairs or R or Replaced and Re Manufacturer	placements 19 <u>8</u> placement Compo National Board	0 Winter 80 Add	lenda	Repaired Replaced	(Yes
(b) Applicable Ed	ition of Section XI Utiliz Components Repaired o	ed for Repairs or R	eplacements 19 <u>8</u> placement Compo National	0 Winter 80 Add	lenda	Repaired	CODE Stamper
(b) Applicable Ed Identification of ( Name of Component	ition of Section XI Utiliz Components Repaired o Name of	ed for Repairs or R or Replaced and Re Manufacturer	placements 19 <u>8</u> placement Compo National Board	0 Winter 80 Add	lenda	Repaired Replaced	CODE Stampe (Yes
(b) Applicable Ed Identification of ( Name of Component	ition of Section XI Utiliz Components Repaired o Name of Manufacturer	ed for Repairs or R or Replaced and Re Manufacturer Serial No	placements 19_8 placement Compo National Board No	0 Winter 80 Add	lenda Year Built	Repaired Replaced or Replacement	CODE Stampe (Yes or NO)
(b) Applicable Ed Identification of ( Name of Component	ition of Section XI Utiliz Components Repaired o Name of Manufacturer	ed for Repairs or R or Replaced and Re Manufacturer Serial No	placements 19_8 placement Compo National Board No	0 Winter 80 Add	lenda Year Built	Repaired Replaced or Replacement	CODE Stampe (Yes or NO)
(b) Applicable Ed Identification of ( Name of Component	ition of Section XI Utiliz Components Repaired o Name of Manufacturer	ed for Repairs or R or Replaced and Re Manufacturer Serial No	placements 19_8 placement Compo National Board No	0 Winter 80 Add	lenda Year Built	Repaired Replaced or Replacement	CODE Stampe (Yes or NO)
(b) Applicable Ed Identification of ( Name of	ition of Section XI Utiliz Components Repaired o Name of Manufacturer	ed for Repairs or R or Replaced and Re Manufacturer Serial No	placements 19_8 placement Compo National Board No	0 Winter 80 Add	lenda Year Built	Repaired Replaced or Replacement	CODE Stampe (Yes or NO)
(b) Applicable Ed Identification of ( Name of Component	ition of Section XI Utiliz Components Repaired o Name of Manufacturer	ed for Repairs or R or Replaced and Re Manufacturer Serial No	placements 19_8 placement Compo National Board No	0 Winter 80 Add	lenda Year Built	Repaired Replaced or Replacement	CODE Stampe (Yes or NO)

7. Description of Work Machined bonnet/chamber ID up to 0.010" Max.

8. Tests Conducted: Hydrostatic

Pneumatic D Nominal Operating Pressure D Inservice leak test. No leakage noted.

Other Pressure psi Test Temp. OF

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 out each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/82)

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

9. Remarks All work was completed in accordance with the manufacturer supplied tolerances. Per FRN 93-03-12.

Applicable Manufacturer's Data Reports to be attached

		territori en el construir e a ser el construir e	
	ERTIFICATE OF COMP		
We certify that the statements ma of the ASME Code, Section XI.	de in the report are correc	t and this Repair or Repla	conforms to the rules
Type Code Symbol Stamp N	N/A		
sppe some opnisor simp			
Certificate of Authorization N/	A	Expiration Date	

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Massachusetts and employed by Factory Mutual Systems\* of Norwood, Massachusetts have inspected the components described in this Owner's Report during the

period 2-26-93 to \_\_\_\_\_ and state that to be 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 ASME Code, Section XI.

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

Inspector's Signature

Commissions MA 1420

National Board, State, Province and Endorsements

Arkwright Ins. Co.

Date 7-271993

As Required by the Provisions of the ASME Code Section XI

800 Boylston Street, Boston, MA       Sheet _ 1 _ of _ 1         Address       Unit _ #1         Name       MR 19101273         Address       Repair Organization P.O. No. Job No. etc.         Work Performed by Boston Edison Company       Type Code Symbol Stamp _ N/A         Name       Authorization No N/A         Rocky Hill Road, Plymouth, MA       Expiration No N/A         Address       Name         Rocky Hill Road, Plymouth, MA       Expiration No N/A         Address       Identification of System RCIC         (a) Applicable Construction Code Section XI Utilized for Repairs or Replacements 19_80       Winter 80 Addenda,         Identification of Components Repaired or Replaced and Replacement Components       Astress         National       Repaired       Astress	Conner Doston L	dison Lompany		Date	2-25-92			
Address         Plant       Pilgrim Nuclear Power Station         Name       Mame         Rocky Hill Road, Plymouth, MA       MR 19101273         Address       Repair Organization P.O. No. Job No. etc.         Work Performed by Boston Edison Company       N/A         Name       N/A         Rocky Hill Road, Plymouth, MA       Authorization No.         Name       N/A         Rocky Hill Road, Plymouth, MA       Authorization No.         Address       N/A         Identification of System       RCIC         (a) Applicable Construction Code Section VIII       19.65       Edition, Addreda,         Identification of System       Repaired or Replaced and Replacements 19.80       Winter 80 Addreda         Identification of Components Repaired or Replaced and Replacement Components       Repaired       Stamp         Name of       Manufacturer       Board       Other       Year       Repaired       Stamp         Name of       Manufacturer       Serial No.       No.       Identification       Built       or NO	800 p 1-	Name						
Plant Pilgrim Nuclear Power Station     Unit#1	EOU Boyist		IA	She	et <u>1</u> of 1			
Name       MR 19101273         Rocky Hill Road, Plymouth, MA       Repair Organization P.O. No. Job No. etc.         Work Performed by Boston Edison Company       Name         Name       N/A         Rocky Hill Road, Plymouth, MA       NA         Address       Name         Rocky Hill Road, Plymouth, MA       NA         Address       Name         Identification of System       RCIC         (a) Applicable Construction Code Section VIII       19.65       Edition, Addenda, Code Case         (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.80       Winter 80 Addenda         Identification of Components Repaired or Replaced and Replacement Components       Repaired       Stamp         Name of       Manufacturer       National       Other       Year       Repaired       Stamp         Name of       Manufacturer       No.       No.       Identification       Built       or Replaced       Or No.	Diant Pilarim N	TO A REPORT OF A REPORT		lini	. #1			
Rocky Hill Road, Plymouth, MA       MR 19101273         Address       Repair Organization P.O. No. Job No. etc.         Work Performed by <u>Boston Edison Company</u> Name         Name       NAme         Rocky Hill Road, Plymouth, MA       Authorization No.         Address       N/A         Identification of System RCIC       N/A         (a) Applicable Construction Code Section VIII       19.65         Edition of System RCIC       Edition,         (a) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.80       Winter 80 Addenda         Identification of Components Repaired or Replaced and Replacement Components       Repaired         Name of       Name of       Manufacturer         Name of       Manufacturer       Serial No.         National       Board       Other       Year         Built       Replaced or Replacement       Or NO         View       Stamp         Name of       Manufacturer       No.         Identification       Built       Replaced         Or Replacement       No.       Identification       Stamp	. Frank I segrine in				A management of the second sec			
Address       Repair Organization P.O. No. Job No. etc.         Work Performed by <u>Boston Edison Company</u> Name       Type Code Symbol Stamp       N/A         Rocky Hill Road, Plymouth, MA Address       Authorization No.       N/A         Identification of System <u>RCIC</u> N/A       Expiration Date       N/A         (a) Applicable Construction Code Section VIII       19 65       Edition,       Addreda,       Code Case         (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80       Winter 80 Addenda       Code Case         Name of       Name of Replaced and Replacement Components       Stamp       Repaired       Stamp         Name of       Manufacturer       Board       Other       Year       Replaced       (Yes)         Name of       Manufacturer       Serial No.       No.       Identification       Built       or Replacement       or NO	Rocky Hill		IA	M	IR 19101273			
Work Performed by Boston Edison Company Name       Type Code Symbol Stamp       N/A         Address       Authorization No.       N/A         Address       Expiration Date       N/A         Identification of System       RCIC       RCIC         (a) Applicable Construction Code       Section VIII       19.65       Edition,       Addreda,         (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.80       Winter 80 Addenda       Code Case         Identification of Components Repaired or Replaced and Replacement Components       Repaired       Stamp         Name of       Manufacturer       National       Other       Year       Repaired       Stamp         Name of       Manufacturer       Serial No.       No.       Identification       Built       or Replacement       or NO					the set of a set of the set of th	zation P.O.	No. Job No. etc.	ter state generalise serve
Rocky Hill Road, Plymouth, MA Address       Expiration Date       N/A         Identification of System       RCIC         (a) Applicable Construction Code       Section VIII       19.65       Edition,Addenda,Code Case         (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_80       Winter 80 Addenda       Code Case         Identification of Components Repaired or Replaced and Replacement Components	Work Performed t	y Boston Edison Co	mpany	Тур				
Address         Identification of System <u>RCIC</u> (a) Applicable Construction Code Section VIII       19.65 Edition,Addenda,Code Case         (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_80 Winter 80 Addenda       Code Case         Identification of Components Repaired or Replaced and Replacement Components       Repaired         Name of Name of Manufacturer       Manufacturer       Board       Other       Year       Replaced       Year         Replaced or Replacement       No.       Identification       Built       or Replacement       Year		Contractor.						
Identification of System <u>RCIC</u> (a) Applicable Construction Code <u>Section VIII</u> <u>19_65</u> Edition, <u>Addenda</u> , <u>Code Case</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19_80</u> Winter 80 Addenda Identification of Components Repaired or Replaced and Replacement Components Name of <u>Name of Manufacturer</u> <u>National</u> <u>Other</u> <u>Year</u> <u>Repaired</u> <u>Replaced</u> <u>(Yes or Replaced no Replacement</u> <u>No.</u> <u>Identification</u> <u>Built</u> <u>or Replacement</u> <u>or No.</u>	Rocky Hill		IA	Ex	piration Date	N/A		
(a) Applicable Construction Code Section VIII       19.65       Edition,Addenda,Code Case         (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_80       Winter 80 Addenda         Identification of Components Repaired or Replaced and Replacement Components       ASME         Name of       Name of       Manufacturer         Name of       Manufacturer       Board       Other       Year       Repaired       Stamp         Yes       or Replacement       or Replacement       No       Identification       Built       or Replacement       or NO		Address						
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_80_Winter 80 Addenda         Identification of Components Repaired or Replaced and Replacement Components         Name of       Name of         Name of       Manufacturer         Serial No.       No.         Identification       Built         Replaced       Of Replacement	Identification of S	ystem RCIC						
Name of Name of Manufacturer Board Other Year Replaced (Yes or No. Identification Built or Replacement or No.	(b) Applicable Edi	tion of Section XI Utiliz	ed for Repairs or Re	eplacements 19_	80 Winter 80 Add		Co	de Case
	Name of			Board			Replaced	
PSV-1301-70 Dresser 1543 92 Replacement YES								
	PSV-1301-70	Dresser	1543	**	1 . <b>*</b>	92	Replacement	YES
						1		
			1.1.1.1.1.1.1					
					1.	1.000	1.1.1.1	
					영화 전 한 영상			
			Land and some first					
			1 C. L. 12.7	5				
			01-70, a one for a	ne replacement	1		The second second star in a large star star second	
Description of Work Replace PSV-1301-70, a one for one replacement.	Description of W	ork Keplace PSV-13						
				minal Operation I	N			
Tests Conducted: Hydrostatic Preumatic Nominal Operating Pressure			neumatic 🔲 No	minal Operating I	Pressure			
Tests Conducted: Hydrostatin D Pneumatic D Nominal Operating Pressure		f: Hydrostatic 🔲 P				٥F		
Tests Conducted: Hydrostatin Pneumatic Nominal Operating Pressure	. Tests Conducter	i: Hydrostatic 🔲 P Other 🛄 P	ressure	p	si Test Temp	and the second se	ing not affected. Th	erefore
Tests Conducted: Hydrostatin D Pneumatic D Nominal Operating Pressure	. Tests Conducted Performed	f: Hydrostatic P Other P an in-service leak test	ressure	p	si Test Temp	and the second se	ing not affected. Th	verefore,
Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure	. Tests Conducted Performed	f: Hydrostatic P Other P an in-service leak test	ressure	p	si Test Temp	and the second se	ing not affected. Th	nerefore,
Tests Conducted: Hydrostatin       Pneumatic       Nominal Operating Pressure       Image: Conducted: Hydrostatin         Other       Pressure       psi       Test Temp.       Image: F         Performed an in-service leak test at threaded connection with no visible leaks. Pressure boundary piping not affected. Therefore pressure test required.       NOTE:       Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in. (2) informa-	Tests Conducted Performed pressure to NOTE: S	t: Hydrostatic P Other P an in-service leak test est required.	ressure at threaded connec form of lists, sketch	p tion with no visib nes, or drawings	si Test Temp le leaks. Pressure bo may be used, provide	d (1) size is	8½ in. x 11 in. (2) i	nforma-
Tests Conducted: Hydrostatin       Pneumatic       Nominal Operating Pressure       Image: Conducted: Hydrostatin         Other       Pressure       psi       Test Temp.       oF         Performed an in-service leak test at threaded connection with no visible leaks. Pressure boundary piping not affected. Therefore pressure test required.       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 sheet of the number of sheet of the number of the numb	Tests Conducted Performed pressure to NOTE: S	t: Hydrostatic P Other P an in-service leak test est required. Supplemental sheets in on in items 1 through 6	essure at threaded connec form of lists, sketch i on this report is in	p tion with no visib nes, or drawings	si Test Temp le leaks. Pressure bo may be used, provide	d (1) size is	8½ in. x 11 in. (2) i	nforma-
Tests Conducted: Hydrostatin       Pneumatic       Nominal Operating Pressure       Image: Conducted: Hydrostatin         Other       Pressure       psi       Test Temp.       Image: F         Performed an in-service leak test at threaded connection with no visible leaks. Pressure boundary piping not affected. Therefore pressure test required.       NOTE:       Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in. (2) informa-	Tests Conducted Performed pressure to NOTE: S	t: Hydrostatic P Other P an in-service leak test est required. Supplemental sheets in on in items 1 through 6	essure at threaded connec form of lists, sketch i on this report is in	p tion with no visib nes, or drawings	si Test Temp le leaks. Pressure bo may be used, provide	d (1) size is	8½ in. x 11 in. (2) i	nforma-
Tests Conducted: Hydrostatin       Pneumatic       Nominal Operating Pressure       Image: Conducted: Hydrostatin         Other       Pressure       psi Test Temp.       oF         Performed an in-service leak test at threaded connection with no visible leaks. Pressure boundary piping not affected. Therefore pressure test required.         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 sh recorded at the top of this form.	Tests Conducted Performed pressure to NOTE: S ti	E Hydrostatic P Other P an in-service leak test est required. Supplemental sheets in on in items 1 through 6 ecorded at the top of th	ressure at threaded connec form of lists, sketch i on this report is in is form.	pi tion with no visib nes, or drawings cluded on each s	si Test Temp. le leaks. Pressure bo may be used, provide heet, and (3) each shi	undary pip d (1) size is eet is numb	8½ in. x 11 in. (2) in pered and the numb	nforma- er of she

9. Remarks PSV-1301-70 replaced with an upgraded valve per FRN 91-08-05. Original valve constructed to ASME

e Section VIII and replaced valve to	ASME Section III, CL. 2.	

of the ASME Code, Section XI.		Repair or Replacement
Type Code Symbol Stamp	N/A	
	N/A	Expiration Date
igned R Schere Owner or Owner's Design	QC Div MGR	Date 4/13 .19 93

### 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 <u>Massachusetts</u> and employed by <u>Factory Mutual Systems</u><sup>\*</sup> of <u>Norwood</u>, <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period <u>2-25-92</u> to <u>RFo 9</u>, and state that to be 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 ASME Code, Section XI.

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

1 Mart	Commissions MD 1420
Inspector's Signature	National Board, State, Province and Endorsements
Date 7-261993	

Arkwright Ins. Co.

As Required by the Provisions of the ASME Code Section XI

	Edison Company	a a second day of presidents	Date	12-14-92			
800 Roy	Neme Iston Street, Boston, M	14	Cheel	t_1of	1		
000 100	Address	A	01100	· · · · · · · · · · · · · · · · ·			
Plant Pilgrim	Nuclear Power Station		Unit	#1			
	Name						
Rocky H	till Road, Plymouth, M	A	MR	19201586			
	Address			Repair Organi	zation P.O.	No. Job No. etc.	
Work Performen	d by <u>Boston Edison Co</u>	mpany		Code Symbol Stamp			
	Name			orization No.			
Rocky H	till Road, Plymouth, M	A	Expi	ration Date	N/A		
	Address						
	Contract should						
Identification of	System Main Steam						-
And Annally states of	A CALL AND A CALL	Sention III Cha					
	Construction Code ASMI dition of Section XI Utilize	and the stand of the	And statistics	dition Ad		Co	de Case
(b) Applicable E	druon of Section Al Utiliza	to for Hepairs of He	eplacements 19_0	v winter av Aut	icuta		
Identification of	Components Repaired o	Panisrad and Dar	Iscoment Compor	nonte			
Net Hunderen er	components riepanea e	nepiaces and nep	nacoment compon	renta			
Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME CODE Stampe (Yes or NO)
	Target Rock	atos		Pilot	88	Replacement	
RV-203-3A				S/N-1049	00	кертасешент	YES
RV-203-3A						Keplacement	YES
RV-203-3A				S/N-1049 Pilot		Keplacement	YES
RV-203-3A				S/N-1049 Pilot		Keplacement	YES
RV-203-3A				S/N-1049 Pilot		Keplacement	YES
RV-203-3A				S/N-1049		Keplacement	YE

7. Description of Work Replaced SRV-203-3A top works (replacement in kind) existing SRV-203-3A top works was leaking.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure 🗹 \*

Other Pressure psi Test Temp. OF

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2 in. x 11 in. (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/82)

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

\*=Inservice leak test performed at flanged connection with no visible leaks.

Remarks The SRV top works (pilot assembly) was rebuilt and tested by Target Rock and Wyle Labs and 9.

Applicable Manufactue tified to meet the Tech Spec requirements.	rer's Data Reports to be attached
CEPTIFICATE OF CO	MBULANCE
CERTIFICATE OF CO We certify that the statements made in the report are co	rrect and thiseenforms to the rules
of the ASME Code, Section XI.	Repair or Replacement
Type Code Symbol StampN/A	
Certificate of Authorization N/A	Expiration Date
signed RSchippe al Div Mon	Date 7/22 ,1993
Owner or Owner's Designed, 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 or Province of Massachusetts and employed by Factory Mutual Systems\* of Norwood, Massachusetts have inspected the components described in this Owner's Report during the

period <u>RF0</u> g to \_\_\_\_\_ and state that to be 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 ASME Code, Section XI.

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

Inspector's Signature

Commissions MA 1420

· Arkwright Ins. Co.

National Board, State, Province and Endorsements

Date 7-271993

As Required by the Provisions of the ASME Code Section XI

Owner Boston E	dison Company		Date	e 07/07/93			
	Name						
800 Boylst	on Street, Boston,	MA	She	et of			
	Address						
Plant Pilgrim Ni	<u>uclear Power Statio</u>	11	Un	it#1			- training of
	Name		1.				
Rocky Hill	Road, Plymouth,	MA	<u>Vi</u>	arious			
	Address	and the second second				No. Job No. etc.	
Work Performed b	y <u>Boston Edison</u> C	ompany		e Code Symbol Stamp			
	Name			thorization No.			
Rocky Hill	Road, Plymouth,	MA	Ex	piration Date	N/A		
	Address						
	DUD						
Identification of S	stem KIIK					example and a second of the second second	
(a) Applicable Cor	struction Code Sec	tion III 191	BO Edition,	Addenda,	-	Code Case	
				80 Winter 80 Adde			
Identification of C	omponents Repaired	or Replaced and Rep	placement Comp	onents			
						1.1.1.1.1.1.1.1	ASM
Second and			and the	<ul> <li>International</li> </ul>			
	and the set		National	04	******	Repaired	Stam
Name of	Name of	Manufacturer	Board	Other	Vear	Replaced	(Yes
Component	Manufacture	Serial No .	No.	Identification	Built	or Replacement	or N
PSV-8004	Anderson			MR 19201288	92	Replacement	YES
	Greenwood						
PSV-8005	Anderson	-		MR 19101287	92	Replacement	YES
	Greenwood		1 D TE 1				
and the second							
PSV-1001-22A	Anderson	4 1 1		MR 19101282	92	Replacement	YES
이번 것이 같아?	Greenwood	the start of		Eller and eller the			
a local second second							
			10.00 L.C.V				
			Maria and All				
	the second se						
				A (one for one renlac	ement).		-
Description of W	ork_Replaced PSV-	8004, PSV-8005 an	d PSV-1001-22/	a tone nor one reput			
		8004, PSV-8005 an					
	: Hydros tatic	Pneumatic 🛄 Nor	minal Operating I	Pressure			
	: Hydros tatic	Pneumatic 🛄 Nor	minal Operating I			٥F	
	: Hydros tatic	Pneumatic 🛄 Nor	minal Operating I	Pressure		°F	
Tests Conducted	Hydrostatic	Pneumatic <b>()</b> Nor Pressure <u>250</u>	minal Operating I	Pressure			
Tests Conducted	Hydrostatic	Pneumatic <b>Nor</b> Pressure <u>250</u> n form of lists, sketch	minal Operating I P nes, or drawings	Pressure  si Test Temp. <u>AMB</u> may be used, provided	(1) size is	8½ in. x 11 in. (2) ii	
Tests Conducted	Hydrostatic	Pneumatic <b>Nor</b> Pressure <u>250</u> n form of lists, sketch	minal Operating I P nes, or drawings	Pressure	(1) size is	8½ in. x 11 in. (2) ii	

9

Notes: 1.

3.

Performed an inservice leak test at flange connections with no leakage.

2. The replacement relief valve was tested and pressure set at the Mfg. setting 200 psig.

The modified inlet suction piping was hydrostatic tested at 250 psig for 10 min.

9.	Remarks .	The new	valve was	s installed t	o enhance	stability,	reliability	and valve	performance
----	-----------	---------	-----------	---------------	-----------	------------	-------------	-----------	-------------

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this conforms to the rules of the ASME Code, Section XI. Type Code Symbol StampN/A	Applicable & assure satisfactory valve testing, QA and documer	Manufacturer's Data Reports to be attached
We certify that the statements made in the report are correct and this conforms to the rules of the ASME Code, Section XI.       Repair or Replacement         Type Code Symbol Stamp N/A	assure successfory surve testing, QN and ascunct	114(11)31.
We certify that the statements made in the report are correct and this conforms to the rules of the ASME Code, Section XI.       Repair or Replacement         Type Code Symbol Stamp N/A		
We certify that the statements made in the report are correct and this conforms to the rules of the ASME Code, Section XI.       Repair or Replacement         Type Code Symbol Stamp N/A		
We certify that the statements made in the report are correct and this conforms to the rules of the ASME Code, Section XI.       Repair or Replacement         Type Code Symbol Stamp       N/A       Expiration Date         Certificate of Authorization       N/A       Expiration Date         Signed		
We certify that the statements made in the report are correct and this conforms to the rules of the ASME Code, Section XI.       Repair or Replacement         Type Code Symbol Stamp N/A		
We certify that the statements made in the report are correct and this conforms to the rules of the ASME Code, Section XI.       Repair or Replacement         Type Code Symbol Stamp       N/A       Expiration Date         Certificate of Authorization       N/A       Expiration Date         Signed       Outpone OL Div More Date		
We certify that the statements made in the report are correct and this conforms to the rules of the ASME Code, Section XI.       Repair or Replacement         Type Code Symbol Stamp       N/A       Expiration Date         Certificate of Authorization       N/A       Expiration Date         Signed       Outpone OL Div Mck Date		
of the ASME Code, Section XI.     Repair or Replacement       Type Code Symbol Stamp     N/A       Certificate of Authorization     N/A       Signed     N/A         Signed     N/A         Div     M6K         Date     7/2         19     93		
Type Code Symbol Stamp     N/A       Certificate of Authorization     N/A       Signed     N/A       Expiration Date       Signed     N/A		
Certificate of Authorization N/A Expiration Date		
signed R Schippine QC Di Mor Date 7/2 , 19 93	Type Code Symbol Stamp N/A	
signed R Schippine QC Di Mor Date 7/2 , 19 93	Certificate of Authorization N/A	Expiration Date
Signed <u>Marken (Marken Div 176k</u> Date <u>7722</u> , 19 <u>95</u> Owner or Owner's Designed, Title		
Owner or Owner's Designed, Title	Signed VC Daylore (VC Di	v 176 Date 7722, 19 95
	Owner or Owner'# Designed, 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 or Province of Massachusetts and employed by Factory Mutual Systems\* of Norwood, Massachusetts have inspected the components described in this Owner's Report during the

period <u>RFO</u> 7 to \_\_\_\_\_ and state that to be 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 ASME Code, Section XI.

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

Inspector's Signature

Commissions MA 1420

·Arkwright Ins. Co.

National Board, State, Province and Endorsements

Date 7-27 1993

As Required by the Provisions of the ASME Code Section XI

	B.F. commission			07/08/93			
800 Boyl	Name ston Street, Boston, M	IA	She	et_1_of_1			
	Address						
Plant Pilgrim N	uclear Power Station	1	Un	1#1			
	Name						
Rocky Hi	ll Road, Plymouth, M	1A	<u>V</u>	arious			
생고 말한.	Address			Repair Organiz	ation P.O.	No. Job No. etc.	
Work Performed	by Boston Edison Co	ompany	Тур	e Code Symbol Stamp			
	Name		Au	thorization No.	N/A		
Rocky Hi	ll Road, Plymouth, M	1A		piration Date			
	Address						
Identification of	System Core Spray						
	enstruction Code <u>B31</u> .	the state of the state of the second s	the second secon	The second	denda,	Co	de Casi
(b) Applicable Ec	lition of Section XI Utiliz	ed for Repairs or F	eplacements 19_	80 Winter 80 Adde	enda		
	Components Repaired o	or Replaced and Re	placement Comp	onents			
Identification of							
Identification of					the state of the s		the second s
Identification of		1	1	a statistica a			
Identification of							
Identification of							CODE
			National			Repaired	CODI Stamj
Name of	Name of	Manufacturer	Board	Other	Year	Replaced	CODI Stamj (Yes
Identification of Name of Component	Name of Manufacturer	Manufacturer Serial No		Other Identification	Year Built		ASME CODE Stamp (Yes or NC
Name of Component			Board	and the second sec		Replaced	CODE Stamy (Yes
Name of	Manufacturer	Serial No	Board No	Identification	Built	Replaced or Replacement	CODE Stamp (Yes or NO
Same of Component SS-14-3-92	Manufacturer BP/AD	Serial No S/N 462	Board No.	Identification MR19202240	Built 91/92	Replaced or Replacement Replacement	CODE Stamy (Yes or NO NO
Same of Component SS-14-3-92	Manufacturer BP/AD	Serial No S/N 462	Board No.	Identification MR19202240	Built 91/92	Replaced or Replacement Replacement	CODI Stamj (Yes or NO NO
Same of Component SS-14-3-92	Manufacturer BP/AD	Serial No S/N 462	Board No.	Identification MR19202240	Built 91/92	Replaced or Replacement Replacement	CODI Stamj (Yes or NO NO
Same of Component SS-14-3-92	Manufacturer BP/AD	Serial No S/N 462	Board No.	Identification MR19202240	Built 91/92	Replaced or Replacement Replacement	CODE Stamy (Yes or NO NO
Same of Component SS-14-3-92	Manufacturer BP/AD	Serial No S/N 462	Board No.	Identification MR19202240	Built 91/92	Replaced or Replacement Replacement	CODE Stamy (Yes or NO NO

recorded at the top of this form.

(12/82)

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

9.	Remarks	Snubbers	were rebuilt	I.A.W. BE	Co Procedures.	P.Q.E.	certified	applicable re	eplacement

Applicable Manufacturer's	Data Reports to be attached
the second se	and an and and and the set

parts for snubbers. Additional snubbers were tested in accordance with BECo Procedure.

CER We certify that the statements made i of the ASME Code, Section XI.	TIFICATE OF COM n the report are corre	a service as a service as	
Type Code Symbol StampN/A			
ertificate of Authorization N/A		Expiration Date	
igned Schutze QC Owner or Owner's Designed, Tit	Div Mar	_ Date 7/13	. 19 _ 73

Report in accordance with the requirements of ASME Code, Section XI.

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

Commissions MA 1430 Inspector's Signature National Board, State, Province and Endorsements Date \_\_\_\_ 7-2-19 93

+Arkwright Ins. Co.

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

Owner Boston	Edison Company		Date	11/3/92		er i for den brieder verste det for overste in	
800 Boy	Iston Street, Boston,	MA	She	et 1 of	1		
	Address						
Plant Pilgrini	Nuclear Power Statio	n	Uni	t #1			
	Name						
Rocky H	lill Road, Plymouth,	MA	M	R 19201749			
	Aodress					No. Job No. etc.	
Work Performe	d by Boston Edison C	ompany		e Code Symbol Stam			
Dealer I	Name			thorization No.			
KOCKY D	Iiil Road, Plymouth, Address	MA	Ex;	piration Date	N/A		
	System Reactor Wa						
	Construction Code ASN	the second s		Edition, Ad		Co	de Case
(b) Appacable I	dition of Section XI Util	ized for Repairs or H	opiacoments in	00 TIMES OU SUL	iciua		
	dition of Section Xi Util Components Repaired				iciida		
					Year Built	Repaired Replaced or Replacement	ASME CODE Stamper (Ves or NO)
Identification of Name of Component	Components Repaired	or Replaced and Re Manufacturer	placement Compo National Board	Other	Vear	Replaced	CODE Stamper (Ves
Identification o	Components Repaired	or Replaced and Re Manufacturer	placement Compo National Board	Other	Vear	Replaced	CODE Stamper (Ves
Identification of Name of Component	Components Repaired	or Replaced and Re Manufacturer	placement Compo National Board	Other	Vear	Replaced	CODE Stamper (Ves
Identification of Name of Component R/W CU	f Components Repaired Name of Manufacturer	or Replaced and Re Manufacturer Serial No.	placement Comp National Board No	Other Identification	Year Built	Replaced or Replacement	CODE Stamper (Ves or NO)
Identification of Name of Component R/W CU	f Components Repaired Name of Manufacturer	or Replaced and Re Manufacturer Serial No.	placement Comp National Board No	Other Identification	Year Built	Replaced or Replacement	CODE Stamper (Ves or NO)
Identification of Name of Component R/W CU	f Components Repaired Name of Manufacturer	or Replaced and Re Manufacturer Serial No.	placement Comp National Board No	Other Identification	Year Built	Replaced or Replacement	CODE Stamper (Ves or NO)
Identification of Name of Component R/W CU	f Components Repaired Name of Manufacturer	or Replaced and Re Manufacturer Serial No.	placement Comp National Board No	Other Identification	Year Built	Replaced or Replacement	CODE Stamper (Ves or NO)
Identification of Name of Component R/W CU	f Components Repaired Name of Manufacturer	or Replaced and Re Manufacturer Serial No.	placement Comp National Board No	Other Identification	Year Built	Replaced or Replacement	CODE Stamper (Ves or NO)
Identification of Name of Component R/W CU	f Components Repaired Name of Manufacturer	or Replaced and Re Manufacturer Serial No.	placement Comp National Board No	Other Identification	Year Built	Replaced or Replacement	CODE Stamper (Ves or NO)
Identification of Name of Component R/W CU	f Components Repaired Name of Manufacturer	or Replaced and Re Manufacturer Serial No.	placement Comp National Board No	Other Identification	Year Built	Replaced or Replacement	CODE Stamper (Ves or NO)
Identification of Name of Component R/W CU	f Components Repaired Name of Manufacturer	or Replaced and Re Manufacturer Serial No.	placement Comp National Board No	Other Identification	Year Built	Replaced or Replacement	CODE Stamper (Ves or NO)

7. Description of Work Weld Repair of Diaphram

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure

Other	2	Pressure	psi	Test Temp.		01	p;
					the second se		

Inservice Leak Test Per ERM 89-1171, Rev. 1

NUTE: Supplemental sheets in form of lists, sketches, or drawings muy 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.

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

9. Remarks <u>Mass General Law</u>, <u>Chapter #146, Sec. 7 and 522 Code of Mass Regulation for Boiler Rules</u> para 4.01 (1) (B) Applicable Manufacturer's Data Reports to be attached requires that verified pressure vessel execution and 2500 F. he as stamped vessel. The Roard Inconception Code

requires that verified pressure vessel exceeding 30 psig and 2500 F, be a stamped vessel. The Board Inspection Code

ANSI/NB-23 also addresses that the repair of this type can be in accordance with an ASME Section XI repair plan.

Therefore, an ASME Section XI repair plan will govern this work.

	ERTIFICATE OF COMPLIANCE le in the report are correct and this conforms to the rules
of the ASME Code, Section XI.	Repair or Replacement
Type Code Symbol Stamp N	/A
Certificate of Authorization // N/A	
Signed UC Ocliffer	- CPC Div Mice Date 7/13 , 19 93
Owner or Owner's Designed, 7	Fitle
I, the undersigned, holding a valid c	IFICATE OF INSERVICE INSPECTION ommission issued by the National Board of Boiler and Pressure Vessel
I, the undersigned, holding a valid of Inspectors and the State or Province <u>Norwood, Massachusetts</u> Owner's Report during the period and belief, the Owner has performed Report in accordance with the requi 's signing this certificate neither "signing the examinations and co by inspector nor his employer shall	ommission issued by the National Board of Boiler and Pressure Vessel e of <u>Massachusetts</u> and employed by <u>Factory Mutual Systems</u> <sup>*</sup> of have inspected the components described in this <u>1/- 3 - 9.2</u> to <u></u> , and state that to be best of my knowledge I examinations and taken corrective measures described in this Owner's rements of ASME Code, Section X1. the Inspector nor his employer makes any warranty, expressed or implied, rrective measures described in this Owner's Report. Furthermore, neither be liable in any manner for any personal injury or property damage or a
I, the undersigned, holding a valid of Inspectors and the State or Province Norwood, Massachusetts Owner's Report during the period and belief, the Owner has performed Report in accordance with the require 's signing this certificate neither 's signing this certificate neither 's inspector nor his employer shall loss or any kind arising from or con	ommission issued by the National Board of Boiler and Pressure Vessel e of <u>Massachusetts</u> and employed by <u>Factory Mutual Systems</u> * of have inspected the components described in this <u>M-3-9.2</u> to, and state that to be best of my knowledge I examinations and taken corrective measures described in this Owner's rements of ASME Code, Section XI. the Inspector nor his employer makes any warranty, expressed or implied, rrective measures described in this Owner's Report. Furthermore, neither be liable in any manner for any personal injury or property damage or a nected with this inspection.
I, the undersigned, holding a valid of Inspectors and the State or Province Norwood, Massachusetts Owner's Report during the period and belief, the Owner has performed Report in accordance with the require 's signing this certificate neither wing the examinations and com-	ommission issued by the National Board of Boiler and Pressure Vessel e of <u>Massachusetts</u> and employed by <u>Factory Mutual Systems</u> <sup>*</sup> of have inspected the components described in this <u>1/- 3 - 9.2</u> to, and state that to be best of my knowledge I examinations and taken corrective measures described in this Owner's rements of ASME Code, Section XI. the Inspector nor his employer makes any warranty, expressed or implied, rrective measures described in this Owner's Report. Furthermore, neither the liable in any manner for any personal injury or property damage or a nected with this inspection.

As Required by the Provisions of the ASME Code Section XI

Owner Boston I	Sdison Company Name		D	ate 7/12/93		and the second	
800 Boyls	ton Street, Boston,	MA	S	heet of			
	Address						
Plant Pilgrim N	uclear Power Stati	on		init#1			
Packy Hil	Name I Road, Plymouth,	MA		Various			
NOCKY III	Address	<u></u>			ation P.O.	No. Job No. etc.	
Work Performed I	by Boston Edison (	Company	1	ype Code Symbol Stamp		10.000 110.010.	
	Name			Authorization No.			
Rocky Hil	I Road, Plymouth,	MA	-	Expiration Date	N/A		
	Address						
Identification of 5	lystem Main Stean	a					
(a) Applicable Co	nstruction Code B3	11	19 67	Edition, Adv	shoot		de Case
		the second s	water and a second	9 80 Winter 80 Add			we case
				and the second s			
Identification of (	Components Repaired	t or Replaced and Rep	lacement Con	nponents			
		fer men het feiseter					
							A STRAT
		이 이 동안 가지 않는					ASME
		김희 사람은 가격을	National			Repaired	Stamp
Name of	Name of	Manufacturer	Board	Other	Year	Replaced	(Yes
Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or NO
*SS-1-10-12	BP/AD	0203		MR19104819	91/92	Repaired	NO
**SS-1-10-11	BP/AD	ADH-1001-1653		MR19202235	91/92	Replacement	NO
		집안 가지 않는		He have been	÷		
		I bearing on pipe clam					
Description of W	lork_** = Remove a	nd replace snubber.	Test per #.	3.M.4-28.			
			8 - S. A.	- D			
Tests Conduct:	2. Hydrostatic	Pneumatic Nom	unal Operatin	g Prossure			
	Other M	Droceuro		psi Test Temp.			
Snubber T	est Procedure 3.M.4-	28	one any determinant of	psi rest remp.	0F		
GITTER FOR	earriereaure gamen.						
NOTE: 5	Supplemental sheets	in form of lists, sketch	ec, or drawing	s may be used, provided	(1) size is	8% in. x 11 in. (2) i	nforma-
				sheet, and (3) each she			
	ecorded at the top of						

### 9. Remarks \*= Spherical bearing placed LA.W. BECo Procedure.

	ible Manufacturer's Data Reports to be attached ares. P.Q.E. certified applicable replacement parts for snubbers.
EDTIFICA	TE OF COMPLEXICE
We certify that the statements made in the re of the ASME Code, Section XI.	TE OF COMPLIANCE port are correct and this conforms to the rules Repair or Replacement
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization <u>N/A</u>	Expiration Date Div Mor Date, 19_53
Signed Of Owner's Designed, Title	, 19

### 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 <u>Massachusetts</u> and employed by <u>Factory Mutual Systems</u><sup>\*</sup> of
<u>Norwood</u>, <u>Massachusetts</u> have inspected the components described in this
Owner's Report during the period <u>*KFO*</u> <u>g</u> to <u>\_\_\_\_</u>, and state that to be 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 ASME Code, St. *St.* <u>A</u>XI.

By signing this certificate neither the Inspector nor his employed 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 or any kind arising from or connected with this inspection.

Vibyern	Commissions MA 1423
Inspector's Signature	National Board, State, Province and Endorsements
Date 7-261993	

Arkwright Ins. Co.

As Required by the Provisions of the ASME Code Section XI

Owner <u>Boston Edison Company</u> Name			Date	Date 1-6-93				
800 Boy	Iston Street, Boston, M	MA.	She	et 1 of	1			
	Address							
Plant Pilgrim	Nuclear Power Station	1	Uni	t#1				
De de T	Name							
ROCKY F	<u>liil Road, Plymouth, N</u> Address	1A	<u>M</u>	R 19103843				
Work Performe	d by Boston Edison Co	1800 7340 8835	Turs	e Code Symbol Stam		No. Job No. etc.		
HOTE I STOTING	Name	mapany		horization No.				
Rocky H	ill Road, Plymouth, M	1A		piration Date				
and the second second second second second	Address							
	System <u>Main Steam</u> Construction Code <u>ASN</u>	IE Sect III, Class	1 1968	Edition, Ad	idenda.	Co	de Case	
(b) Applicable I	dition of Section XI Utilia		leplacements 19					
(b) Applicable I			leplacements 19_					
		zed for Repairs or R		80 Winter 80 Add				
	dition of Section XI Utilia	zed for Repairs or R		80 Winter 80 Add				
identification o	dition of Section XI Utilia	zed for Repairs or R		80 Winter 80 Add		Repaired Replaced or Replacement	Stamps (Yes	
	dition of Section XI Utili Components Repaired Name of	ed for Repairs or R or Replaced and Re Manufacturer	placement Compo National Board	80 Winter 80 Add	lenda	Repaired Replaced	CODE Stampe	
Identification o Name of Component	dition of Section XI Utilia Components Repaired Name of Manufacturer	or Replaced and Re Manufacturer Serial No	placement Compo National Board	80 Winter 80 Add	lenda Year Built	Repaired Replaced or Replacement	CODE Stamps (Yes or NO	
Identification o Name of Component	dition of Section XI Utilia Components Repaired Name of Manufacturer	or Replaced and Re Manufacturer Serial No	placement Compo National Board	80 Winter 80 Add	lenda Year Built	Repaired Replaced or Replacement	CODE Stamps (Yes or NO	
Identification o Name of Component	dition of Section XI Utilia Components Repaired Name of Manufacturer	or Replaced and Re Manufacturer Serial No	placement Compo National Board	80 Winter 80 Add	lenda Year Built	Repaired Replaced or Replacement	CODE Stamps (Yes or NO	
Identification o Name of Component	dition of Section XI Utilia Components Repaired Name of Manufacturer	or Replaced and Re Manufacturer Serial No	placement Compo National Board	80 Winter 80 Add	lenda Year Built	Repaired Replaced or Replacement	CODE Stampe (Yes or NO	
Identification o Name of Component	dition of Section XI Utilia Components Repaired Name of Manufacturer	or Replaced and Re Manufacturer Serial No	placement Compo National Board	80 Winter 80 Add	lenda Year Built	Repaired Replaced or Replacement	CODE Stamps (Yes or NO	
Identification o Name of Component	dition of Section XI Utilia Components Repaired Name of Manufacturer	or Replaced and Re Manufacturer Serial No	placement Compo National Board	80 Winter 80 Add	lenda Year Built	Repaired Replaced or Replacement	CODE Stamps (Yes or NO	
Identification o Name of Component	dition of Section XI Utilia Components Repaired Name of Manufacturer	or Replaced and Re Manufacturer Serial No	placement Compo National Board	80 Winter 80 Add	lenda Year Built	Repaired Replaced or Replacement	CODE Stamps (Yes or NO	
Identification o Name of Component	dition of Section XI Utilia Components Repaired Name of Manufacturer	or Replaced and Re Manufacturer Serial No	placement Compo National Board	80 Winter 80 Add	lenda Year Built	Repaired Replaced or Replacement	CODE Stamps (Yes or NO	

8. Tests Conducted: Hydrostatic Pneumatic

Pneumatic Nominal Operating Pressure V \*

Other \_\_\_\_ Pressure \_By Vendor \_\_\_\_ Test Temp. \_\_\_\_ © F The safety relief volve set pressures are calibrated when rebuilt by Wyle Labs (or other approved facilities), per Technical Specifications, additional testing required.

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.

(12/82)

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

\*An in-service leak test was performed at flange connections with no visible leaks.

9.	Remarks	The safety	relief v	alve, S/	N-1207,	was replay	ced in-kind.	Ref. S/	S #A33572.	MRIR #91-6045	1

Applicable Manufacturer's Data Reports to be attached

(Rebuilt by an approved facility). The stud/nut materials were replaced, Ref. #90-7243 and Dwgs. #3379-270

	71.1

We certify that the statement	ts made in the report are cor	rect and this	conforms to the rules
of the ASME Code, Section X	Ι.	Repair or Replac	rement
Type Code Symbol Stamp	N/A		
Certificate of Authorization_	the second s	Expiration Date	
signed R. Salker	ac Di Ma	Date 7/12	. 19 9 3

#### 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 <u>Massachusetts</u> and employed by <u>Factory Mutual Systems</u><sup>\*</sup> of
<u>Norwood</u>, <u>Massachusetts</u> have inspected the components described in this
Owner's Report during the period <u>RFO</u> g to \_\_\_\_\_\_, and state that to be 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 ASME Code, Section XI.

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

UNAR	Commissions 144 1420
Inspector's Signature	National Board. State, Province and Endorsements
Date 7-26/19/3	

Arkwright Ins. Co.

An Required by the Provisions of the ASME Code Section XI

CARELLER TELEVISIONS	Edison Company		Date	4-29-93			
	Name						
800 Boyl	ston Street, Boston, I	MA	She	et 1 of	1		
	Address						
Plant Pilgrim !	Nuclear Power Station	11	Uni	it #1			
	Name						
Rocky H	ill Road, Plymouth, M	MA	M	R 19201584			
	Address			Repair Organi	zation P.O.	No. Job No. etc.	
Work Performed	by Boston Edison Co	ompany	Typ	e Code Symbol Stamp			
	Name			thorization No.			
Rocky H	ill Road, Plymouth, M	ИA		piration Date			
	Address					And the second state of th	
Identification of	System Main Steam						
Identification a	Components Repaired	or Replaced and Rep	ilacement Comp	onents			
Name of	Name of	Manufacturer	National Board	Other	Year	Repair ed Replaced	ASME CODE Stamps (Yes
Component	Manufacturer	Serial No	No.	Identification	Built	or Replacement	or NO
	승규는 영화 영화 영화	BK-6302			1		
RV-203-4A	Target Rock	BK-6262	24 C 1 C 1	**	68	Replacement	YES
						1	
		1.211.213		3 12 9 13 <u>-</u>			
				1994 - Status - P	1.1.1.1		
					+		
Description of	Work Safety relief val	ve RV-202-4A is a	replacement in	kind. Existing SR	V is believ	ved to be leaking	
	Work <u>Safety relief val</u>	ve RV-202-4A is a 1	replacement in	i kind. Existing SR	V is believ	ved to be leaking	
Description of by valve seat	Work Safety relief val	ve RV-202-4A is a 1	replacement in	kind. Existing SR	V is believ	ved to be leaking	
by valve seat					V is believ	ved to be leaking	
by valve seat	Work <u>Safety relief val</u> ed: Hydrostatic <b>1</b>				V is believ	ved to be leaking	
by valve seat	ed: Hydrostatic 🔲 1	Pneumatic 🛄 Nor	ninal Operating I	Pressure 🗹			
by valve seat Tests Conducte	ed: Hydrostatic 🔲 1	Pneumatic 🔲 Nor	ninal Operating I	Pressure 🗹 est Temp oF		PER	No

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 thro in 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 c, this form.

	Applicable Manufacturer's Data Reports to be attached
CERT	TEICATE OF COMPLANCE
	TIFICATE OF COMPLIANCE
We certify that the statements made in of the ASME Code, Section XI.	Repair or Replacement
of the ASME Code, Section XI.	
of the ASME Code, Section XI. Fype Code Symbol Stamp <u>N/A</u>	Repair or Replacement Expiration Date
	Repair or Replacement

#### 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 <u>Massachusetts</u> and employed by <u>Factory Mutual Systems</u> of
<u>Norwood, Massachusetts</u> have inspected the components described in this
Owner's Report during the period <u>REFO 7</u> to <u>massachuset</u> and state that to be 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 ASME Code, Section XI.

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

VAME.	Commissions MA 1420
Inspector's Signature	National Board, State, Province and Endorsements
Date 7 2619 93	

\*Arkwright Ins. Co.

(12/82)

1.0

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

Owner Boston Edison Company	Date 1-20-93
Name	
800 Boylston Street, Boston, MA	Sheet 1 of
Address	
Plant Pilgrim Nuclear Power Station	Unit#1
Name	
Rocky Hill Road, Plymouth, MA	MR #19201588
Address	Repair Organization P.O. No. Job No. etc.
. Work Performed by Boston Edison Company	Type Code Symbol Stamp N/A
Name	Authorization No. N/A
Rocky Hill Road, Plymouth, MA	Expiration Date N/A
Address	
Identification of System Mainsteam	
(a) Applicable Construction Code ASME Sect. III. Class 1	l 19.68 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Rep	
Identification of Components Repaired or Replaced and Repl	acement Components
and and the second s	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Name of Component	* Name of Manufacturer	Manufacturer Serial No	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME CODE Stamped (Yes or NO)
RV-203-3B	Target Rock	1048			**	Replacement	YES
RV-203-3B	Target Rock	13 (Body)			16. M	Replacement	YES

 Description of Work Installed Spare MSRV Plot Assembly in RV-203-3B and Repaiced Bolting and nuts as required in -service leak test at Flanges and IAW Plant Procedures

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure

Other Pressure 1100 Test Temp. AMB oF

The safety relief valve set pressure are calibrated by the vendor per Tech Spec's. No additional testing is required.

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.

9. Remarks The MSRV pilot assembly was replaced in kind. (Rebuilt by an approved vendor per Tech Specs.) All studs/nuts Applicable Manufacturer's Data Reports to be attached

meet the requirements of Dwg's #3379-27-1 and #3379-27-3 and all components are documented by appropriate MRIR #.

We certify that the statements made in the re	TE OF COM port are corr		conforms to the rules
f the ASME Code, Section XI.		Repair or Rep	
ype Code Symbol StampN/A			
ertificate of Authorization <u>N/A</u>		Expiration Date	
igned R Safe ac Div	N.A.	7/17	.1993

#### 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 Massachusetts and employed by Factory Mutual Systems\* of Norwood, Massachusetts have inspected the components described in this

Owner's Report during the period REO 9 to - , and state that to be 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 ASME Code, Section XI.

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

Commissions MA 1420 National Board, State, Province and Endorsements

Taspector's Signature

\*Arkwright Ins. Co.

Owner	Boston Edison Company	Date 3-31-92	
	800 Boylston Street, Boston, MA	Sheet of	
Plant	Pilgrim Nuclear Power Station	Ubit #1	
	Rocky Hill Road, Plymouth, MA	Various Repair Organization P	O. No. Job No. etc.
Work Pe	Boston Edison Company	Type Code Symbol Stamp	N/A N/A
	Rocky Hill Road, Plymouth, MA	Authorization No	N/A
Identifi	Address Cation of System Control Rod Drive		
(a) Apt	plicable Construction Code ASME III, CL119 77 Editional Edition of Section XI Utilized for Repairs or Replace	tionAddenda	 80 Addenda

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	ASME Code Repaired, Stamped Replaced, (Yes or Replacement or No)
CRD Mounting Bolts	General Electric		w #	MR19200866 MR19200867	84	Replacement NO

7. Description of Work CRD #38-23 & 38-31 Removal and Installation

B. Tests Conducted Hydrostatic Pneumatic Nominal Operating Pressure Other X Pressure psi Test Temp. \_\_\_\_\_ F

Bolts Torqued 350 Ft. 1bs (325-375) Lubricated

NOTE: 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.

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

9. Remains

The CRD mounting bolts were purchased per MRIRs 84-643 & 88-7511 thru Applicable Manufacturer's Data Reports to be attached General Electric. Co.

Type Code Symbol Stamp N/A Certificate of Authorization No N/A Expiration Date	
Certificate of Authorization No.	
Owner or Owner's Designee, Title	
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measure	and state that
Owner's Report in accordance with the requirements of the ASME Code, Section X1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implifi	ed, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or classical shall be liable.	nor his employer
inspection. The the man 11/20	

As Required by the Provisions of the ASME Code Section XI

Owner Bosto	n Edison Company			Date 6-30-93			
800 Bo	Name Viston Street, Boston,	MA		Sheet 1 of I			
	Address						
Plant Pilgrim	i Nuclear Power Static Name	111		Unit			
Rocky	Hill Road, Plymouth,	MA		Various			
	Address					No. Job No. etc.	
Work Perform	ed by <u>Boston Edison (</u> Name	Company		Type Code Symbol Stamp Authorization No.	A DESCRIPTION OF TAXABLE PARTY.		
Rocky	Hill Road, Plymouth,	MA		Expiration Date			
	Address						
Identification	of System <u>RBCCW</u>						
		UTH OF CE					
	Construction Code Sect	and the second se		Edition, Add 19 80 Winter 80 Adde		Co	de Case
ful estimate	content of occurring a cur	izou ioi riopana oi ri	repriserretite	15_00_ +1111CI 00 Add			
Identification of	of Components Repaired	l or Replaced and Re	placement C	omponents			
	1	1	1			1	
	이 옷을 가지 않는 것						ASME CODE
	이 해외 전 이는 것	일 위에 있는 것 같아?	National			Repaired	Stamp
Name of	Name of	Manufacturer	Board	Other	Year	Replaced	(Yes
Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or NO)
PSV-4031	Dresser	non.		MR 19101271	92	Replacement	YES
PSV-4032	Dresser		24.26.26	MR 19101270	92	Replacement	YES
Description o	f Work This was a flan	ed in-kind renlac	ement			4	
Tests Conduc	cted: Hydrostatic	Pneumatic No	minal Operat	ting Pressure			
	Other	Pressure		psi Test Temp.	OF		
	Performed inservice le	ak test at flange unit	s with no visi	ble leakage.			
	Pressure boundary pip	ing not affected; the	refore no PS	I test was required.			
NOTE:	Supplemental sheets i	n form of lists, sketc	hes, or drawi	ngs may be used, provided	(1) size is	8½ in. x 11 in. (2) i	nforma
		6 on this report is in		ich sheet, and (3) each shee			
2/82)	This Form (E	00030) may be obtai	ined form the	Order Dept., ASME, 345 E.	47th St., I	New York, N.Y. 1001	7

. Remarks Completed replacement (in-kind). See MRs for MRIR # 's and details. New bolting	lting not required.
---	---------------------

Applicable	Manufacture	r's Data	Reports to	be attached

	ICATE OF COMPLIANCE e report are correct and thisconforms to the rules
	Repair or Replacement
of the ASME Code, Section XI.	
of the ASME Code, Section XI. Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization <u>N/A</u>	

#### 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 Massachusetts and employed by Factory Mutual Systems\* of Norwood, Massachusetts \_ have inspected the components described in this Owner's Report during the

period <u>RFO 9</u> to \_\_\_\_\_ and state that to be 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 ASME Code, Section XI.

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

Inspector's Signature

Commissions MA 1420

· Arkwright Ins. Co.

National Board, State, Province and Endorsements

Date 2-271993

(12/82)

9

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

Owner Boston 1	Aison Company Name		Date	11/21/91			
800 Rovis	ton Street, Boston, M	14	She	et 1 of	1		
000 40 113	Address	Ri b.					
Plant Pilgrim N	uclear Power Station		Un	it #1			
	Name						
Rocky Hil	l Road, Plymouth, N	1A	M	R 19029105			
	Address			and the second se	zation P.O.	No. Job No. etc.	
Work Performed	by Boston Edison Co	mpany	Тур	e Code Symbol Stam	p N/A		
	Name		Au	thorization No.	N/A		
Rocky Hil	l Road, Plymouth, N	IA	Ex	piration Date	N/A		
	Address						
Identification of S	system Salt Service V	Water					
(a) Applicable Co	nstruction Code 831.	1	19 68	Edition,A	ddenda,	Co	de Case
(b) Applicable Ed	ition of Section XI Utiliz	ed for Repairs or R	eplacements 19	80 Winter 80 Add	denda		
Identification of (	Components Repaired o	or Replaced and Re	placement Comp	onents			
Identification of C	Components Repaired o	or Replaced and Re	placement Comp	onents			
Identification of C Name of Component	Components Repaired o Name of Manufacturer	or Replaced and Re Manufacturer Serial No.	National No.	Other Identification	Year Built	Repaired Replaced or Replacement	ASME CODE Stampe (Yes or NO)
N ame of	Name of Manufacturer	Manufacturer	National Board	Other		Replaced	CODE Stampe (Yes
Manue of Component 29-CK-3880D	Name of Manufacturer	Manufacturer Serial No.	National Board No .	Other Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO
<sup>V</sup> ame of Component 29-CK-3880D Valve to Pipe Bo 29-CK-3880D Valve Disc 29-CK-3880D	Name of Manufacturer	Manufacturer Serial No.	National Board No .	Other Identification	Built	Replaced or Replacement Replaced	CODE Stampe (Yes or NO NO
Name of Component 29-CK-3880D Valve to Pipe Bo 29-CK-3880D Valve Disc 29-CK-3880D	Name of Manufacturer olts Crane Aloyco	Manufacturer Serial No.	National Board No.	Other Identification	Built 	Replaced or Replacement Replaced Replaced	CODE Stampe (Yes or NO NO NO
Name of Component 29-CK-3880D Valve to Pipe Be 29-CK-3880D	Name of Manufacturer olts Crane Aloyco	Manufacturer Serial No.	National Board No.	Other Identification	Built 	Replaced or Replacement Replaced Replaced	CODE Stamp (Yes or NO NO

7. Description of Work Replace 12" SSW check valve disc with upgraded material (see substitution equivalency evaluation Ao. 178). Work completed per MR 19029105/MWP 19029105-1.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure A No LEAKAGE NOTED

Other Pressure\_\_\_\_\_psi Test Temp.\_\_\_\_\_0F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2 in. x 11 in. (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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

	Applicable Ma	mufacturer's Data Reports to be	attached	
				_
		OF COMPLIANCE		
We certify that the statena			conforms to the rules	
of the ASME Code, Section	м.	Kepair o	r Replacement	
Type Code Symbol Stamp_	N/A			
antificate of testherministics	N/4	Faster day B		
Certificate of Authorization	And a second s	Man Date The		
	23 A 3	n.a.	. 19 93	

#### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Doiler and Pressure Vessel Inspectors and the State or Provance of <u>Massachusetts</u> and employed by <u>Factory Mutual Systems</u> of <u>Norwood</u>, <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period <u>//- 2 2 - 9</u> to \_\_\_\_\_\_ and state that to be 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 ASME Code, Section XI.

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

Commissions MA 1420

Inspector's Signature

·Arkwright Ins. Co.

National Board, State, Province and Endorsements

Date 7-171993

As Required by the Provisions of the ASME Code Section XI

Owner <u>Boston</u>	Edison Company Name		Date	<u>1-11-93</u>					
800 Boyl	800 Boylston Street, Boston, MA		She	Sheet 1 of					
	Address								
Plant Pilgrim !	Nuclear Power Statio	n	Un	it#1					
	Name								
Rocky H	ill Road, Plymouth,	MA	M	R 19202802 - 1 thru :	Property and and the state of the				
	Address			and the second se		No. Job No. etc.			
Work Performed	by Boston Edison C	ompany		e Code Symbol Stamp		and a second large de processes			
Decks II.	Name			thorization No.					
ROCKY DI	Il Road, Plymouth, Address	MA	Ex	piration Date	N/A				
	Address								
Identification of	System Salt Service	Water							
a strange wart of	a faith that the start the	Lo MILLO Constantina de la constantina de							
(a) Applicable C	onstruction Code B31	1	1967	Edition, Add	enda	Co	de Case		
			the statement of the st	80 Winter 80 Adde			are cratero		
and other second second									
Identification of	<b>Components</b> Repaired	or Replaced and Re	placement Comp	onents					
Identification of	Components Repaired	or Replaced and Re	placement Comp	onents					
identification of	Components Repaired	or Replaced and Re	placement Comp	onents					
identification of	Components Repaired	or Replaced and Re	placement Comp	onents			ASME		
Identificztion of	Components Repaired	or Replaced and Re		onents		Remined	CODE		
			National		Vour	Repaired	CODE Stampe		
Name of	Name of	Manufacturer	National Board	Other	Year	Replaced	CODE Stampe (Yes		
Name of			National		Year Built		CODE Stampe		
Name of Component	Name of	Manufacturer	National Board	Other		Replaced	CODE Stampe (Yes		
Identification of Name of Component SSW Piping	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO)		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification BECo Spool	Built	Replaced or Replacement	CODE Stampe (Yes or NO)		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification BECo Spool Pieces #JF-29	Built	Replaced or Replacement	CODE Stampe (Yes or NO)		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification BECo Spool Pieces #JF-29 -16-1, 16-5,	Built	Replaced or Replacement	CODE Stampe (Yes or NO)		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification BECo Spool Pieces #JF-29 -16-1, 16-5, 16-7, 16-8 &	Built	Replaced or Replacement	CODE Stampe (Yes or NO)		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification BECo Spool Pieces #JF-29 -16-1, 16-5, 16-7, 16-8 &	Built	Replaced or Replacement	CODE Stampe (Yes or NO)		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification BECo Spool Pieces #JF-29 -16-1, 16-5, 16-7, 16-8 &	Built	Replaced or Replacement	CODE Stampe (Yes or NO)		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification BECo Spool Pieces #JF-29 -16-1, 16-5, 16-7, 16-8 &	Built	Replaced or Replacement	CODE Stampe (Yes or NO		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification BECo Spool Pieces #JF-29 -16-1, 16-5, 16-7, 16-8 &	Built	Replaced or Replacement	CODE Stampe (Yes or NO)		

 Description of Work Planned pipe replacements of spools JF-29-16-1, 16-5, 16-7, 16-8 and 17-1, and installed new bolting/nuts Shop Hydro prior to rubber lining (1.5 x design pressure) 150 psig.

8. Tests Conducted: Hydrostatic 🔀 Pneumatic 🛄 Nominal Operating Pressure 🛄

~			
*Other	Pressure 150/100*	psi Test Temp.	OF

\*In-service 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.

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

Remarks All piping materials were fabricated from "Q" material piping I.A.W. BECo Pipe Spec. M-300. 9.

Applicable Manufacturer's Data Reports to be attached

Also, all testing was I.A.W. ANSI B31.1, 1980, W80. Installed new bolting/nuts per BECo Spec M-300 and appropriate

#### MRIR's.

We certify that the statements made in the report a	
of the ASME Code, Section XI.	Repair or Replacement
Type Code Symbol Stamp <u>N/A</u>	
Certificate of Authorization <u>N/A</u>	Expiration Date
signed White QC Du 1	MGR Date 7/72 .1993
Owner or Owner's Designed, Title	- 1 I - Ladren - 1 I - Ladren

#### 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 Massachusetts and employed by Factory Mutual Systems\* of Norwood, Massachusetts have inspected the components described in this Owner's Report during the

period <u>RFo</u> 9 to \_\_\_\_\_ and state that to be 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 ASME Code, Section XI.

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

Inspector's Signature Commissions MA 1420 National Board Sta

National Board, State, Province and Endorsements

Date 7-271993

\*Arkwright Ins. Co.

As Required by the Provisions of the ASME Code Section XI

Owner Boston	1 Edison Company		Dat	e <u>6/30/93</u>				
800 Boy	Name Aston Street, Boston,	MA	She	et 1 of 2	2			
Diant Pilarim	Address Nuclear Power Statio		110	» #1				
riam rugiun	Pilgrim Nuclear Power Station Name			Unit#1				
Rocky I	Hill Road, Plymouth,	MA		arious				
Work Deriver	Address ad by <i>Boston Edison</i> (	Company and				No. Job No. etc.		
WORK Performe	Name	отрыну		e Code Symbol Stam thorization No.				
Rocky I	Hill Road, Plymouth,	MA		piration Date				
	Address							
Identification o	of System Salt Service	Water						
	Construction Code B31			Edition, Ad		Cr	nde Case	
(b) Applicable	Edition of Section XI Util	ized for Repairs or R	leplacements 19_	80 Winter 80 Add	lenda			
Identification c	of Components Repaired	or Replaced and Re	placement Com	onente				
	n componente nepunea	or nopilioos and no	philochioth Comp	ununu .				
							ASME	
			10.224				CODE	
			National			Repaired	Stamp	
Name of	Name of Manufacturer	Manufacturer Serial No.	Board	Other Identification	Vear Built	Replaced	(Yes	
Component	Manufacturer	Serial No.	290.	roentincation	Bun	or Replacement	or NO	
	SEE ATTACH	ED	1.81.514		1			
						+		
			1.14.534					
				-				
			£1. 1992	308 B. S				
n panta - tanan karana malan					+			
		de stand			1000	3-3-1		
	. In the second s	. In the second s	de la company			1	l	
Description o	f Work SSW Spool Re	placement						
	M	. m						
Tests Conduc	ted: Hydrostatic 🔀	Pneumatic No	ominal Operating	Pressure				
	*Other	Pressure 150		si Test Temp. AMB		٥F		
*in serv	ice leak test performed p	per PNPS 15.3.						
NOTE.	Providence and a base of	a form of links which are		man be used and day	a (a) when the	A		
NOTE:	Supplemental sheets i tion in items 1 through							
	recorded at the top of			and the fast second second				

Remarks Fabrication/installation of the SSW piping spools and fittings were purchased 'Q' per 9.

Applicable Manufacturer's Data Reports to be attached

MRIR # 80-293, 80-056, 91-5433, 91-4209 & 92-3582. Required certification and testing are

documented by the manufacturer.

tion Date
7/22 ,1993

#### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vestel Inspectors and the State or Province of Massachusetts and employed by Factory Mutual Systems\* of Norwood, Massachusetts have inspected the components described in this Owner's Report during the

period \_\_\_\_\_\_ AFO\_\_\_\_\_\_ to \_\_\_\_\_\_ and state that to be 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 ASME Code, Section XI.

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

Inspector's Signature

Commissions MA 1420

National Board, State, Province and Endorsements

· Arkwright Ins. Co.

Date 7-171993

As Required by the Provisions of the ASME Code Section XI

- DOMON	Owner <u>Boston Edison Company</u>			1-15-93	ter an			
800 p	Name							
000 BOY	800 Boylston Street, Boston, MA Address			Sheet of				
mine Thillender								
Plant Tilgrim	Nuclear Power Statio	11	Un	t#1		na se de la composition de la composition de		
	Name							
Kocky H	ill Road, Plymouth, 1	MA	<u>M</u>	R 19201591				
	Address					No. Job No. etc.		
Work Performen	d by Boston Edison C	ompany		e Code Symbol Stam		er en ster provinser bei som direr edans		
	Name			horization No.				
Rocky H	<u>ill Road, Plymouth, M</u> Address	MA	E.x	piration Date	N/A			
(b) Applicable E	Construction Code <u>ASM</u> dition of Section XI Utili Components Repaire 2	zed for Repairs or R	eplacements 19_	80 Winter 80 Ad	the second se	Co	de Case	
(b) Applicable E	dition of Section XI Utili	zed for Repairs or R	eplacements 19_	80 Winter 80 Ad	the second se	Repaired Replaced	ASME CODE	
(b) Applicable E	dition of Section XI Utili	zed for Repairs or R or Replaced and Re	eplacements 19_ placement Comp National	80 Winter 80 Ad	denda	Repaired	ASME CODE Stamps	
(b) Applicable E Identification of	dition of Section XI Utili Components Repaired Name of	zed for Repairs or R or Replaced and Re Manufacturer	eplacements 19_ placement Comp National Board	80 Winter 80 Add	denda Year	Repaired Replaced	ASME CODE Stampe (Yes	
(b) Applicable E Identification of iame of imponent	dition of Section XI Utili Components Repaire 2 Name of Manufacturer	zed for Repairs or R or Replaced and Re Manufacturer Serial No	eplacements 19_ placement Comp National Board No.	80 Winter 80 Add	denda Year Built	Repaired Replaced or Replacement	ASME CODE Stamp (Ves or NO	
(b) Applicable E Identification of iame of imponent	dition of Section XI Utili Components Repaire 2 Name of Manufacturer	zed for Repairs or R or Replaced and Re Manufacturer Serial No	eplacements 19_ placement Comp National Board No.	80 Winter 80 Add	denda Year Built	Repaired Replaced or Replacement	ASME CODE Stamp (Ves or NO	

Description of Work Installed spare MSRV Pilot Assembly in the RV-203-3C and replaced bolting.

	Teste	Conducted	Hudrostatio.	VI	Pneumatic
Q.	10215	Congresses.	riyarostene	and a	Pheumanc

Nominal Operating Pressure

Other Pressure 1100

psi Test Temp. AMB OF

Inservice leak test at flanged area in accordance with plant procedure. The safety relief valve set pressures were calibrated by the vendor, per Technical Specifications. No additional testing was required.

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.

9. Remarks The MSRV Pilot Assembly was replaced in kind. (Rebuilt by an approved vendor per Tech Specifications). Applicable Manufacturer's Data Reports to be attached

All studs/nuts met the requirements of Dwgs #3379-27-3, Sec 6-28-93 and #3379-27-1 and all components

were documented by appropriate MRIR's.

CERTIFICATE OF CO We certify that the statements made in the report are co of the ASME Code, Section XI.	MPLIANCE rrect and this conforms to the rules Repair or Replacement
Type Code Symbol Stamp <u>N/A</u>	
Certificate of Authopization N/A	Expiration Date
Signed I Schere QC Di Man	Date 7/22 , 19 93
Owner or Owner's Designed, 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 or Province of Massachusetts and employed by Factory Mutual Systems\* of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period RF09 to - and state that to be 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 ASME Code, Section XI.

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

Inspector's Signature

Commissions MA 1420

National Board, State, Province and Endorsements

7-271993 Date

·Arkwright Ins. Co.

As Required by the Provisions of the ASME Code Section XI

Dwner <u>Boston Edison Company</u> Name			Date	4/24/93			
000 0					2		
800 Boy	Iston Street, Boston, M	1A	Shee	et of			
man Itilandan	Address		in the state				
Plant Pilgrim	Nuclear Power Station		Unit	#1#1			
Dealer I	Name						
KOCKY H	till Road, Plymouth, M	A					, in the second s
	Address		<u> </u>			No. Job No. etc.	
Work Performe	d by Boston Edison Co	mpany		Code Symbol Stam			
Dealer I	Name Nill Road, Plymouth, M			horization No.			
ROCKY H	a substitution of the second	A	Exp	piration Date	N/A		
	Address						
Id	f System Salt Service W	turk in the second second					
inetrancement of	System Ban Bar Yak H	GREET					interesting and the
(a) Ameliantin (	Date Date Date		10.07	All and a second second		-	
	Construction Code B31.1			Edition, Ad		Co	de Case
(b) Applicable F	dition of Section XI Utilize	ed for Repairs or R	eplacements 19	80 Winter 86 Add	lenda		
(o) when earlier	cation of Section Al Duitz	ed for nepairs or n	epiacements 19_0	nuller ou sur	ichda		
Identification of	f Components Repaired o	r Replaced and Re	placement Compo	inents			
		A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR A CONTRACTOR A CONTRACTOR A CONTRACTOR A CONTRACTOR A CONTRACTOR A	Constraints and		1	And the second sec	ASME
				A			1 ASVIE
				승규는 가지 않는			
			National			Repaired	CODE
Jame of	Name of	Manufacturer	National	Other	Vuar	Repaired	CODE Stamp
Name of	Name of	Manufacturer	Board	Other	Year	Replaced	CODE Stampe (Yes
lame of Component	Name of Manufacturer	Manufacturer Serial No		Other Identification	Year Built		CODE Stampe
	Manufacturer	Serial No .	Board No			Replaced	CODE Stampe (Yes
		Serial No .	Board No			Replaced	CODE Stampe (Yes
	Manufacturer	Serial No .	Board No			Replaced	CODE Stamp (Yes
	Manufacturer	Serial No .	Board No			Replaced	CODE Stamps (Yes
	Manufacturer	Serial No .	Board No			Replaced	CODE Stamp (Yes
	Manufacturer	Serial No .	Board No			Replaced	CODE Stamp (Yes
	Manufacturer	Serial No .	Board No			Replaced	CODE Stamp (Yes
	Manufacturer	Serial No .	Board No			Replaced	CODE Stamps (Yes
	Manufacturer	Serial No .	Board No			Replaced	CODE Stamp (Yes
	Manufacturer	Serial No .	Board No			Replaced	CODE Stamp (Yes
Component	Manufacturer SEE ATTACHI	Serial No.	Board No			Replaced	CODE Stamp (Yes
Component	Manufacturer	Serial No.	Board No			Replaced	CODE Stamp (Yes
Component Description of	Manufacturer SEE ATTACHI	Serial No.	Board No.	Identification	Built	Replaced or Replacement	CODE Stamps (Yes
Component Description of	Manufacturer SEE ATTACHI	Serial No.	Board No.	Identification	Built	Replaced or Replacement	CODE Stamps (Yes
Component Description of	Manufacturer SEE ATTACHI Work <u>Replaced nuts &amp;</u> ted: Hydrostatic Pr	Serial No.  D SUPPLEME bolts.  neumatic No	Board No. NT SHEET minal Operating P	Identification	Built //ice leak te:	Replaced or Replacement	CODE Stamps (Yes
Component Description of	Manufacturer SEE ATTACHI Work <u>Replaced nuts &amp;</u> ted: Hydrostatic Pr	Serial No.  D SUPPLEME bolts.  neumatic No	Board No. NT SHEET minal Operating P	Identification	Built //ice leak te:	Replaced or Replacement	CODE Stamps (Yes

(12/62)

recorded at the top of this form.

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

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

9. Remarks I.A.W. BECo Spec. M-300.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE	OF COMPLIANCE
We certify that the statements made in the repor	rt are correct and this conforms to the rules
of the ASME Code, Section XI.	Repair or Replacement
Fype Code Symbol Stamp N/A	
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization <u>N/A</u>	Expiration Date

#### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>Massachusetts</u> and employed by <u>Factory Mutual Systems</u> of Norwood, <u>Massachusetts</u> have inspected the components described in this Owner's Report during the

period  $\underline{RFO} \underline{q}$  to \_\_\_\_\_ and state that to be 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 ASME Code, Section XI.

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

Commissions MA 1420

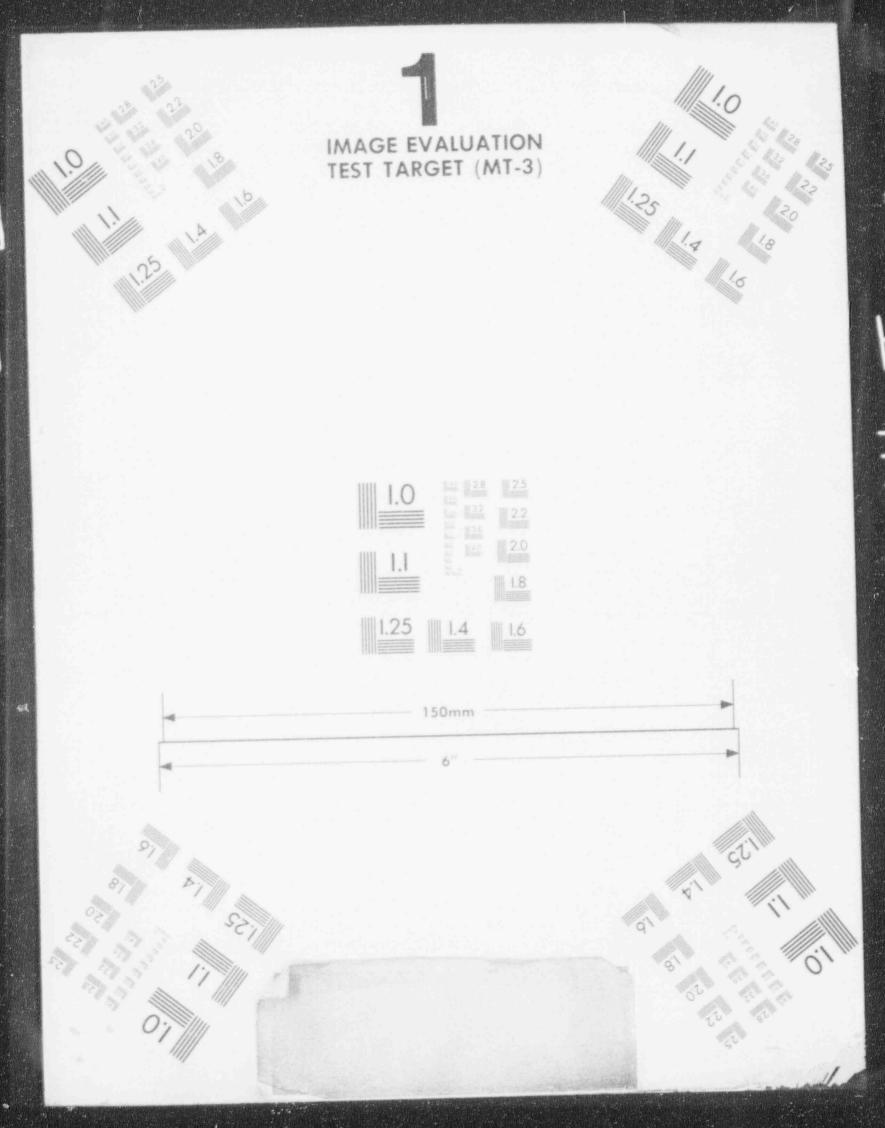
Inspector's Signature

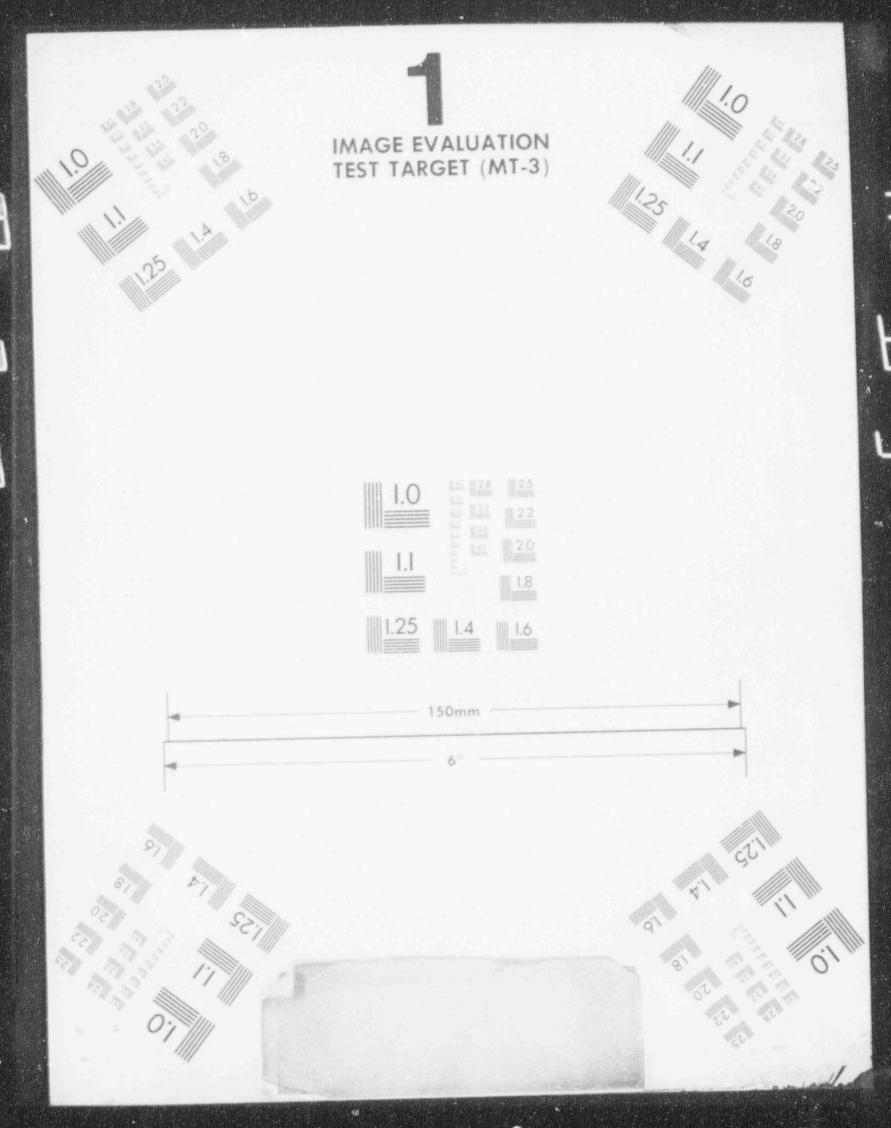
\*Arkwright Ins. Co.

National Board, State, Province and Endorsements

Date 7-2719 93









Page 2 of 2

Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No -	Other Identification	Year Built	Repaired Replaced or Replacement	ASME CODE Stamped (Yes or NO)
SSW Bolting	Cardinal	MRIR 92-5461		SA 193,B7 1 1/8" - 8 x 5 1,	92 2"	Replacement	NO
SSW Bolting	Nova	MRIR 92-5186		SA 194 GR2H 1 1/8" Nut	92	Replacement	NO
SSW Bolting	Nova	MRIR 92-5563		7/8" Sq. Head Bolts	91	Replacement	NO
SSW BOLTING	Cardinal	MRIR 92-3130	-	7/8" Heavy Hx. Huts	91	Replacement	NO







Page 2 of 2

Identification of Components Repaired or Replaced and Replacmenet Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No.	Other Identification	Year Built	Repaired F aced or keplacement	ASME CODE Stampe (Yes or NO)
JF-29-1-6 JF-29-1-5	**		**	MR 19202801	93	Replacement	NO
JF-29-9-9 JF-29-3-5	1946 1946	**	a't a:t	MR 19300055 MR 19202803	93	Replacement	NO
JF-29-4-1 JF-29-1-12	•		-	MR 19202803	93	Replacement	NO
JF-29-1-1 JF-29-4-3	**	87. 87		MR 19202803 MR 19200470	93	Replacement	NO
JF-29-4-2 JF-29-15-4	**	**	**	MR 19200470 MR 19200471	93	Replacement	NO
JF-29-15-5 JF-29-15-10	**			MR 19200471	93	Replacement	NO
JF-29-15-7 JF-29-4-6		**	жн жж	MR 19200471 MR 192.00470	93	Replacement	NO
JF-2 <sup>10</sup> -4-7 JF-29-10-8				MR 19200470 MR 19203949	93	Replacement	NO
JF-29-10-2 J <sup>*-</sup> -29-4-4	-			MR 19200470	93	Replacement	NO
JF-29-4-5 JF-29-15-1		**		MR 19200470 MR 19200471	93	Replacement	NO
JF-29-15-3 JF-29-15-2	***	w.s.		MR 19200471	93	Replacement	NO
BOLT A307	CARDINAL 1 1/8" x 5 3/4"-7			MR 19202801	93	Replacment	NO
NUTS 2H	CARDINAL 1 1/8"-7			MR 19202801	93	Replacement	NO
Titanium Studs Nuts/Bolts	**			MR 19202803 MRIR 92-5544	92	Replacement	NO

As Required by the Provisions of the ASME Code Section XI

Owner <u>Boston Edison Company</u> Name			Dat	e <u>1-15-93</u>				
800 Boyl	800 Boylston Street, Boston, MA			Sheet 1 of İ				
	Address				and the second second			
Plant Pilgrim N	ant Pilgrim Nuclear Power Station			Unit#1				
	Name							
Rocky Hi	Il Road. Flymouth, 1	MA		IR 19201592				
	Address			Repair Organi	zation P.O.	No. Job No. etc.		
Work Performed	by Boston Edison C	ompany		Type Code Symbol Stamp N/A				
	Name			thorization No.				
Rocky Hi	ll Road, Plymouth, )	MA	Ei	piration Date	N/A			
	Address							
	al de la							
Identification of !	System Main Steam							
identification of (	Components Repaired	or Replaced and Re	placement Comp	onents	_			
Name of	Name of	or Replaced and Re Manufacturer	placement Comp National Board	Other	Year	Repaired Replaced	ASME CODE Stampe (Yes	
Identification of ( Name of Component			National		Year Built		CODE Stampe	
Name of	Name of	Manufacturer	National Board	Other	a come	Replaced	CODE Stamps (Yes	
Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No	Other Identification	Built	Replaced or Replacement	CODE Stamps (Yes or NO)	
Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No	Other Identification	Built	Replaced or Replacement	CODE Stamps (Yes or NO	
Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No	Other Identification	Built	Replaced or Replacement	CODE Stamps (Yes or NO	
Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No	Other Identification	Built	Replaced or Replacement	CODE Stamp (Yes or NO	

 Description of Work <u>Installed spare MSRV Pilot Assembly in RV-203-3D</u> and replaced bolts/nuts. Inservice leak test at flanges were LA.W. Plant Procedures.

	Tests	-	12.1	100	Date: 102		K	
8.	Tatte	CON	181.20	5000-	3-Junior	1.07.00	61 × 1	- 8
e	1.00.00.000	20011	100.992.2	1.042.001	1175415	N 21 (MDC)	1257 L	_

Pneumatic Nominal Operating Pressure

Other Pressure 1100

psi Test Temp. AMB

OF

The safety relief valve set pressures were calibrated by the vendor per Technical Specifications.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 6½ in. x 11 in. (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/82)

.

10

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

9.	Remarks	The MSRV	Pilot Assembly	was replaced in-kind.	(Rebuilt by an app	roved vendor per	Tech Specifications.
----	---------	----------	----------------	-----------------------	--------------------	------------------	----------------------

Applicable Manufacturer's Data Reports to be attached

All studs/nuts were I.A.W. Dwg, #3379-27-1-3 and all components were documented by

				ALC: NO
appro	120020-00	18:40 1	1121	10 0
21.17.171 1	2122 14	10.00	12 22.2	E. 3.1

We certify that the statement of the ASME Code, Section XI		correct and this Repair or Repla	conforms to the rules
Type Code Symbol Stamp	N/A		
Certificate of Authorization_	N/A	Expiration Date	
Signed CAR	QC Die Mon	Date 7/12	, 19 93

#### 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 Massachusetts and employed by Factory Mutual Systems\* of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period <u>RFO</u> to \_\_\_\_\_ and state that to be 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 ASME Code, Section XI.

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

Inspector's Signature

Commissions MA 1420

· Arkwright Ins. Co.

National Board, State, Province and Endorsements

Date -22719 93

As Required by the Provisions of the ASME Code Section XI

	Owner Boston Ed			Date 1	/10/93			
	200 D	Name Street Pourses	11					
	OU DOYIM	on Street, Boston, N Address	IA	Sheet	1 of _2		entern frankrigen er som som som er som	
	Direct Dilamine Mr.				411			
1	Plant rugrim /vu	Iclear Power Station		Unit_	#1			
	Decky UH		63	MD	0104117/00/00	105		
	ROCKY FILL	Road, Plymouth, M Address	1/4	NI 24	19104117/PDC 9	and the second se		
	Minal Destaura da						No. Job No. etc.	
4	work Performed D	y <u>Boston Ediso* Co</u>	mpany		ode Symbol Stamp			
	Deeder Hill	Name Road, Plymonth, M	£ 6		rization No.	and the second se		
	KOCKY THH	and the second se	18	Expiri	ation Date	N/A		
		Address						
		0.4.0	No. N. L. C. L. L.	120				
	Identification of Sy	stem Salt Service 1	Water Piping System #	(29				
		Contraction and						
	(a) Applicable Con	struction Code ANS	I B.31.1	19.89 Ed	ition, Ad	denda,	Co	de Case
	(b) Applicable Edit	ion of Section XI Utiliz	ed for Repairs or Replace	ements 19 80	Winter 80 Add	enda		
	Identification of Co	omponents Repaired (	or Replaced and Replacer	nent Comcone	ints			
			in the provide a strain the provide strain	ment compone				
			T		the second second birth and the second s	T		
						1.000	101101	ASME
	S					85 B.S.		CODE
	Sec. 1.		N	itional			Repaired	Stamps
1	Name of	Name of	Manufa, urer	Beard	Other	Year	Replaced	(Yes
1	Component	Manufacturer	Serial No	No.	Identification	Built	or Replacement	or NO
		OFF APPROVE	La Martine and				and the second	
		SEE ATTACH	D MATERIAL SUPI	PLEMENTA	L SHEET			
Ĩ								
						1.5	1. 643	
	×							
						12.55.55		
	Description of Wo	rk 5.5. W	Piping 5yst	em -	replacen	unt,	/upgrade	_ ре
	Description of Wo	rk <u>5.5.</u> W	piping 5yst	em -	replacen	hent,	/upgradu	- pe
	Description of Wo Tests Conducted	irk_ <u>S.S.</u> ₩ Hydrostatic 🗭 P	Propense 5454	Operating Pre	replace n ssure	unt	lupgrade PDC	_ ре 91-10
	Description of Wo Tests Conducted	: Hydrostatic 🙆 P	neumatic Nominal	Operating Pre	ssure		lupgrade PDC	 91-10
	Description of Wo Tests Conducted	: Hydrostatic 🙆 P	neumatic Nominal	Operating Pre	ssure		lupgrade PDC	<u>ре</u> 97-10
	Description of Wo	: Hydrostatic 🙆 P	neumatic Nominal	Operating Pre	ssure			ре 91-10
	Description of Wo	: Hydrostatic 🙆 P	$p_{1}p_{1}p_{2}q_{3}$ $p_{2}p_{2}p_{3}q_{3}$ $p_{2}p_{2}q_{3}q_{3}$ $p_{3}p_{2}q_{3}q_{3}$ $p_{3}p_{2}q_{3}q_{3}$ $p_{3}p_{2}q_{3}q_{3}$ $p_{3}p_{3}q_{3}q_{3}$	Operating Pre	ssure			ре 91-10

(12/82)

This Form (E00030) may be obtained rorm the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

\* NOTE: A. Both A Shop & Field Hydro were performed on all Titanium Spools listed on NIS-2 Material Supplemental Sheet.

新希 B. Field Hydro & Leak-check performed at 100 psi and held for 10 minutes.

9.	Remarks	All meterial liste	ed on NIS-2	Material 3	Supplemental	Sheet were	e purchased a	and installed

	Applicable	Manufacturer	's Data Reports	to be attached
 		a contract of the second se	the state of the state of the state	the second second

to BECo Piping Specification M-300 and conform to the applicable MRIR #'s listed.

CERTIFICA' We certify that the statements made in the rep	TE OF COMPLIANCE	conforms to the rules
of the ASME Code, Section XI.	Repair or Repl	and a second
Type Code Symbol Stamp <u>N/A</u>		
Certificate of Authorization N/A	Expiration Date	

#### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Massachusetts</u> and employed by <u>Factory Mutual Systems</u><sup>\*</sup> of <u>Norwood</u>, <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period <u>RF09</u> to <u>\_\_\_\_</u> and state that to be 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 ASME Code, Section XI.

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

Commissions MA 1430

Inspector's Signature

• Arkwright Ins. Co.

National Board, State, Province and Endorsements

Date 7-2719 93

### NIS-2 MATERIAL SUPPLEMENTAL SHEET PDC 91-10D

Page 2 9 2

	ITEM	MRIR#	YEAR BUILT	REPAIR REPLACEMENT	OTHER I.D.# OR DESCRIPTION
1.	Titanium Studs 1 1/4 x 8 x 7" Lg.	92-5544	1992	Replacement	BECo Code 470754
2.	Titanium Nuts 1 1/4 x 8 Tit. Gr.2	92-5544	1992	Replacement	BECo Code 470754
3.	22" Titanium Pipe Spools	92-9617 92-9617 92-9617 92-9617 92-9617 92-9617 92-9617 92-9617 92-9618 92-9618 92-9618 92-9618 92-9618 92-9618 92-9618 92-9618 92-9617 92-9617	1992 1992 1992 1992 1992 1992 1992 1992	Replacement Replacement Replacement Replacement Replacement Replacement Replacement Replacement Replacement Replacement Replacement Replacement Replacement Replacement Replacement Replacement Replacement Replacement	JH29-1-3 A & B JH29-1-4 A & B JH29-1-5 A & B JH29-1-5 A & B JH29-1-6 A & B JH29-1-8 A & B JH29-1-9 A & B JH29-1-10A & B JH29-2-1-10A & B JH29-2-3 A & B JH29-2-3 A & B JH29-2-5 A & B JH29-2-6 A & B JH29-2-6 A & B JH29-2-7 A & B JH29-2-8 A & B JH29-2-8 A & B JH29-2-9 A & B JH29-3-3 A & B JH29-3-4 A & B
4.	#6 Reinforcing Steel	93-0688	1993	New	BECo Code 485909
5.	#7 Reinforcing Steel	93-0688	1993	New	BECo Code 485907
6.	#9 Reinforcing Steel	93-0688	1993	New	BECo Code 485906

As Required by the Provisions of the ASME Code Section XI

. Owner <u>Boston Ed</u>			Date	5-8-93			
800 Boylsto	Name on Street, Boston,	MA	She	et 1 of	1		
- 11 Long Long	Address						
Plant Pilgrim Nu		n	Un	it#1			
Rocky Hill	Name Road, Plymouth,	MA	м	R 19301758			
HOURY MAN	Address	72/X			zation P.O.	No. Job No. etc.	
Work Performed by	Boston Edison C	Company	Тур	e Code Symbol Stam			
Dealer Hill	Name			thorization No.	and the second s		
KOCKY HUI	Road, Plymouth, Address	MA	EX	piration Date	N/A		
identification of Sy	stom Salt Service	Water					
(a) Applicable Con	struction Code B31		19 67	Edition	idanda		de Davis
			and the second s	Edition, Ad 80 Winter 80 Add			de Case
Identification of Co	mponents Repaired	or Replaced and Re	placement Comp	onents			
					-	1	
			1 · · · · · · · · · · · · · · · · · · ·				ASME
신가 가격을		이 아이는 것	National	같은 것 같아?		Repaired	CODE
Name of	Name of	Manufacturer	Board	Other	Vear	Replaced	(Yes
Component	Manufacturer	Serial No	No.	Identification	Built	or Replacement	or NO
S.S.W. SPOOL	_			JF-29-6-5	69	Repaired	NO
PIECES				JF-29-3-1			
(MO-3801)				MO-3801			
		영국 가격 관계 같이 있다.					
a 38389		a shakar ta tu					
inter de la s		1.1.1.1.1.1.1.1		이 영상 사람으로			
	in the second						
				1.50.250			
-							
Description of Wo	rk Kepair by weid	ing, spoor pieces j	r-29-0-3, Jr-29-	-3-1 and interface t	te-ins to v	alve MO-3801.	
Tests Conducted:	Hydrostatic	Pneumatic No	minal Operating I	Pressure 🗹 Inserv	/ice leak te	st per FRN 93-0349.	
	Other	Pressure	pt	si Test Temp	•F		
		a form of lists shotel	han ar denuiner i	may he used provide	d (1) size is	8½ in. x 11 in. (2) i	nforma-
NOTE: Su	pplemental sheets it	n torm of lists, sketch	nes, or unawings i	may see woon, provide	a fil area in	Contrast of the second s	
tio		6 on this report is in		heet, and (3) each sh			

Remarks The most probable cause of pipe wear is MO-3801 was in a 90% closed position for the last operating 9.

Applicable Manufacturer's Data Reports to be attached

operating cycle which resulted in higher than expected wear (ID of pipe). All work was completed I.A.W.

ASME Section XI requirements.

CERT We certify that the statements made in of the ASME Code, Section XI.	ICATE OF COMPLIANCE the report are correct and this Repair or Rep	conforms to the rules
Type Code Symbol Stamp <u>N/A</u>		
Certificate of Authorization <u>N/A</u>	Expiration Date	
Signed Chiffie at Owner or Owner's Designed, Title	Die Ma Date 7/22	. 19 93

#### 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 Massachusetts and employed by Factory Mutual Systems\* of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period <u>REO 9</u> to <u>-</u> and state that to be 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 ASME Code, Section XI.

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

Inspector's Signature Commissions MA 1420 National Board, Sta

National Board, State, Province and Endorsements

Date 7-271992

+Arkwright Ins. Co.

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

1. Owner Boston Edison Company Date 7/14/93 Name Sheet 1 of 800 Boylston Street, Boston, MA Address 2. Plant Pilgrim Nuclear Power Station Unit #1 Name Rocky Hill Road, Plymouth, MA MR 19102279 Address Repair Organization P.O. No. Job No. etc. Type Code Symbol Stamp N/A 3. Work Performed by Boston Edison Company Name Authorization No. N/A Rocky Hill Road, Plymouth, MA Expiration Date N/A Address 4. Identification of System Salt Service Water Edition, ---5. (a) Applicable Construction Code B31.1 19 67 Addenda, Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 Winter 80 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components ASME CODE National Repaired Stamped Name of Name of Manufacturer. Board Other Year Replaced (Ves. Manufacturer Component Serial No. No. Identification Built or Replacement or NO) SSW Butterfly Pratt Monoflange #994 M-300 92 Replaced NO Valve II, C.S. 29-HO-3823

7. Description of Work Total valve replacement

Various

Various

8

11/8"-7x53/4

Bolt & Nut.

Tests Conducted: \*Hydrostatic 🗹 Pneumatic 🛄 Norr Inal Operating Pressure 🗹 Inservice leak test.

Other Pressure 35 psi Test Temp. 75 OF

92

Replacement

NO

S/S #496048

8/8 #496046

\* Shop hydroed by Mfg. at 450 psig per original design.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2 in. x 11 in. (2) information in items / through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/82)

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

Applica	able Manufacturer's Data Reports to be attached
CERTIFICA	ATE OF COMPLIANCE
CERTIFICA We certify that the statements made in the re	ATE OF COMPLIANCE
CERTIFICA We certify that the statements made in the re of the ASME Code, Section X1.	ATE OF COMPLIANCE eport are correct and this <u>Replacement</u> conforms to the rules Repair or Replacement
We certify that the statements made in the re-	eport are correct and this Replacement conforms to the rules
We certify that the statements made in the re-	eport are correct and this Replacement conforms to the rules
We certify that the statements made in the re of the ASME Code, Section XI. Type Code Symbol Stamp <u>N/A</u>	eport are correct and this <u>Replacement</u> conforms to the rules Repair or Replacement
We certify that the statements made in the re of the ASME Code, Section XI.	eport are correct and this <u>Replacement</u> conforms to the rules Repair or Replacement Expiration Date
We certify that the statements made in the re of the ASME Code, Section XI. Type Code Symbol Stamp <u>N/A</u>	eport are correct and this <u>Replacement</u> conforms to the rules Repair or Replacement

POPER MIC O (Popula)

#### 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 <u>Massachusetts</u> and employed by <u>Factory Mutual Systems</u><sup>\*</sup> of <u>Norwood</u>, <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period <u>RFQ</u> to \_\_\_\_\_\_ and state that to be 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 ASME Code, Section XI.

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

N. Kipper	Commissions MA	1420	
Inspector's Signature	National	Board, State,	<b>Province and Endorsements</b>

Date 7-271993

\*Arkwright Ins. Co.

### As Required by the Provisions of the ASME Code Section Xi

	Edison Company Name		Date 1	1/17/92			
800 Boyl	ston Street, Boston, M	1A	Sheet	1 of	2		
	Address			100 100 100			
Plant Pilgrim N	Nuclear Power Station	1	Unit	#1			
	Name			19 a			
Rocky Hi	ll Road, Plymouth, N	1A		VARIO	ADD PRODUCTION ADDRESS IN		
	Address		1.1.1.1.1			No. Job No. etc.	
Work Performed	by <u>Boston Edison C</u>	ompany		Code Symbol Stamp			
Rocky Hi	ll Road, Plymouth, M	14		rization No ation Date			********
HULKY III	Address	10		auon Date	N/A		
Identification of	System Salt Service	Water Piping (#29	)				
(a) Applicable Co	onstruction Code Tita	nium B31.1 1989	Edition, Ad	denda, <u>"B</u> "	Cod	e Case	
Applicable Const	truction Code Carbon	B31.1 19 8	0 Edition, Ad	denda,	Cod	e Case	
b) Applicable Ed	dition 2 Enction XI Utilia	ed for Repairs or Re	placements 19 80	Winter 80 Add	enda		
la sur de se							
identification of I	Components Repaired	or Replaced and Rep	lacement Compone	ents			
					· · · · · · · · · · · · · · · · · · ·		-
		1					ASM
	1						COD
			National		1.1.1.1	Repaired	Stam
vame of	Name of	Manufacturer	Board	Other	Year	Replaced	Wes
	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or NO
omponent	IT A SEALARD AND, SAME TH			provide allow of the section of			
omponent							
Component		ED SUPPLEMEN	I SHEET			3.3	
Component		ED SUPPLEMEN	I SHEET				
omponent		ED SUPPLEMEN	I SHEET				
omponent		ED SUPPLEMEN	I SHEET				
omponent		ED SUPPLEMEN	I SHEET				
omponent		ED SUPPLEMEN	I SHEET				
omponent		ED SUPPLEMEN	I SHEET				
omponent		ED SUPPLEMEN	I SHEET				
omponent		ED SUPPLEMEN	I SHEET				
omponent		ED SUPPLEMEN	I SHEET				
omponent		ED SUPPLEMEN	ſ SHEET				
	SEE ATTACH						
				a per PDC 91-100			
Description of V	SEE ATTACH	ter System Enchar	acement Program				
Description of V	SEE ATTACH	ter System Enchar	acement Program				
Description of V	SEE ATTACH	ter System Enchar	acement Program	ssure			
Description of V	SEE ATTACH	ter System Enchar	acement Program	ssure			
Description of V	SEE ATTACH	ter System Enchar	acement Program	ssure			
Description of V *Tests Conducte	SEE ATTACH	neumatic Non ressure	acement Program ninal Operating Prepsi 1	ssure	0 F		

(12/82) This Form (E00030) may be obtained form the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017 \*= See Attached Supplement Sheet for Tests Conducted.

		and the state defense of the	with Photo Provide to the second	
	1	присане манијасин	er's Data Reports to be attached	
	nerro, de correction	anter contra arte anteriora		
and the second		<u>New Aller</u>		
	CERTI	FICATE OF CO	MPLIANCE	
We certify that the statemen	ts made in t		rect and this	conforms to the rules
We certify that the statemen f the ASME Code, Section X	ts made in t			and a second
f the ASME Code, Section X	ts made in t		rect and this	and a second
f the ASME Code, Section X ype Code Symbol Stamp	ts made in t I. N/A		rect and this Repair or <u>Repla</u>	and a second
	ts made in t I. N/A N/A		rect and this	and a second

#### 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 Massachusetts and employed by Factory Mutual Systems\* \_\_\_\_\_ of Norwood, Massachusetts have inspected the components described in this Owner's Report during the

period <u>RF09</u> to \_\_\_\_\_ and state that to be 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 ASME Code, Section XI.

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

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

Date 7-151993

·Arkwright Ins. Co.

### NIS-2 REPORT SUPPLEMENT SHEET

	PART REPLACED	MATERIAL USED	MRIR #	TESTING PERFORMED
1	Spool #JF-29-9-9	2-22" slip on flanges	91-4226	Hydro @ 150 lbs.
		Approx 4 ft. of 22" pipe	91-4209	Spark test on rubber lining
2	Spool #JF-29-15-6	2-22" slip on flanges	91-4276	Hydro @ 150 lbs.
		Aprox. 6 ft. of 22" pipe	91-4209	Spark test on rubber lining
3	Spool #JF-29-10-1	2-22" slip on flanges	87-3545	Hydro @ 150 lbs.
		Arprox. 4 ft. of 22" pipe	91-4209	Spark test on rubber lining
4	Spool #JH-29-2-11	1-22" titanium spool	92-5544	Hydro @ 150 lbs.
		1-22" insulator kit	92-1692A	Acceptance per CGI 615
		1 Holtz spanflex Expansion joint	92-5540	Hydro @ 150 lbs.
5	Spool #JH-29-2-1	Same as 4	Same as 4	Same as 4
6	Spool #JH-29-3-1	Same as #4	Same as 4	Same as 4

Note: 1) Items 1, 2 & 3 are carbon steel spool, fabricated under MR 19201127 and were installed in conjunction with MR 19104330 PDC 91-10C.

 All carbon steel bolts were replaced with 6" x 1 1/4" ASTM 307 BECo Stock Symbol #520242, MRIR # 92-5258.

As Required by the Provisions of the ASME Code Section XI

Owner <u>Baston E</u>	dison Company		Date	2-10-93			
800 Boylst	Name ton Street, Boston, M	IA	She	et 1 of			
Plant Pilgrim N	Address uclear Power Station		Uni	t #1			
	Name I Road, Plymouth, M		M	R 19201274			
ROCKY IIII	Address	A		the second s	zation P.O.	No. Job No. etc.	
Work Performed k	by <u>Boston Edison Co</u>	mpany		e Code Symbol Stam	p N/A		
Rocky Hill	Name I Road, Plymouth, M	IA		thorization No piration Date			dering and
	Address				19/10		
Identification of S	vetem SSW						
Identification of C	omponents Repaired o	r Replaced and Rep	placement Comp	onents			ASME
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired Replaced or Replacement	CODE Stamps (Ves or NO
S.S.W. Pump	Goulds Pump	**		**	68	Rebuilt	NO
		and the second s	Contraction into the state of the state of the				
P-208B	ork <u>Rebuilt SSW Pu</u>	mp (P-208B)					
P-208B Description of W	ork <u>Rebuilt SSW Pu</u> I: Hydrostatic <b>]</b> Pr		ninal Operating F	Pressure			

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.

(12/82)

<ol> <li>Remarks SSW Pump (P-208B) was rebuilt I.A.W. Plant Procedures. All parts used to rebuild the pum</li> </ol>	I. Rema	rks SSH	Pump	(P-208B)	was rebuilt	LA.W.	Plant Procedures.	All parts	s used to rebuild	I the pump
--	---------	---------	------	----------	-------------	-------	-------------------	-----------	-------------------	------------

		Applicable Manufact	urer's Data Reports	to be attached
were approved by P.Q.E.	The pump was	satisfactory tested	I.A.W. Station	Procedures.

We certify that the statement			COMPLIAN re correct and		conforms to the rule
of the ASME Code, Section XI				Repair or Rep	the shake and a second s
Type Code Symbol Stamp	N/A		_		
Certificate of Authorization	N/A		Exp	iration Date	
signed ASchehoe	Or	A	Un Date	. 17/27	1093

#### CERTIFICATE OF IN ÆRVICE 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 <u>Massachusetts</u> and employed by <u>Factory Mutual Systems</u><sup>\*</sup> of <u>Norwood</u>, <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period <u><u>RFO</u></u> to <u>—</u> and state that to be 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 ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,

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

Commissions MA 1420

Inspector's Signature

· Arkwright Ins. Co.

National Board, State, Province and Endorsements

Date 7-2)19 93

(12/82)

\$

As Required by the Provisions of the ASME Code Section XI

	Edison Company		Date_	4-19-93			
0.000 0	Name						
800 Boyl	ston Street, Boston,	MA	Sheet	of	-		
man and and a	Address						
Plant Filgrin !	Nuclear Power Statio	11	Unit	#1			
Darke II	Name	144	5.475	1030000			
KOCKY H	ill Road, Plymouth,	MA	MR	19300989			
March Danda and	Address Bastan Edison (		1			No. Job No. etc.	
work Performed	by <u>Boston Edison (</u> Name	ompany		Code Symbol Stam			
Paska H		144		orization No.			
KOCKY III	Il Road, Plymouth, Address	<u>/#7/4</u>	Expl	ration Date	N/A		
	Address						
Internetidian editors and	Durate Call Camiles	347-3					
identification of	System Salt Service	water					
(a) Applicable (	onstruction Code B31	a - 1			and the second	in the second	
a part of the second se		and the state of t	and the second s	dition, Ad	- Constant	Co	de Case
(b) Applicable E	dition of Section XI Util	ized for Repairs or R	eplacements 19_8(	Winter 80 Add	lenda		
		and the state of the state					
Identification of	Components Repaired	or Replaced and Re	placement Compon	ents			
				· · · · · · · · · · · · · · · · · · ·			
					1.1.1.1	AND MENT	ASME
							ASME
			National			Repaired	CODE
Name of	Name of	Manufacturer	National Board	Other	Year	Repaired Replaced	CODE
Name of Component	Name of Manufacturer	Manufacturer Serial No		Other Identification	Year Built	Repaired Replaced or Replacement	CODE Stampe (Yes
Component			Board			Replaced	CODE Stampe (Yes
Component Valve	Manufacturer	Serial No.	Board	Identification	Built	Replaced or Replacement	CODE Stamper (Ves or NO)
Component			Board No.			Replaced	CODE Stampe (Yes
Component Valve	Manufacturer	Serial No.	Board No.	Identification	Built	Replaced or Replacement	CODE Stamper (Ves or NO)
Component Valve	Manufacturer	Serial No.	Board No.	Identification	Built	Replaced or Replacement	CODE Stampe (Ves or NO)
Component Valve	Manufacturer	Serial No.	Board No.	Identification	Built	Replaced or Replacement	CODE Stampe (Ves or NO)
Component Valve	Manufacturer	Serial No.	Board No.	Identification	Built	Replaced or Replacement	CODE Stampe (Ves or NO)
Component Valve	Manufacturer	Serial No.	Board No.	Identification	Built	Replaced or Replacement	CODE Stampe (Ves or NO)
Component Valve	Manufacturer	Serial No.	Board No.	Identification	Built	Replaced or Replacement	CODE Stampe (Ves or NO)
Component Valve	Manufacturer	Serial No.	Board No.	Identification	Built	Replaced or Replacement	CODE Stampe (Ves or NO)
Component Valve	Manufacturer	Serial No.	Board No.	Identification	Built	Replaced or Replacement	CODE Stampe (Ves or NO)
Component Valve	Manufacturer	Serial No.	Board No.	Identification	Built	Replaced or Replacement	CODE Stampe (Ves or NO)
Component Valve	Manufacturer	Serial No.	Board No.	Identification	Built	Replaced or Replacement	CODE Stampe (Ves or NO)
Component Valve	Manufacturer	Serial No.	Board No.	Identification	Built	Replaced or Replacement	CODE Stampe (Ves or NO)
Component Valve MO-3808	Manufacturer Prati	Serial No	Board No.	Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO)
Component Valve MO-3808	Manufacturer	Serial No	Board No.	Identification	Built	Replaced or Replacement	CODE Stamps (Yes or NO)

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.

(12/82)

9. Remarks Replaced bolting S/S 520244, Nuts S/S 524572, Q. Safety Related. I.A.W. Dwg. #M100-7259 and

CERTIF We certify that the statements made in th	ICATE OF COM		conforms to the rules
f the ASME Code, Section XI. ype Code Symbol Stamp N/A		Repair or Repl	
ertificate of Authorization N/A		Expiration Date	
ioned K Mere DC	N 14	Date 1/22	.1993

#### 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 Massachusetts and employed by Factory Mutual Systems\* of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period <u>RFO</u> to \_\_\_\_\_ and state that to be 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 ASME Code, Section XI.

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

Inspector's Signature

Commissions MA 1422

Date 7-231993

National Board, State, Province and Endorsements

+Arkwright Ins. Co.

As Required by the Provisions of the ASME Code Section XI

Switch DOSLOIL	Edison Company	And a second second second second second	Date	7/13/93			
200 P	Name				1		
500 BOY	<u>Iston Street, Boston, M</u> Address	A	She	et of	~		
Plant Pilgrim	Nuclear Power Station		Un	it #1			
	Name						
Rocky H	till Road, Plymouth, M.	A	Vi	rious			
	Address					No. Job No. etc.	
Work Performed	d by <u>Boston Edison Con</u>	mpany		e Code Symbol Stam			
Packs II	Name Iill Road, Plymouth, M.	4		thorization No.	the second s		
KOCKY D	Address	4	Ex	piration Date	N/A		Terroret controls of
	Provincion						
Identification of	System Salt Service W	Vater					
	and the second se						and includes
(a) Applicable C	Construction Code B31.1		19 67, 89	Edition, Ad	idenda,	Cc	de Case
(b) Applicable E	dition of Section XI Utilize	ed for Repairs or R	eplacements 19	80 Winter 80 Add	lenda		
Iden ation of	Components Repaired or	r Replaced and F.a	placement Comp	onents			
iden <sup>er</sup> ation of	Components Repaired or	r Replaced and F.a	placement Comp	onents			
iden' ation of	Components Repaired or	r Replaced and F.a	placement Comp	onents			ASME
Iden <sup>v</sup> Jation of	Components Repaired or	r Replaced and For		onents			CODE
			National			Repaired	CODE Stampe
Name of	Name of	Manufacturer	National Board	Other	Year	Replaced	CODE Stampe (Yes
			National		Year Built		CODE Stampe
Name of	Name of Manufacturer	Manufacturer Serial No	National Board No.	Other		Replaced	CODE Stampe (Yes
Name of	Name of	Manufacturer Serial No	National Board No.	Other		Replaced	CODE Stampe (Yes
Name of	Name of Manufacturer	Manufacturer Serial No	National Board No.	Other		Replaced	CODE Stampe (Yes
Name of	Name of Manufacturer	Manufacturer Serial No	National Board No.	Other		Replaced	CODE Stampe (Yes
Name of	Name of Manufacturer	Manufacturer Serial No	National Board No.	Other		Replaced	CODE Stampe (Yes
Name of	Name of Manufacturer	Manufacturer Serial No	National Board No.	Other		Replaced	CODE Stampe (Yes
Name of	Name of Manufacturer	Manufacturer Serial No	National Board No.	Other		Replaced	CODE Stampe (Yes
Name of	Name of Manufacturer	Manufacturer Serial No	National Board No.	Other		Replaced	CODE Stampe (Yes
Name of	Name of Manufacturer	Manufacturer Serial No	National Board No.	Other		Replaced	CODE Stampe (Yes
Name of	Name of Manufacturer	Manufacturer Serial No	National Board No.	Other		Replaced	CODE Stampe (Yes
Name of	Name of Manufacturer	Manufacturer Serial No	National Board No.	Other		Replaced	CODE Stampe (Yes

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure

Other Pressure psi Test Temp. OF

VT-3 inspections performed i.A.W. QCI #50.81.

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.

12/82)

9. Remarks All fabrication performed LA.W. PDC 91-10E, ANSI B.31.3.

Applicable Manufacturer's Data Reports to be attached

We certify that the statemen of the ASME Code, Section X			eonforms to the rules
Type Code Symbol Stamp		mpany or respin	CHICKLE .
	N/A	Expiration Date	
Certificate of Authorization_	27/58	and the second se	

#### 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 Massachusetts and employed by Factory Mutual Systems\* of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period <u>RF0</u> to <u>-</u> and state that to be 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 ASME Code, Section XI.

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

Inspector's Signature

Commissions MA 1420

+Arkwright Ins. Co.

National Board, State, Province and Endorsements

Date 7-271993

SUPPLEMENT SHEET

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired Replaced or Replacement	ASME CODE Stamped (Yes or NO)
H-29-1-45 H-29-1-54	1			MR 19201550	93	NEW	NO
H-29-1-47 H-29-1-49	968			MR 19201550	93	NEW	NO
H-29-1-51 H-29-1-53	-	**	**	MR 19201550	93	NEW	NO
H-29-1-46 H-29-1-48		-	*	MR 19201550	93	NEW	NO
H-29-1-50 H-29-1-52	-	-	**	MR 19201550	93	NEW	NO
H-29-1-12SG	**		**	MR 19200471	81	REPAIR	NO
H-29-1-1064		-	-	MR 19200471	92	REPLACED	NO
H-29-1-22	**	-10		MR 19200471	**	REPAIR	NO
	1.1997						



. /

As Required by the Provisions of the ASME Code Section XI

Name     Sheet     1     of       Address     2     Plant     Pilgrim Nuclear Power Station     Unit     #1       Name     Mame     MR 19201550/PDC 91-10E     Repair Organization P.O. No. Job No. etc.       8. Work Performed by Boston Edison Company     Name     Name     NATOR       8. Work Performed by Boston Edison Company     Name     N/A     N/A       Address     Address     Authorization No.     N/A       8. Work Performed by Boston Edison Company     N/A     Expiration Date     N/A       Address     Address     Code Symbol Stamp     N/A       Address     Authorization No.     N/A       8. Work Performed by Boston Editor of System Salt Service Water System #29     Expiration Date     N/A       6. (a) Applicable Construction Code     ANSI B31.1     19.89     Edition,	(PDC 91-10E)         Organization P.O. No. Job No. etc.         ol Stamp       N/A         N/A       N/A         N/A       N/A         Addenda,       Code Case         80 Addenda       Code Case         Stamp       Kasse         Year       Repaired         Stamped       Stamped         Year       Replaced
Address     Unit     #1       Name     MR 19201550/PDC 91-10E       Rocky Hill Road, Plymouth, MA     MR 19201550/PDC 91-10E       Address     Repair Organization P.O. No. Job No. etc.       Work Performed by Boston Edison Company     N/A       Name     Name       Rocky Hill Road, Plymouth, MA     Address       Identification of System Salt Service Water System #29     N/A       (a) Applicable Construction Code ANSI B31.1     19.89       Identification of Section XI Utilized for Repairs or Replacements 19_80     Winter 80 Addenda       Identification of Components Repaired or Replaced and Replacement Components     Year       Name of     Name of     Manufacturer       Name of     Name of     Manufacturer       Name of     Manufacturer     No.	(PDC 91-10E)         Organization P.O. No. Job No. etc.         ol StampN/A        N/A        Addenda,Code Case         80 Addenda         Year       Repaired         Year       Replaced
Name     MR 19201550/PDC 91-10E       Address     MR 19201550/PDC 91-10E       Work Performed by <u>Boston Edison Company</u> Name     Repair Organization P.O. No. Job No. etc.       Type Code Symbol Stamp     N/A       Address     Authorization No.       Name     N/A       Address     N/A       Identification of System     Salt Service Water System #29       (a) Applicable Construction Code     ANSI B31.1     19.89       Edition,    Addrenda,       (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_80     Winter 80 Addenda       Identification of Components Repaired or Replaced and Replacement Components     Year       Name of     Name of     Manufacturer       Name of     Manufacturer     Serial No.	Organization P.O. No. Job No. etc. ol Stamp <u>N/A</u> <u>N/A</u> <u>N/A</u> <u>N/A</u> <u>Addenda</u> <u>Code Case</u> 80 Addenda <u>Vear Repaired</u> <u>Year Replaced</u> (Yes
Rocky Hill Road, Plymouth, MA     MR 19201550/PDC 91-10E       Address     Repair Organization P.O. No. Job No. etc.       Work Performed by Boston Edison Company Name     Name       Rocky Hill Road, Plymouth, MA     Authorization No.       Address     N/A       Identification of System     Salt Service Water System #29       (a) Applicable Construction Code     ANSI B31.1       19.89     Edition,       (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_80       Winter 80 Addresda	Organization P.O. No. Job No. etc. ol Stamp <u>N/A</u> <u>N/A</u> <u>N/A</u> <u>N/A</u> <u>Addenda</u> <u>Code Case</u> 80 Addenda <u>Vear Repaired</u> <u>Year Replaced</u> (Yes
Address       Repair Organization P.O. No. Job No. etc.         Work Performed by Boston Edison Company Name       Type Code Symbol Stamp       N/A         Authorization No.       N/A         Address       Authorization No.       N/A         Address       Expiration Date       N/A         Identification of System       Salt Service Water System #29       Edition,Addenda,Coor       Coor         (a) Applicable Construction Code       ANSI B31.1       19.89       Edition,Addenda,Coor       Coor         (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_80       Winter 80 Addenda       Cor         Identification of Components Repaired or Replaced and Replacement Components       Repaired       Repaired         Name of       Name of       Manufacturer       Board       Other       Year       Replaced         Name of       Manufacturer       Serial No.       No.       Identification       Built       Replacement	Organization P.O. No. Job No. etc. ol Stamp <u>N/A</u> N/A N/A N/A Code Case 80 Addenda Vear Repaired Stampes (Yes
Work Performed by Boston Edison Company Name       Type Code Symbol Stamp       N/A         Address       Type Code Symbol Stamp       N/A         Address       Expiration Date       N/A         Identification of System       Salt Service Water System #29       N/A         (a) Applicable Construction Code       ANSI B31.1       19.89       Edition,Addenda,Codenda,Codenda         (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_80       Winter 80 Addenda       Codenda         Identification of Components Repaired or Replaced and Replacement Components       National       Other       Year       Repaired         Name of Component       Name of Manufacturer       National       Other       Year       Replaced         Name of Component       Manufacturer       Soard       Other       Year       Replaced         Name of Component       Manufacturer       No.       Identification       Built       Replaced	ol Stamp <u>N/A</u> <u>N/A</u> <u>N/A</u> <u>N/A</u> <u>Addenda</u> S0 Addenda <u>S0 Addenda</u> <u>Vear Replaced</u> <u>Yes</u>
Name       Authorization No.       N/A         Rocky Hill Road, Plymouth, MA       Expiration Date       N/A         Address       Expiration Date       N/A         Identification of System Salt Service Water System #29	Addenda, Code Case 80 Addenda 80 Addenda Year Repaired Stampe (Yes
Address         Identification of System Salt Service Water System #29         (a) Applicable Construction Code ANST B31.1       19.89       Edition, Addenda, Code         (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_80       Winter 80 Addenda         Identification of Components Repaired or Replaced and Replacement Components       Identification of Components Repaired or Replaced and Replacement Components         Name of Component       Name of Manufacturer Serial No.       National Board No.       Other Identification       Year Brail       Repaired Replaced or Replacement	Addenda, Code Case 80 Addenda ASME CODE Year Repaired Stampe (Yes
Identification of System Salt Service Water System #29         (a) Applicable Construction Code ANSI B31.1       19.89       Edition, Addenda, Code         (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_80       Winter 80 Addenda         Identification of Components Repaired or Replaced and Replacement Components         Name of Component       Name of Manufacturer       National Board       Other       Year       Repaired Replaced         Name of Component       Manufacturer       No.       Identification       Built       or Replaced	80 Addenda ASME CODE Repaired Year Replaced (Yes
(a) Applicable Construction Code ANST B31.1       19.89       Edition, Addenda, Code (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_80       Winter 80 Addenda         Identification of Components Repaired or Replaced and Replacement Components       Identification of Components Repaired or Replaced and Replacement Components       Repaired         Name of Component       Name of Manufacturer       Manufacturer       Board No.       Other       Year Replaced or Replaced or Replacement	80 Addenda ASME CODE Repaired Year Replaced (Yes
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_80_Winter 80 Addenda         Identification of Components Repaired or Replaced and Replacement Components         Name of Name of Component       National Board Board Nanufacturer Serial No.         Name of Component       Nanufacturer Serial No.	80 Addenda ASME CODE Repaired Year Replaced (Yes
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_80_Winter 80 Addenda         Identification of Components Repaired or Replaced and Replacement Components         Name of Component       Name of Manufacturer         Name of Component       Manufacturer         Serial No.       No.	80 Addenda ASME CODE Repaired Stampe Year Replaced (Yes
Identification of Components Repaired or Replaced and Replacement Components         Name of       Name of       Name of       Manufacturer       National       Other       Year       Repaired       Replaced       Or Replaced	ASME CODE Repaired Stampe Year Replaced (Yes
Name of Name of Manufacturer Board Other Year Replaced or Replaced or Replacement	CODE Repaired Stampe Year Replaced (Yes
Name of Component         Name of Manufacturer         Manufacturer         Board         Other         Year         Replaced           No         Mo         Identification         Built         or Replacement	CODE Repaired Stampe Year Replaced (Yes
Name of Component         Name of Manufacturer         Manufacturer         Board         Other         Year         Replaced           No.         Month Serial No.         No.         Identification         Built         or Replacement	CODE Repaired Stampe Year Replaced (Yes
Name of Component         Name of Manufacturer         Manufacturer         Board         Other         Year         Replaced           No         Mo         Identification         Built         or Replacement	Repaired         Stampe           Year         Replaced         (Yes)
Name of Component         Name of Manufacturer         Manufacturer         Board         Other         Year         Replaced           No.         Month Serial No.         No.         Identification         Built         or Replacement	Year Replaced (Yes
Component Manufacturer Serial No. No. Identification Built or Replacement	
김 씨는 그 그는 것은 것 같은	
신문 것 같은 것 같	
방법이 있는 것이 같이 많이	
승규는 것 같아요. 그는 것 같아요. 이렇게 잘 하는 것 같아요. 이렇게 잘 하는 것 같아요. 이렇게 많이	

9. Remarks All material purchased in accordance with Boston Edison Specification M-300 and all

		App	olicable Many	facturer's Data	Reports to be	attached
MRIR numbers	listed on NI	S-2 Material Sup	plemental	Sheet.		

We certify that the statement of the ASME Code, Section X		
Type Code Symbol Stamp	N/A	
Certificate of Authorization_	N/A	Expiration Date
signed I S- Whore	QC DW	Mac Date 7/22 ,19 93

#### 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 <u>Massachusetts</u> and employed by <u>Factory Mutual Systems\*</u> of <u>Norwood</u>, <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period <u><u>RFO</u></u> to <u>and state that to be best of my knowledge and belief</u>, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Inspector's Signature

Date 7-27 1993

Commissions MA 1420

National Board, State, Province and Endorsements

·Arkwright Ins. Co.

# NIS-2 MATERIAL SUPPLEMENTAL SHEET

# Materials List for MR 19201550/PDC 91-10E

	ITEM	MRIR	YEAR BUILT	REPAIR REPLACEMENT	OTHER I.D. # OR DESCRIPTION
1.	3-Holtz Spanflex Expansion	92-5540	1992	Repl.	XJ 3860 *
	Joint Model 320/2/533 22"	92-1837	1992	Repl.	XJ 3857 *
		92-5540	1992	Repl.	X 3863 * **
2.	2-3/4" Screwed Gate Vlv. Copper Nickel	87-4894 87-4894	1987 1987	Repl. Repl.	** **
3.	Hanger Baseplates 3/4" x 4" x 8"	93-9619	1993	New	H-29-1-45 H-29-1-46 H-29-1-47 H-29-1-48 H-29-1-49 H-29-1-50 H-29-1-51 H-29-1-51 H-29-1-52 H-29-1-53 H-29-1-55
١.	Titanium Studs 1 1/4" x 8 x &' Lg.	92-5544	1992	Repl.	N/A
5.	Titanium Nuts 1 1/4' X 8 Gr. 2	92-5544	1992	Repl.	N/A
6.	Titanium Flat Washers	92-6900	1992	Repl.	N/A
7.	Carbon Steel Hex Bolt 1 1/4' X 8" X 7 UNC A307 Gr. B	92-4676 92-5258	1992 1992	Repl. Repl.	N/A N/A
Β.	150 lb. Flat Face Flange 3/4" Copper Nickel	93-9581	1992	Repl.	N/A

9	ITEM	MRIR	YEAR BUILT	REPAIR REPLACEMENT	OTHER 1.D. # OR DESCRIPTION
9.	Titanium Pipe Spools*	92-9618	1992	Repl.	JH-29-1-12
	Titanium Pipe Spools*	92-9618	1992	Repl.	JH-29-4-1
	Titanium Pipe Spools*	93-9611	1993	Repl.	JH-29-1-2
	Titanium Pipe Spools*	93-9543	1992	Repl.	JH-29-2-10
	Titanium Pipe Spools*	92-9621	1992	Repl.	JH-29-2-3
	Titanium Pipe Spools* **	92-9621	1992	Repl.	JH-29-1-1

JH-29-1-12, 4-1, 1-2, 2-10, 2-3, 1-1 are all 22" Pipe.





As Required by the Provisions of the ASME Code Section XI

. Owner Boston	Edison Company Name		Date	7/13/93					
800 Boyl	ston Street, Boston, M	IA	Shee	t 1 of	2				
	Address								
. Plant <u>Pilgrim</u> )	Nuclear Power Station		Unit	#1					
	Name								
Rocky H	ill Road, Plymouth, M	[A	<u>Va</u>	rious					
	Address					No. Job No. etc.			
. Work Performed	by Boston Edison Co	mpany		Code Symbol Stam					
Dealer II	Name ill Road, Plymouth, M			horization No.					
KOCKY HI	Address	A	Exp	iration Date	N/A				
Identification of	System <u>Salt Service V</u>	Vater							
	onstruction Code 831.1		the second	Edition, Ad		Cc	ode Case		
(D) Applicable E	dition of Section XI Utiliz	ed for Hepairs or H	eplacements 19_1	winter 80 Add	ienda				
Identification of	Components Repaired o	r Heplaced and He	placement Compo	nents					
and the state of the second second		1	1	1	1	1			
							ASME		
	1 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	1		1.2			CODE		
			National	: 말 : 말 : 말 : 말 : 말 : 말 : 말 : 말 : 말 : 말		Repaired	Stamp		
Name of	Name of	Magufacturer	Board	Other	Year	Replaced	Wes		
Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or NO		
	SEE ATTACHE	D SUPPLEMEN	T						
			1						
					1				
		5		1 - C. & D & K.					
				Statistics for					
		13.53 Bible							
						and the last distribution in the second second second	and the second state of the		
	and the state of the					100 10 10			
			1				1		
Particular 2010	week CONTRACTOR								
Description of Y	Nork SSW Valve Repl	accinent	le an ere li chine l'est e l'ada		1 Kin (2 Im (25 ) 1 Million				
Tests Conducte	ed: Hydrostatic 🌅 Pr	neumatic 🔲 No	minal Operating P	1					
Testa Gonducia	a. Hydrosibuc Land Pi	neumatic Line 190	minal Operating P	ressure term					
	Other Pr	essure 35		Test Temp. 75	٥F				
	illation in-service test, no			1 160. 1600p. <u>10</u>					
Postinet	mentan ni-pervise teat n	r trature rearies							
Post insta									
	Supplemental sheets in	form of lists, sketch	hes, or drawings m	av be used, provide	d (1) size is	8% in x 11 in (2) i	nforma-		
NOTE:	Supplemental sheets in tion in items 1 through 6								

<ol><li>Remarks The vendor, Pratt, provided a C of C to verify valve body hydro</li></ol>	testing.	Also, all replacement
---	----------	-----------------------

		Applicable Manufacturer's Data Reports to be attached
bolting/nuts were I.A.W.	BECo Pipe Spec.	M-300 and appropriate MRIR #'s.

CERTIFICATE	OF COMPLIANCE	
We certify that the statements made in the report	are correct and this	conforms to the rules
of the ASME Code, Section XI.	Repair or Repl	acement
The Coll Combilition N/A		
Type Code Symbol Stamp <u>N/A</u>	an ar an	
Certificate of Authorization N/A	Expiration Date	

#### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Massachusetts</u> and employed by <u>Factory Mutual Systems</u><sup>\*</sup> of <u>Norwood</u>, <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period <u>*RFO*</u> to <u>—</u> and state that to be 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 ASME Code, Section XI.

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

Commissions MA 1420

Inspector's Signature

National Board, State, Province and Endorsements

Date 7-27 19 93

+Arkwrigi., Ins. Co.

1127821

Page 2 of 2

* Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME CODE Stamped (Yes or NO)
S.S.W. Valve	Pratt	Monoflange II, C/S	**	MR 19202802 HO-3816	92	Replaced	NO
S.S.W. Valve	Pratt	Monoflange H, C/S		MR 19202802 HO-3814	92	Replaced	NO
S.S.W. Valve	Pratt	Monoflange II, C/S	- 10) - 10)	MR 19202802 HO-3815	92	Replaced	NO
S.S.W. Valve	Pratt			MR 19200471 29-HO-3818	68	Replaced	NO
S.S.W. Valve	Pratt	sin		MR 19200471 29-HO-3814	68	Replaced	NO
S.S.W. Valve	Pratt	Monoflange II, C/S	ina .	MR 19101530 #994 (29-HO-3 Per M-300	92 839)	Replaced	NO
S.S.W. Valve	Pratt	MK #994	**	MR 19102080 HO-3881B	92	Replaced	NO
S.S.W. Valve	Prati	MK #994		MR 19103949 HO-3915	92	Replaced	NO
S.S.W. Valve	Pratt	Monoflange II, C/S MK #994	-	MR 19103950 HO-3881A	92	Replaced	NO
S.S.W. Valve	Prait	MK 994	**	MR 19103028 AO-3925	92	Replaced	NO



As Required by the Provisions of the ASME Code Section XI

. Owner <u>DUSTOR</u>	Edison Company Name		Dat	e <u>12-17-92</u>	and the second states of		
800 Boyl	ston Street, Boston, 1	MA	She	et 1 of	1		
	Address						
Plant Pilgrim	Nuclear Power Station Name	n	Un	it#1			
Rocky H	ill Road, Plymouth, N	MA	M	R 19101279			
	Address			the second s	zation P.O.	No. Job No. etc.	
Work Performed	i by <u>Boston Edison</u> C	ompany	Тур	e Code Symbol Stam	p <u>N/A</u>		
0 1 0	Name			thorization No.			
KOCKY H	<u>ill Road, Plymouth, N</u> Address	MA	Ex	piration Date	N/A	n na an an Anna Anna Anna. T	
Identification of	System Core Spray						
(a) Applicable C	anothurtian Code Suct	on VIII	*0.00	Edition	Ideada Mil		a nor
19 19 19 19 19 19 19 19 19 19 19 19 19 1	onstruction Code Secti dition of Section XI Utili		sector sector		idenda, <u>-00</u> lenda	<u>1728</u> Co	ode Case
(iii) supprioration.		Low for meparts of h	epiacemente 15_	00 TTHEFT OU /1144	it it it it		
Identification of	Components Repaired	or Replaced and Re	placement Comp	onents			
			12.1	6	1		ASME
			10222-00				CODE
			National			Reprired	Stamp
Name of	Name of Manufacturer	Manufacturer Serial No	Board No.	Other	Year D. D.	Replaces	(Ves
Component	Manufacturer	Serial No.	N0 .	Identification	Built	or Replacement	or NO
PSV-1401-28A	Andersee	Model 81P	1.24		91	Replacement	YES
	Greenwood						
3. 12. 5. 14							
	121122-026-0				1		
		1	1		- I consider the second		
Description of	Work Replaced PSV-1	401-28A with a ne	w Anderson Gr	eenwood Valve. Als	so, the up	stream piping wa	s
modified to acc	comodate for the inlet fla	ange size difference	Also, new boltin	ng was instal.Jd.			
	5						
Tests Conduct	ed: Hydrostatic 🗹 I	Pneumatic No	minal Operating	Pressure			
	Other F	ressure 550		si Test Tomp. AMB		0 F	
	and the second			a tractionip. <u>Parto</u>			
	Supplemental sheets in			and the second			
NOTE:	tion in items 1 through		icluded on each s	heet, and (3) each shi	eet is numb	pered and the numb	er of she
NOTE:	reported at the top of a						
NOTE:	recorded at the top of t	nis tornt.					
NOTE: 2/82)			ined form the Ord	ler Dept., ASME, 345 8	. 47th St., I	New York, N.Y. 1001	7

B	Remarks	Replacement	valve was j	purchased	"Q" to	ASME	Section III	, Division 1	Requirement.	

Applicable Manufacturer's Data Reports to be attached

Replacement bolting ASTM A193 C x.B7 "Q" and replacement nuts ASTM A194 GR.2H "Q".

We craftly that the statemen			conforms to the rules
of the ASME Code, Section X	I.	Repair or Repl	lacement
Type Code Symbol Stamp	N/A		
Certificate of Authorization_	N/A	Expiration Date	
Signed Malphale	GC Dis Ma	Date 7/22	.19 9 3

#### 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 <u>Massachusetts</u> and employed by <u>Factory Mutual Systems</u>\*\_\_\_\_\_ of

Norwood, Massachusetts have inspected the components described in this Owner's Report during the period  $\underline{\mathcal{RFO}9}$  to \_\_\_\_\_\_ and state that to be 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 ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employ. Analysis and 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 or any source on al injury or property damage or a loss or any kind arising from or connected with this inspectica.

Commissions MA 11

Inspector's Signature

•Arkwright Ins. Co.

National Board, State, Province and Endorsements

Date\_\_\_\_7-271993

As Required by the Provisions of the ASME Code Section XI

and the second se	Edison Company		Date	3-10-93			
800 Roy	Name ston Street, Boston, M	4.4	Che	et 1 of	1		
300 DOy	Address	1/3		et of	-		
Plant Pilgrim	Nuclear Power Station		Uni	t #1			
	Name						
Rocky H	ill Road, Plymouth, M	ſA	М	R 19201757			
	Address			Repair Organi	zation P.O	No. Job No. etc.	
Work Performed	by Boston Edison Co	mpany	Тур	Code Symbol Stam	P. N/A		
	Name		Aut	horization No	N/A		
Rocky H	ill Road, Plymouth, M	IA	Exp	piration Date	N/A		
	Address						
		la de la chérica de la chér					
identification of	System Scram Discha	irge Volume (East &	(West)				
a la caracteria de la cara	onstruction Code B31.	And in the second		And states a summary second se	idenda,	Co	de Cas
(b) Applicable E	dition of Section XI Utiliz	ed for Repairs or Repla	acoments 19_	80 Winter 80 Add	lenda		
identification of	Components Repaired o	r Replaced and Replac	cement Compo	onents			
	[영화] 이 가지 않는				1.1	14. 14 M	ASME
				아이 가지 않는 것			CODE
			National		1.0.0	Repaired	Stamp
ame of	Name of	Manufacturer	Board	Other	Year	Replaced	(Yes
omponent	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or NO
					+		
.D.I.V.	Piping Mod's		**		93	Addition of	NO
	by BECo	1.1.1		영화 전 문화 영화		Test	
		1. S. S. C. S. M.				Connections	
						(Modifican	)
					A statistics	Cindical	
				A REAL PROPERTY OF A READ REAL PROPERTY OF A REAL P	1 C		
							the survey of th
Description of 1	Work Test Connection	s for S.D.I.V, and D	rain Isolatio	n Valves.			
		in the selection of the					
	Work <u>Test Connection</u> ed: Hydrostatic 🗹 P	in the selection of the					
	ed: Hydrostatic 🗹 P	neumatic 🔲 Nomin	al Operating P	Pressure			
	ed: Hydrostatic 🗹 P	in the selection of the	al Operating P	Pressure		0F	
Tests Conducte	ed: Hydrostatic 🗹 P	neumatic Nomin ressure <u>1413</u>	al Operating P	Pressure		0F	

(12/82)

recorded at the top of this form.

Remarks All piping/components addressed in PDC 92-40 were purchased "Q" per appropriate MRIR #'s. 0

Applicable Manufacturer's Data Reports to be attached

Also, the construction code for S.D.I.V. vents/drains were per ANSI B31.1, 1977 Edition, including

1979 Addenda. This modification was implemented to the same code edition/addenda.

We certify that the statement of the ASME Code, Section X		CATE O e report :	F COMP are correc	t and this Repair or Repla	conforms to the rules
Type Code Symbol Stamp	N/A				
Certificate of Authorizati	N/A			Expiration Date	
Signed Owner or Owner's Desi		Div	Mon	Date 7/22	. 19 93

#### 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 Massachusetts and employed by Factory Mutual Systems\* of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period <u>RF09</u> to \_\_\_\_\_ and state that to be 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 ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,

concerning the examinations and corrective measure 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 or any kind agising from or connected with this inspection.

Inspector's Signature

Commissions MA 142-6 National Board, State, Province and Endorsements

Arkwright Ins. Co.

Date 7-271993

As Required by the Provisions of the ASME Code Section XI

and the second second	Edison Company		Date	7/12/93							
	Name										
800 Boy	Iston Street, Boston, M	MA	She	et of1							
Diant Dilarim	Address Nuclear Power Station			Unit #1							
riam <u>rugrim</u>	Name		Un	Unit#1							
Rocky F	Hill Road, Plymouth, N	IA	Va	Various							
	Address			Construction of the state of th	ation P.O. I	No. Job No. etc.					
Work Performe	d by Boston Edison Co	ompany	Тур	e Code Symbol Stamp	N/A						
	Name	19. Sec. 19.		thorization No.	N/A						
Rocky F	lill Road, Plymouth, M	1A	Ex.	piration Date	N/A						
	Address										
Identification o	f System Feedwater										
noonunoo pon o	i System <u>i Condici</u>										
(a) Applicable	Construction Code B31.	1	19 67	Edition, Add	ienda.	Co	de Case				
	Edition of Section XI Utilia	the set of the second sec					we once				
Identification o	f Components Repaired	or Replaced and Re	placement Comp	onents							
the second se											
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired Replaced or Replacement	(Yes				
			Board			Replaced	CODE Stampe				
Component	Manufacturer	Serial No. ADH-1003-	Board No	Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO)				
Component SS-6-10-1**	Manufacturer BP/AD	Serial No. ADH-1003- 1556 ADH-1001-	Board No.	Identification MR 19104857	Built 91/92	Replaced or Replacement Repaired	CODE Stampe (Yes or NO) NO				

7. Description of Work Snubber testing per Procedure 3.M.4-28/Repair Replacement per ASME Code.

8. Tests Conducted: Hydrostatic D Pneumatic Nominal Operating Pressure

Other Pressure\_\_\_\_\_psi Test Temp.\_\_\_\_\_0F

SUUBBER TEST PROCEDURE \$3.M.4-28

NOTE: 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.



9.	Remarks	*=Suubbers	were rebuilt	LA.W.	BECo	Procedures.	Procurement	Engineering	certified ;	applicable

Applicable Manufacturer's Data Reports to be attached

replacement parts for snubbers. Additional snubbers were tested I.A.W. BECo procedures.

\*\*=Spherical bearing installed I.A.W. BECo procedures.

We certify that the statement of the ASME Code, Section XI	CERTIFICATE OF COMI s made in the report are corre	
Type Code Symbol Stamp	N/A	
Certificate of Authorization	N/A	_ Expiration Date
Signed Owner or Owner's Desig	QC Die Mon	Date 7/22, 19 93

### 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 <u>Massachusetts</u> and employed by <u>Factory Mutual Systems</u>\* of <u>Norwood</u>, <u>Massachusetts</u> have inspected the components described in this Owner's Report during the

period <u>*KFO*</u> to \_\_\_\_\_ and state that to be 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 ASME Code, Section XI.

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

10	63 - C.		
	34	11	
	1.8 1	11	
 and the second second	10	for the second	

Commissions MA 1420

Inspector's Signature

National Board, State, Province and Endorsements \*Arkwright Ins. Co.

Date 7-271973

As Required by the Provisions of the ASME Code Section XI

	dison Company Name		Date	<u>07/07/93</u>						
800 Roylet	on Street, Boston,	MA	Ch.							
000 D04151	Address	392.75	She	et of						
Plant Pilorim Ni	iclear Power Statio		Uni	it #1						
	Name	na	UTH UTH	Unit#1						
Rocky Hill	Road, Plymouth,	MA	Va	Various						
	Address			and specific specific the state in the particular product of the state	ation P.O.	No. Job No. etc.				
Work Performed b	y Boston Edison (	Company	Typ	e Code Symbol Stamp						
	Name			thorization No.	and the second design of the second s					
Rocky Hill	Road, Plymouth,	MA		piration Date						
	Address									
Identification of S										
(a) Applicable Cor	struction Code B31	.1	19 80	Edition, Add	ienda,	Co	de Case			
(b) Applicable Edit	tion of Section XI Util	lized for Repairs or R	leplacements 19_	80 Winter 80 Adde	enda					
Identification of C	omponents Repaired	l or Replaced and Re	placement Comp	onents						
				the second						
							4.5.8.85			
			10.0 M							
			National			Renaired	CODE			
Name of	Name of	Manufacturer	National Board	Other	Year	Repaired	CODE Stamp			
Name of Component	Name of Manufacturer	Manufacturer Serial No	1	Other Identification	Year Built	Replaced	CODE Stamps (Yes			
			Board				ASME CODE Stamps (Yes or NO			
Component			Board			Replaced	CODE Stamp (Yes			
	Manufacturer	Serial No	Board No.	Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO			
Component	Manufacturer	Serial No	Board No.	Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO			
Component 13CK-1301-59	Manufacturer Hancock	Serial No	Board No.	Identification MR 19301489	Built 67	Replaced or Replacement Repaired	CODE Stamp (Ves or NO NO			
Component 13CK-1301-59	Manufacturer Hancock	Serial No	Board No.	Identification MR 19301489	Built 67	Replaced or Replacement Repaired	CODE Stamp (Yes or NO NO			
Component 13CK-1301-59	Manufacturer Hancock	Serial No	Board No.	Identification MR 19301489	Built 67	Replaced or Replacement Repaired	CODE Stamp (Yes or NO NO			
Component 13CK-1301-59	Manufacturer Hancock	Serial No	Board No.	Identification MR 19301489	Built 67	Replaced or Replacement Repaired	CODE Stamp (Ves or NO NO			
Component 13CK-1301-59	Manufacturer Hancock	Serial No	Board No.	Identification MR 19301489	Built 67	Replaced or Replacement Repaired	CODE Stamp (Ves or NO NO			
Component 13CK-1301-59	Manufacturer Hancock	Serial No	Board No.	Identification MR 19301489	Built 67	Replaced or Replacement Repaired	CODE Stamp (Ves or NO NO			
Component 13CK-1301-59	Manufacturer Hancock	Serial No	Board No.	Identification MR 19301489	Built 67	Replaced or Replacement Repaired	CODE Stamp (Ves or NO NO			
Component 13CK-1301-59 13CK-1301-47	Manufacturer Hancock	Serial No	Board No.	Identification MR 19301489	Built 67	Replaced or Replacement Repaired	CODE Stamp (Yes or NO NO			

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.

(12/82)

Other

Pressure

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

psi Test Temp.

OF

9. Remarks Replacement bolts were I.A.W. Mfg. requirements, ASTM A193 GR B7, Purchas	ased	Purch	17.	1. 1	GR	1193	1	AST	rements	. re	Mfg.	LA.W.	were	bolts	ement	Replac	Remarks	9.
--	------	-------	-----	------	----	------	---	-----	---------	------	------	-------	------	-------	-------	--------	---------	----

Applicable Manufacturer's Data Reports to be attached

	CATE OF COMPLIANCE
We certify that the statements made in the f the ASME Code, Section XI.	report are correct and this conforms to the rules (Repair or Replacement
ype Code Symbol Stamp <u>N/A</u>	
ertificate of Authorization N/A	Expiration Date

#### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Massachusetts</u> and employed by <u>Factory Mutual Systems</u><sup>\*</sup> of Norwood, Massachusetts have inspected the components described in this Owner's Report during the

period  $\underline{\mathcal{RFO}}$   $\underline{\mathcal{Q}}$  to  $\underline{\mathcal{Q}}$  and state that to be 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 ASME Code, Section XI.

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

Commissions MA 1420

Inspector's Signature

Date 7-27 1993

National Board, State, Province and Endorsements

Arkwright Ins. Co.

As Required by the Provisions of the ASME Code Section XI

Stanton Thoseon I	Edison Company		Date	07/07/93			. Lainean			
500 P	Name	***								
800 Boyl	ston Street, Boston, Address	MA	She	et of						
Plant Pilorim A	Suclear Power Statio	n	Lini	t #1						
The sugress	Name	<u>11</u>		Unit#1						
Rocky Hi	ll Road, Plymouth,	MA	Va	rious						
	Address			Repair Organiza	ation P.O. I	No. Job No. etc.				
Work Performed	by Boston Edison C	ompany		e Code Symbol Stamp						
	Name			horization No.						
Rocky Hi	ll Road, Plymouth,	MA	Exp	piration Date	N/A					
	Address									
identification of	Sustan PHP									
The office and office of the o	cyston <u>terre</u>	the stills we have been as a second second			i san tagananin					
(a) Applicable Co	onstruction Code B31	1	19 67	Edition Add	lenda.		de Case			
	lition of Section XI Util	Canada and a second s	and the second s	1 Appendix (Appendix (Appe	and the second second second		ue case			
(a) opposition as		ized for nepano or n	opiacomonia ro_	ou marci do sua	arua					
Identification of										
	Componente Henstred	or Replaced and Re	placement Comp	mante						
	Components Repaired	or Replaced and Re	placement Compo	onents						
Name of Component	Name of Manufacturer	or Replaced and Re Masufacturer Serial No	placement Compo National Board No.	Other Identification	Year Built	Repaired Replaced or Replacement	CODE Stampe (Yes			
Name of	Name of	Masufacturer	National Board	Other		Replaced	ASME CODE Stampe (Yes or NO NO			
Name of Component	Name of Manufacturer	Masufacturer Serial No. ADH-2001	National Board No	Other Identification	Built	Replaced or Replacement	CODE Stamp (Yes or NO			
Name of Component SS-10-20-08	Name of Manufacturer BP/AD	Masufacturer Serial No. ADH-2001 888 ADH-303	National Board No.	Other Identification MR 19202239	Built 91/92	Replaced or Replacement Replacmeent	CODE Stamp (Yes or NO NO			

Description of Work <u>Removed and replaced Snubber per Procedure 3.M.4-28</u>.

8.	Tests	Conde	ucted:	Hydro	static		Pneur
1947 1	1 . No. 494 21-984	- Sec. 21. 2 20. 2	and the second of the	2.0.9.944.0	- 50 BAR 21 M	the second se	1 110 61

matic Nominal Operating Pressure

Other VI	Pressure	psi Test Temp. 01	1
Ser Art Store Statement	3 -1 -0 -0 -0 - 10 - 10 - 10 - 10 - 10 -	port increasing	

Snubbers are tested I.A.W. BECo Procedure 3.M.4-28.

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.

(12/82)

9. Remarks Snubbers were rebuilt I.A.W. BECo procedures. P.Q.E. certified applicable

CERTIFICATE We certify that the statements made in the repor	OF COMPLIANCE
f the ASME Code, Section XI.	rt are correct and this conforms to the rules Repair or Replacement
Type Code Symbol Stamp <u>N/A</u>	
ertificate of AuthorizationN/A	Expiration Date
	Date 7/22 , 19 93
ligned	

#### 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 Massachusetts and employed by Factory Mutual Systems\* of Norwood, Massachusetts have inspected the components described in this Owner's Report during the

period <u>RF09</u> to \_\_\_\_\_ and state that to be 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 ASME Code, Section XI.

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

Inspector's Signature

Commissions MA 1420

National Board, State, Province and Endorsements

Date 7-271993

· Arkwright Ins. Co.

As Required by the Provisions of the ASME Code Section XI

	Name ton Street, Boston,						
	ton street, Boston,	3.6.4					
Difference &	Address	MA	She	et of			
unt ruorun A	uclear Power Statio	m	Uni	it #1			
	Name			**************************************			
Rocky Hil	ll Road, Plymouth,	MA	M	R 19202229			
	Address			Repair Organi	zation P.O.	No. Job No. etc.	
ork Performed		Company	Тур	e Code Symbol Stam	pN/A		
					Contraction of the second second		
Rocky Hi		MA	Ex	piration Date	N/A		
entification of §	System <u>CRD Vent</u>						
i) Applicable Co	Instruction Code B31	1.1	19 67	Edition, Ad	idenda,	Co	de Case
) Applicable Ed	ition of Section XI Util	ized for Repairs or R	eplacements 19_	80 Winter 80 Add	lenda		
me of mponent	Name of Manufacturer	Manufacturer Serial No	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME CODE Stamp (Yes or NO
5-3-25-12	BP/AD	1-950-17953			91/92	Replacement	NO
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ork Performed <u>Rocky Hil</u> entification of 9 ) Applicatile Co ) Applicatile Ed entification of 0 me of	Address ork Performed by <u>Boston Edison (</u> Name <u>Rocky Hill Road, Plymouth,</u> Address entification of System <u>CRD Vent</u> ) Applicable Construction Code <u>B3</u> ) Applicable Edition of Section XI Util entification of Components Repaired me of <u>Name of</u> <u>Manufacturer</u>	ne of Name Manufacturer Serial No.	Address       Typ         ork Performed by <u>Boston Edison Company</u> Typ         Name       Aut         Rocky Hill Road, Plymouth, MA       Ex         Address       Address         entification of System CRD Vent       19 67         ) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_         entification of Components Repaired or Replaced and Replacement Components for Replaced and Replacement Components Repaired or Replaced and Replacement Component Manufacturer         me of       Name of         Manufacturer       Board         No.       No.	Address       Repair Organi         ork Performed by Boston Edison Company       Type Code Symbol Stamp         Name       Authorization No.         Rocky Hill Road, Plymouth, MA       Expiration Date         Address       Expiration Date         entification of System CRD Vent       Edition,Ad         ) Applicable Construction Code B31.1       19.67       Edition,Ad         ) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_80       Winter 80 Add         entification of Components Repaired or Replaced and Replacement Components       Manufacturer         me of mponent       Name of       Manufacturer         Manufacturer       Serial No       No       Uther Identification	Address       Repair Organization P.O.         ork Performed by <u>Boston Edison Company</u> Name       Type Code Symbol Stamp N/A         Name       Authorization No. N/A         Rocky Hill Road, Plymouth, MA       Expiration Date N/A         Address       Address         entification of System CRD Vent       N/A         ) Applicable Construction Code B31.1       19 67       Edition, Addenda, Addenda         ) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_80       Winter 80 Addenda         entification of Components Repaired or Replaced and Replacement Components       Year         me of mponent       Name of Manufacturer       National Board       Other       Year         Manufacturer       Serial No       No       Identification       Built	Address     Repair Organization P.O. No. Job No. etc.       ork Performed by Boston Edison Company     Type Code Symbol Stamp N/A       Name     Authorization No.     N/A       Rocky Hill Road, Plymouth, MA     Expiration Date     N/A       Address     Authorization Date     N/A       entification of System CRD Vent     Expiration Date     N/A       ) Applicable Construction Code B31.1     19.67     Edition, Addenda, Components       () Applicable Edition of Section XI Utilized for Repairs or Replacements 19_80     Winter 80 Addenda       entification of Components Repaired or Replaced and Replacement Components     Repaired       me of     Name of     Manufacturer     Serial No     Other     Year     Repaired       me of     Manufacturer     Serial No     No     Identification     Built     Replaced

8. Tests Conducted: Hydrostatic D Pneumatic Nominal Operating Pressure

Other Pressure psi Test Temp. OF

Snubbers are tested I.A.W. Procedure 3.M.4-28.

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.

12/82)

h	Remarks	Snubbers	were rebi	ilt I.A.W	. BECo	Procedures	. P.O.E.	. certified	applicable	replacement

			Applicable Manufacturer's Data Reports to be attached	
parts	for snubbers.	Additional	snubbers were tested I.A.W. BECo procedures.	

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and thiseonforms to the r of the ASME Code, Section XI. Repair or Replacement	
of the ASME Code, Section AI. Repair or Reparement	e rules
Type Code Symbol Stamp N/A	
Certificate of Authorization N/A Expiration Date	

#### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Massachusetts</u> and employed by <u>Factory Mutual Systems</u>\* of <u>Norwood, Massachusetts</u> have inspected the components described in this Owner's Re port during the period <u>RFO</u> to <u>and state that to be best of my knowledge and belief, the Owner has</u>

performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

. 11	- KA .	11	17	
- W.	184	the	K	

Commissions MA 1420

Inspector's Signature

· Arkwright Ins. Co.

National Board, State, Province and Endorsements

Date 7-25/1993

(12/82)

15

As Required by the Provisions of the ASME Code Section XI

	Edison Company		Dat	e 07/07/93			
	Name						
800 Boyl	ston Street, Boston,	MA	She	et 1 of 1			
	Address						
Plant Pilgrim !	Nuclear Power Statio	n	Un	iit#1			
	Name						
Rocky H	ill Road, Plymouth, !	MA	V	arious			
	Address		11.11.2			No. Job No. etc.	
Work Performed	by Boston Edison C	ompany		e Code Symbol Stamp			
Posta U	Name	44		thorization No.	and the second se		
<u>ROCKY III</u>	<u>Address</u>	MA	E3	piration Date	N/A	terrent of these states in the solution	
	Address						
Identification of	System Recirculatio	n System					
, inclusive anon or	System Recutation	u System				nerterrer i Streinensernerner	
(a) Analizable (*	onstruction Code B31.		10.00	Prototo and			
		and the second	19.67	Edition, Add	Contraction of the second second	Co	de Case
(b) Applicable Er	dition of Section XI Utili	zed for Repairs or R	eplacements 19	80 Winter 80 Adde	enda		
(a) obbiinging ru	and of poston a gain	Lou for nopens of n	opiacements 15	oo mane po muu			
Identification of	Components Depaired	er Deplered and De	ale and the former				
identification of	Components Repaired	or Replaced and Re	placement Comp	onents			
	T		1				
			6.0343.0				ASME
			N. S. B. M.				CODE
			National			Repaired	Stamp
			1	0.4			
Name of	Name of	Manufacturer	Board	Other	Year	Replaced	(Yes
Name of Component	Name of Manufacturer	Manufacturer Serial No.	No.	Other Identification	Year Built	or Replacement	1. 7. 5. 6
		Serial No. ADH-2001					1. 7. 1944
Component	Manufacturer	Serial No.		Identification	Built	or Replacement	or NO
Component	Manufacturer	Serial No. ADH-2001		Identification	Built	or Replacement	or NO
Component SS-2-20-25	Manufacturer BP/AD	Serial No. ADH-2001 888		Identification MR 19202233	Built 91/92	or Replacement	or NO
Component SS-2-20-25	Manufacturer BP/AD	Serial No. ADH-2001 888 ADH-3003		Identification MR 19202233	Built 91/92	or Replacement	or NO
Component SS-2-20-25	Manufacturer BP/AD	Serial No. ADH-2001 888 ADH-3003		Identification MR 19202233	Built 91/92	or Replacement	or NO
Component SS-2-20-25	Manufacturer BP/AD	Serial No. ADH-2001 888 ADH-3003		Identification MR 19202233	Built 91/92	or Replacement	or NO
Component SS-2-20-25	Manufacturer BP/AD	Serial No. ADH-2001 888 ADH-3003		Identification MR 19202233	Built 91/92	or Replacement	or NO
Component SS-2-20-25 SS-2-30-07	Manufacturer BP/AD BP/AD	Serial No. ADH-2001 888 ADH-3003 412	No.	Identification MR 19202233 MR 19202232	Built 91/92	or Replacement	or NO
Component SS-2-20-25 SS-2-30-07	Manufacturer BP/AD	Serial No. ADH-2001 888 ADH-3003 412	No.	Identification MR 19202233 MR 19202232	Built 91/92	or Replacement	or NO
Component SS-2-20-25 SS-2-30-07 Description of V	Manufacturer BP/AD BP/AD	Serial No. ADH-2001 888 ADH-3003 412 placed snubbers	No.   per procedure :	Identification MR 19202233 MR 19202232 MR 19202232 3.M.4-28.	Built 91/92	or Replacement	or NO
Component SS-2-20-25 SS-2-30-07 Description of V	Manufacturer BP/AD BP/AD	Serial No. ADH-2001 888 ADH-3003 412 placed snubbers	No.   per procedure :	Identification MR 19202233 MR 19202232 MR 19202232 3.M.4-28.	Built 91/92	or Replacement	or NO
Component SS-2-20-25 SS-2-30-07 Description of V	Manufacturer BP/AD BP/AD Work <u>Removed and re</u>	Serial No. ADH-2001 888 ADH-3003 412 epfaced snubbers Pneumatic No	No.	Identification           MR 19202233           MR 19202232           MR 19202232           3.M.4-28.	Built 91/92 91/92	or Replacement	or NO
Component SS-2-20-25 SS-2-30-07 Description of V Tests Conducte	Manufacturer BP/AD BP/AD Work <u>Removed and re</u> od: Hydrostatic I Other I F	Serial No. ADH-2001 888 ADH-3003 412 eplaced snubbers Pneumatic No ressure	No.	Identification MR 19202233 MR 19202232 MR 19202232 3.M.4-28.	Built 91/92 91/92	or Replacement	or NO
Component SS-2-20-25 SS-2-30-07 Description of V Tests Conducte	Manufacturer BP/AD BP/AD Work <u>Removed and re</u>	Serial No. ADH-2001 888 ADH-3003 412 eplaced snubbers Pneumatic No ressure	No.	Identification           MR 19202233           MR 19202232           MR 19202232           3.M.4-28.	Built 91/92 91/92	or Replacement	or NO

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

recorded at the top of this form.

9.	Remarks Snubi.	ouilt LA.W.	BECO	procedures.	P.Q.E.	certified applicable replacement	
----	----------------	-------------	------	-------------	--------	----------------------------------	--

	Applicable .	Manufacturer's	s Data Reports to be	attached
 Mathematic states in the second states and	and the second second	3 F & 3 FT FLFT	A	

parts for snubbers. \_\_\_\_\_\_\_ditional snubbers were tested I.A.W. BECo procedures.

E OF COMPLIANCE rt are correct and thisconforms to the rules	CERTIFICATE We certify that the statements made in the repo
Repair or Replacement	of the ASME Code, Section XI.
	Type Code Symbol Stamp <u>N/A</u>
Expiration Date	Certificate of Authorization N/A
10 Mon Date 7/22 .19 93	signed Schore QCD
10 MGn_ Date /22_	Signed Albert QCD Owner or Owner's Designed, 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 or Province of <u>Massachusetts</u> and employed by <u>Factory Mutual Systems</u><sup>\*</sup> of <u>Norwood</u>, <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period <u>RF0.9</u> to <u>\_\_\_\_</u> and state that to be 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 ASME Code, Section XI.

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

NAR

Commissions MA 1420

Inspector's Signature

National Board, State, Province and Endorsements

Date 7-2719 93

- Arkwright Ins. Co.

As Required by the Provisions of the ASME Code Section XI

Ottiller Doston	Edison Company		Date	07/07/93			
800 P.ml	Name ston Street, Boston,	3.6.4					
000 0091	Address	MA	She	et of	1		
Plant Pilgrim	Nuclear Power Statio	m	Uni	t #1			
	Name			· and a second sec			
Rocky Hi	ill Road, Plymouth,	MA	Va	rious			
	Address			Repair Organiza	ation P.O.	No. Job No. etc.	
Work Performed	by Boston Edison (	Company		e Code Symbol Stamp			
	Name			thorization No.			
Rocky Hi	ill Road, Plymouth, Address	MA	Exp	piration Date	N/A	-	
Identification of	System HPCI						
(a) Applicable C	onstruction Code B31	.1	19.67	Edition, Add	ienda,	Co	de Case
(b) Applicable Er	dition of Section XI Util	ized for Repairs or R	eplacements 19_	80 Winter 80 Adde	enda		
Identification of	Components Repaired	or Replaced and Re	placement Compo	onents			
Identification of Name of Component	Components Repaired Name of Manufacturer	or Replaced and Re Manufacturer Serial No.	placement Compo National Board No.	Other Identification	Year Built	Repaired Rep <sup>1</sup> ed or Replacement	(Yes
Name of	Name of	Masufacturer	National Board	Other		Rep! ~ed	CODE Stampe
Name of Component	Name of Manufacturer	Manufacturer Serial No. ADH-2001	National Board No.	Other Identification	Built	Rep! ~ed or Replacement	CODE Stampe (Yes or NO)
Name of Component SS-23-20-37	Name of Manufacturer BP/AD	Manufacturer Serial No. ADH-2001 888 ADH-1001	National Board No.	Other Identification MR 19202231	Built 91/92	Rep!~~ed or Replacement Replacement	CODE Stampe (Yes or NO) NO

7. Description of Work Removed and replaced snubber per Procedure 3.M.4-28.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure

Other Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ o F

Snubbers are tested I.A.W. #3.M.4-28.

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.

Applicable	Manster	discourt.	· Thata	Don	A 44. 100 -	the artes	Sugar
Add Action Paciety	SAX PALANETTER	19987-07.1	o screene	we're	11.80 451.1	CLC: TREATER	1.745.64

			-
		ATE OF COMPLIANCE	
We certify that the statements	made in the re	eport are correct and this conforms to the ru	law
		Repair or Replacement	ICS
of the ASME Code, Section XI.			ICS
of the ASME Code, Section XI. Type Code Symbol Stamp	N/A N/A	Repair or Replacement Expiration Date	105
of the ASME Code, Section XI. Type Code Symbol Stamp Certificate of Authorization Signed	N/A N/A	Repair or Replacement	105

### 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 Massachusetts and employed by Factory Mutual Systems\* of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period RF0 9 to - and state that to be 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 ASME Code, Section XI.

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

Inspector's Signature Commissions MA 142-0 National Board, State, Province and Endorsements Date 7-271973

·Arkwright Ins. Co.

As Required by the Provisions of the ASME Code Section XI

Owner <u>Doston</u>	Edison Company Name		Date	1-15-93					
800 Ravi	800 Boylston Street, Boston, MA Address Plant <u>Pilgrim Nuclear Power Station</u> Name <u>Rocky Hill Road, Plymouth, MA</u> Address			Sheet 1 of 1 Unit #1 MR 19201590					
Plant Pilgrim									
Rocky H									
				Repair Organi	zation P.O.	No. Job No. etc.			
Work Performed	by Boston Edison C		e Code Symbol Stam						
	Name			horization No.					
Rocky H	ill Road, Plymouth, ) Address	MA	Exp	piration Date	N/A				
Identification of	System Main Steam								
(a) Applicable C	onstruction Code ASM	AE HI, Class #1	19.68	Edition, Ad	idenda,	Co	de Case		
(b) Applicable E	dition of Section XI Utili	zed for Repairs or R	eplacements 19	80 Winter 80 Add	lenda				
Identification of	<b>Components Repaired</b>	or Replaced and Re	placement Compo	onents					
Identification of	Components Repaired	or Replaced and Re	placement Compo	onents		,			
Name of	Components Repaired Name of Manufacturer	or Replaced and Re Manufacturer Serial No	placement Compo National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME CODE Stampe (Yes or NO)		
Identification of Name of Component RV-203-3C	Name of	Manufacturer	National Board	Other	and the second sec	Replaced	CODE Stampe (Yes		
Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No	Other Identification	Built	Replaced or Replacement	COD Stam (Yes or N		

Removed MSKV Phot Assempty and shipped to avgie Lab for Testing

8. Tests Conducted. Hydrostatic Pneumatic Nominal Operating Pressure

Other Pressure 1100 psi Test Temp. AMB

The safety relief valve set pressure was calibrated when rebuilt by Wyle Labs per Technical Specifications. No additional testing was required.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2 in. x 11 in. (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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

OF

9.	Remarks	The MSRV	Pilot	Assembly	was	rebuilt a	and 1	tested by	Wyle	Labs,	approv	ed	vendor	and i	n

Applicabl cordance with PNPS Technical Specifications.	e Manufacturer's Data Reports to be attached
fordance with FATS reconcal specifications.	
	and the states and the states of the states
	E OF COMPLIANCE
of the ASME Code, Section XI.	ort are correct and this conforms to the rules Repair or Replacement
Type Code Symbol Stamp <u>N/A</u>	
Certificate_of Authorization N/A	Expiration Date
DCIII	
	18/3 mm / mere
	Div Mon Date 7/22, 1993
Owner or Owner's Designed, Title	Div Mon Date 7/22, 19 95

#### 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 Massachusetts and employed by Factory Mutual Systems\* of Norwood, Massachusetts have inspected the components described in this Owner's Report during the

period 1-15-93 to - and state that to be best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described ia this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Inspector's Signature Commissions MA 142-0 National Board, State

Date 7-2719 93

National Board, State, Province and Endorsements

\*Arkwright Ins. Co.

As Required by the Provisions of the ASME Code Section XI

	Edison Company Name		Date	-1/29/93						
800 Boyl	Iston Street, Boston, M	ИА	She	et 1 of	1					
	Address									
Plant Pilgrim	Nuclear Power Station	1	Uni	Unit#1						
Name <u>Rocky Hill Road, Ptymouth, MA</u> Address				MR 19201585 Repair Organization P.O. No. Job No. etc.						
										Work Performed
	Name			thorization No.						
Rocky H	<u>ill Road, Plymouth, N</u> Address	1A	Ex	piration Date	N/A					
	dition of Section XI Utiliz				lenda					
			National				ASME			
Name of Component	Name of Manufacturer	Manufacturer Serial No	Board No.	Other Identification	Year Built	Repaired Replaced or Replacement	Stampe (Yes or NO			
						Replaced	Stamp (Yes			
omponent	Manufacturer	Serial No	No.	Identification	Built	Replaced or Replacement	Stamp (Yes or NO			

R 7	Acto.	Contin	ctarly H	ydrostatic	A 1 1
1967	and the second	STOP I SHOW	ATANI 11	A out on montered	" "second

Pneumatic Nominal Operating Pressure

	-t-		
Other	V	Pressure	

psi Test Temp. OF

SRV set pressure test and calibration are performed every other operating cycle at Wyle Labs, per Technical Specifications. No additional testing is required.

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.

9. Remarks Removed SRV (S/N #6262) and shipped to Wyle Labs for testing/overhaul.

Applicable Manufacturer's Data Reports to be attached

COMPLIANCE correct and thisconforms to the rules Repair or Replacement
Expiration Date

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Massachusetts and employed by Factory Mutual Systems\* of

Norwood, Massachusetts have inspected the components described in this Owner's Report during the period <u>RF09</u> to \_\_\_\_\_ and state that to be 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 ASME Code, Section XI.

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

Commissions MA 1420

Inspector's Signature

. Arkwright Ins. Co.

National Board, State, Province and Endorsements

Date 7-2719.93

As Required by the Provisions of the ASME Code Section XI

	n Edison Company		Date	e <u>4-8-93</u>						
	Name									
800 Bo	ylston Street, Boston,	MA	She	et of						
Direct Billening	Address									
. Plant <u>rugrim</u>	Nuclear Power Statio	<u>n</u>	Un	Unit#1						
Rocky	Hill Road, Plymouth,	MA	M	R 19300764						
	Address	TACA.		of the second state of the	zation P ()	No. Job No. etc.				
. Work Performe	ed by Boston Edison C	ompany	Typ	e Code Symbol Stam						
	Name			thorization No.						
Rocky I	Hill Road, Plymouth,	MA	Ex	piration Date	N/A					
	Address									
. Identification of	of System MO-1306-61	Bonnet Replacem	ent (RCIC)							
					***********					
	Construction Code AS!	and the second sec	86 Edition,			Code Case				
(b) Applicable	Edition of Section XI Util	ized for Repairs or Re	eplacements 19_	80 Winter 80 Add	lenda					
. Identification d	of Components Repaired	or Heplaced and Hep	placement Comp	onents						
1997 - 1997 - 19.		1	1			1				
							ASME			
	해외에 안 안 많이 봐.	1 - S. A. S. S. S.	Kashara (2014)	1022-1672			CODE			
	이 이 이 가 가 잘 잘 했다.		National			Repaired	Stamp			
Name of	Name of	Manufacturer	Board	Other	Year	Replaced	(Ves			
Component	Manufacturer	Serial No	No.	Identification	Built	or Replacement	or NO			
Bonnet and S	tem Conval	-				Replacement	NO			
	이 이 가 방법을 수 있다.									
	이 옷을 가지 않는다.		1.000		1.					
	이 한 도 안 도 안 할 수 있다.									
					1.1.1					
a provinsio de la companya de altre esp			1	and a second	1	1				
	Work Bonnet and ste	em replacement pe	r FRN 92-43-06	*						
<ul> <li>Description o</li> </ul>	T TO AN A A STATE OF A STATE OF A	and reprinter per	· · · · · · · · · · · · · · · · · · ·		1997 - Albert Albert 1997 - 1997	an da ang kang kang tang kang kang kang kang kang kang kang k				
7. Description o	cted: Hydrostatic	Pneumatic No	minal Operating	Pressure Inse	rvice leak	check. No leakag	e noted			
			21.11.12 <sup>1</sup>							
				si Test Temp.	0.F					
		Pressure								
		Pressure	P							
	Other									
	Other	n form of lists, sketcf	hes, or drawings	may be used, provide						
8. Tests Conduc	Other D	n form of lists, sketch 6 on this report is in	hes, or drawings	may be used, provide						
8. Tests Conduc	Other	n form of lists, sketch 6 on this report is in	hes, or drawings	may be used, provide						
8. Tests Conduc	Other D Supplemental sheets i tion in items 1 through recorded at the top of t	n form of lists, sketct 6 on this report is in this form.	hes, or drawings cluded on each s	may be used, provide	eet is num	ered and the numb	er of she			

<ol> <li>Remarks Work complete bonnet &amp; stem replaced per MR 1930076</li> </ol>	4 and FRN 92-43-06.
---	---------------------

Applicable Manufacturer's Data Reports to be attached

	CATE OF COMPLIANCE
We certify that the statements made in the of the ASME Code, Section XI.	e report are correct and this conforms to the rules Repair or Replacement
of the ASME Code, Section XI.	

### 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 Massachusetts and employed by Factory Mutual Systems\* of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period RFO 9 to \_\_\_\_\_ and state that to be 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 ASME Code, Section XI.

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

Inspector's Signature

Commissions MA 1420

National Board, State, Province and Endorsements

Date 7-27 1993

Arkwright Ins. Co.

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

Owner DOSION	Edison Company		Dat	e 10-29-92	****		
800 Bo	Name Iston Street, Boston,	464	C	et_1of	1		
000 D0y	Address	/11/1	5/16				
Plant Pilgrim	Nuclear Power Statio	m	Un	it #1			
	Name						
Rocky H	lill Road, Plymouth,	MA	M	ir 19202992			
	Address					No. Job No. etc.	
Work Performe	d by <u>Boston Edison (</u>	ompany		e Code Symbol Stam			
Rochy F	Name Iill Road, Plymouth,	MA		thorization No.			
AUCKY D	Address	392.73	Ex	piration Date	N/A		
Identification o	f System RBCCW						
	Construction Code B31	and the second se		Edition, Ar		Co	de Case
(b) Applicable B	Edition of Section XI Util	ized for Repairs or R	leplacements 19_	80 Winter 80 Add	ienda		
Identification o	f Components Repaired	or Replaced and Re	placement Comp	onents			
Identification o	f Components Repaired	or Replaced and Re	placement Comp	onents			
Identification o	f Components Repaired	or Replaced and Re	placement Comp	onenis	1		ASME
Identification o	f Components Repaired	or Replaced and Re	placement Comp	onenis			ASME
			National			Repaired	CODE Stampe
Name of	Name of	Manufacturer	National Board	Other	Year	Replaced	CODE Stampe (Yes
			National		Year Built		CODE Stampe
Name of	Name of	Manufacturer	National Board	Other	Built	Replaced or Replacement	CODE Stampe (Yes or NO)
Name of Component P-202D	Name of	Manufacturer Serial No.	National Board	Other Identification		Replaced	CODE Stampe (Yes
Name of Component P-202D	Name of	Manufacturer Serial No.	National Board	Other Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO)
Name of Component P-202D	Name of	Manufacturer Serial No.	National Board	Other Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO)
Name of Component P-202D	Name of	Manufacturer Serial No.	National Board	Other Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO)
Name of Component P-202D	Name of	Manufacturer Serial No.	National Board	Other Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO
Name of Component P-202D	Name of	Manufacturer Serial No.	National Board	Other Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO)
Name of Component P-202D	Name of	Manufacturer Serial No.	National Board	Other Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO)
Name of Component P-202D	Name of	Manufacturer Serial No.	National Board	Other Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO)
Name of Component	Name of	Manufacturer Serial No.	National Board	Other Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO)
Name of Component P-202D	Name of	Manufacturer Serial No.	National Board	Other Identification	Built	Replaced or Replacement	CODE Stampe (Yes or NO)

8. Tesis Conducted: Hydrostatic D Pneumatic Nominal Operating Pressure No test required.

Other Pressure psi Test Temp. OF

NOTE: 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.



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

Remarks U-bolt replaced. No other work performed. 0.

Applicable Manufacturer's Data Reports to be attached

CERTIFI We certify that the statements made in the of the ASME Code, Section XI.	ATE OF COMPLIANCE report are correct : d this conforms to the rule Repair or Replacemen	es
Type Code Symbol Stamp <u>N/A</u>		
Certificate of Authorization N/A Signed	Div Mon Date 7/22, 19 93	

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the Nationai Board of Boiler and Pressure Vessel Inspectors and the State or Province of Massachusetts and employed by Factory Mutual Systems\* of

Norwood, Massachusetts have inspected the components described in this Owner's Report during the period \_\_\_\_\_\_ no \_\_\_\_\_ and state that to be 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 ASME Code, Section XI.

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

N. YEL

Commissions MA 1424

National Board, State, Province and Endorsements

Arkwright Ins. Co.

Date 7-2719 /3

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

Child 200MUN	Edison Company Name		Date	11-14-92			1		
800 Boyl	ston Street, Boston,	MA	She	et 1 of	1				
	Address								
. Plant Pilgrim	Nuclear Power Statio	n	Uni	t#1					
	Name								
Rocky Hi	ill Road, Plymouth,	MA	M	R 19200045					
	Address		12.16.16			No. Job No. etc.			
. Work Performed	by <u>Boston Edison C</u> Name	ompany		e Code Symbol Stam					
Pochy H	ill Road, Plymouth,	14.4		horization No.					
NOCKY III	Address	MA	EX	piration Date	N/A				
. Identification of	System Core Spray								
	onstruction Code ASI	second substantial and substantial states of the second		And the state of the second se	idenda,	Co	de Case		
(b) Applicable Ed	dition of Section XI Utili	zed for Repairs or R	leplacements 19	80 Winter 80 Add	ienda				
Identification of	Components Repaired	or Replaced and Re	placement Com <sub>p</sub>	linents					
Name of Component	Components Repaired Name of Manufacturer	or Replaced and Re Manufacturer Serial No	placement Comp National Board No.	Other Identification	Year Built	Repaired Replaced or Replacement	CODE Stamps (Yes		
Name of	Name of	Manufacturer	National Board	Other		Replaced	ASME CODE Stampe (Yes or NO NO		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Built	Replaced or Replacement	CODE Stamp (Yes or NO		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Built	Replaced or Replacement	CODE Stamp (Yes or NO		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Built	Replaced or Replacement	CODE Stamp (Yes or NO		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Built	Replaced or Replacement	CODE Stamp (Yes or NO		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Built	Replaced or Replacement	CODE Stamp (Yes or NO		

Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure No test required. Performed VT-3 Inspection (Data Sheet VT-14-92023). Other Pressure psi Test Temp. • F

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.

(12/82)

8.

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

). Remarks Re	ework completed per	NCR 92-69 disposition.	N.E.D. recommende	d replacement of	f parts	(cotter pin,
---------------	---------------------	------------------------	-------------------	------------------	---------	--------------

Applicable Manufacturer's Data Reports to be attached spherical bushing, belvill washer). See MR 19200045 for MRIRs and details.	

We certify that the statemen of the ASME Code, Section X		he report are corr	ect and this Repair or Replac	conforms to the rules cement
fype Code Symbol Stamp	N/A			
Certificate of Authorization_	N/A		Expiration Date	
signed Albace	QC	Div Man	Date 7/22	.19 23

### 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 Massachusetts and employed by Factory Mutual Systems\* of Norwood, Massachasetts have inspected the components described in this Owner's Report during the

period \_\_\_\_\_\_ to \_\_\_\_\_ and state that to be 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 ASME Code, Section XI.

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

Inspector's Signature

Commissions MP 1420

. Arkwright Ins. Co.

National Board, State, Province and Endorsements

Date 7-2719 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

. Cowner <u>BOSION</u>	Edison Company Name		Da	te <u>11-12-92</u>			
800 Boyl	ston Street, Boston,	MA	Si	eet 1 of	1		
	Address						
. Plant Pilgrim	Nuclear Power Statio	n	U	nit#1			
Dealer H	Name			ED 10400522			
KOCKY H	ill Road, Plymouth, Address	MA		MR 19200046		No. Job No. 14	
Work Performen	by Boston Edison C	ommony	Ty	pe Code Symbol Stam		No. Job No. etc.	
	Name			uthorization No.	2. 1		
Rocky H	ill Road, Plymouth,	MA		xpiration Date			
	Address						
Literation of a second	DUD						
Identification of	System KIK						-
(a) Applicable C	onstruction Code B31	.1	1967	Edition. A	ddenda.	- Co	de Case
	dition of Section XI Util	and the lost of the second s	And a second sec	And the second sec	and the second sec		ac case
Identification of	Components Repaired	or Replaced and Re	placement Com	ponents			
	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-						
		12,656,155	100000				ASME
			Charles St.	110-22-03			CODE
	Number		National			Repaired	Stampe
Name of Component	Name of Manufacturer	Manufacturer Serial No	Board	Other Identification	Year Built	Replaced	(Yes
component		SPCE MAX 1940	140.	FORMAR AGOD	Duin	or Replacement	or NO)
HH-10-1-102S						Repaired	NO
						Repaired	
			1.11.12			A Contractor	
			1.44.4				
							1.1
			******	**************************************		al simon an eres sin eres and	
Description of	Work Repaired supp	ort per NCR 92-94	4 rework dispo	sition, per MR 1920	0046		
		. n.					
. Tests Conduct	ed: Hydrostatic	Pneumatic No					
				erformed a VT-3 Visual		(Data Sheet VI-10-	92045).
	Other	Pressure		psi Test Temp	0 F		
	Winner and a state of the second of the	n form of lists, sketo	hes, or drawings	may be used, provide			
NOTE:							
NOTE:	tion in items 1 through	6 on this report is in	ncluded on each	sheet, and (3) each sh	eet is numt	ered and the numb	er of she
NOTE:		6 on this report is in	ncluded on each	sheet, and (3) each sh	eet is numt	ered and the numb	er of she

9. Remarks Reworked per NCR 92-94 disposition. Work included: rework of welds, bushings & re-snub

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, hold...g a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Massachusetts</u> and employed by <u>Factory Mutual Systems</u><sup>\*</sup> of <u>Norwood</u>, <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period <u>//-/2 - 92</u> to <u>\_\_\_\_</u> and state that to be 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 ASME Code, Section XI.

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

N. Vana	371	4.7		
NI KUN IN MT	44	S.C.M.		100
	$(M, \mathcal{A})$	A Cat.	12 4	G -

Commissions MA 142-6

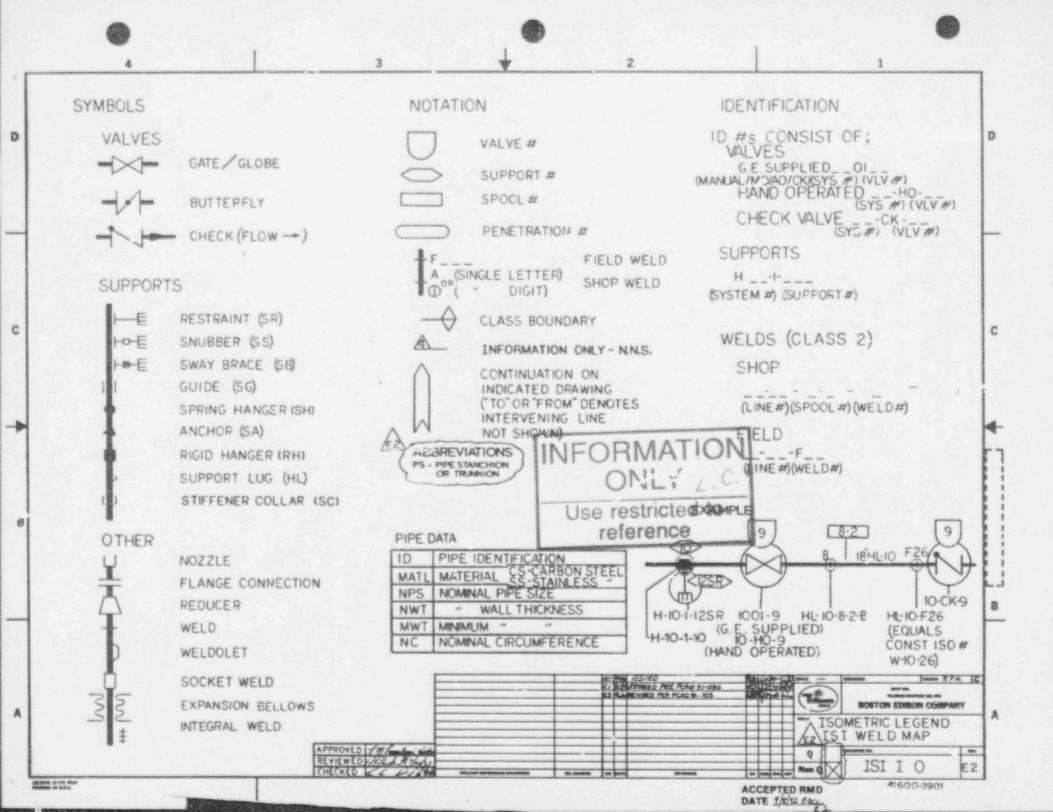
Inspector's Signature"

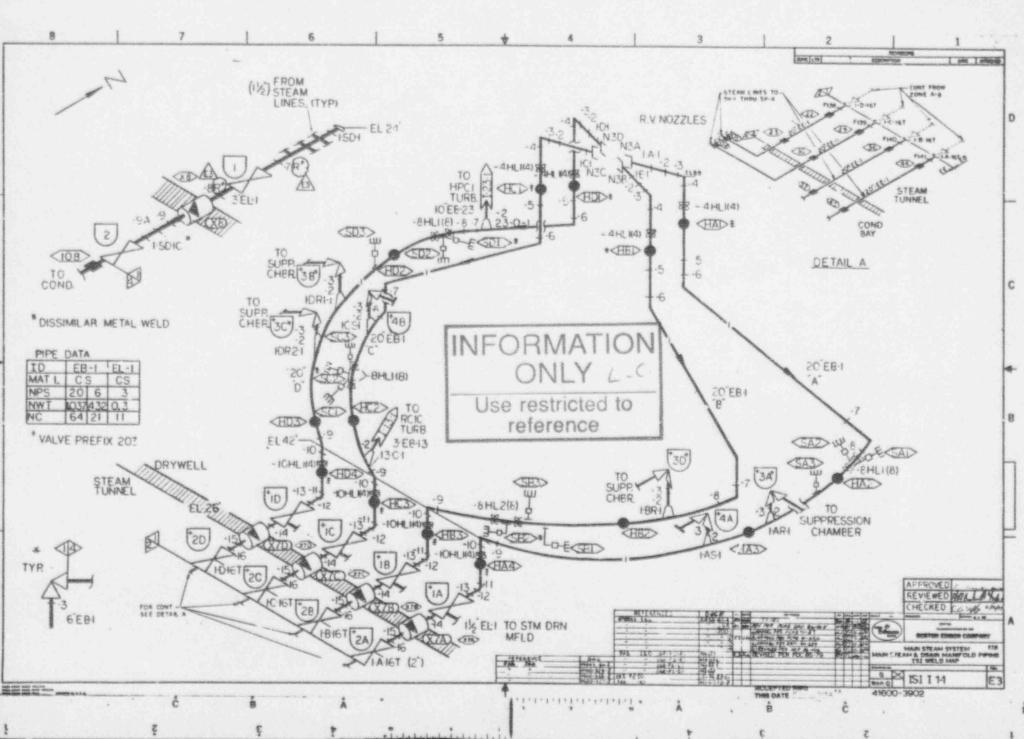
+Arkwright Ins. Co.

National Board, State, Province and Endorsements

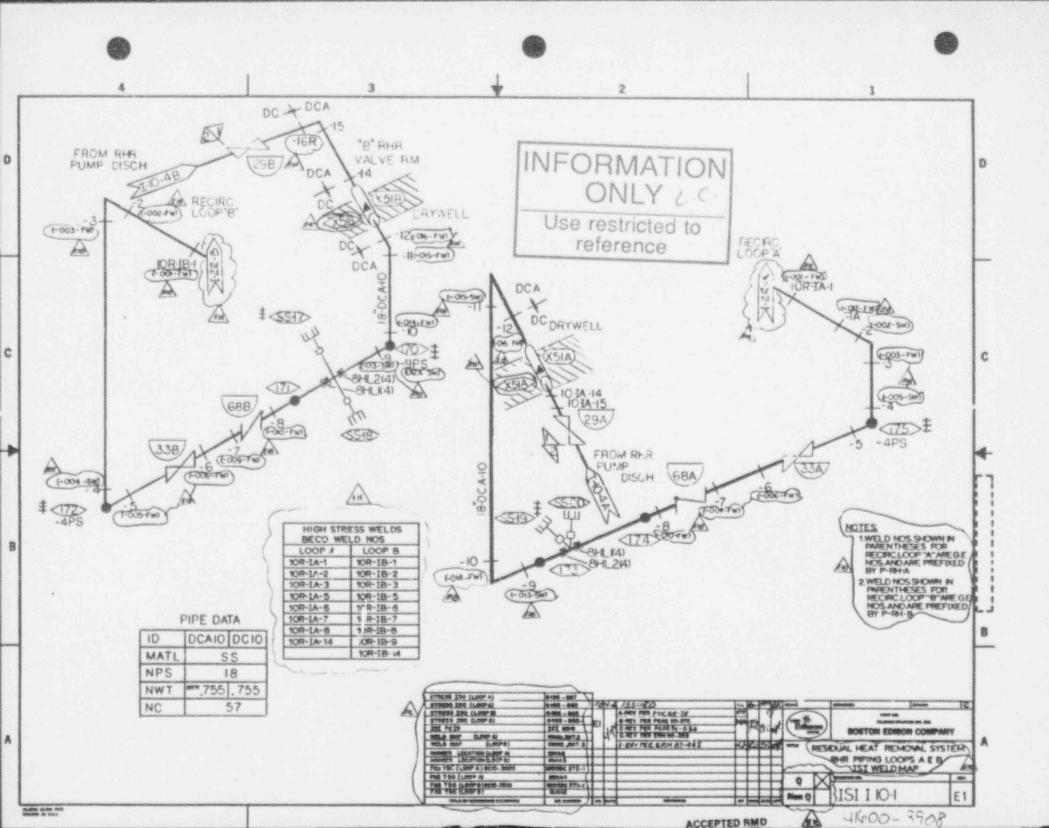
Date 7-27 19 93

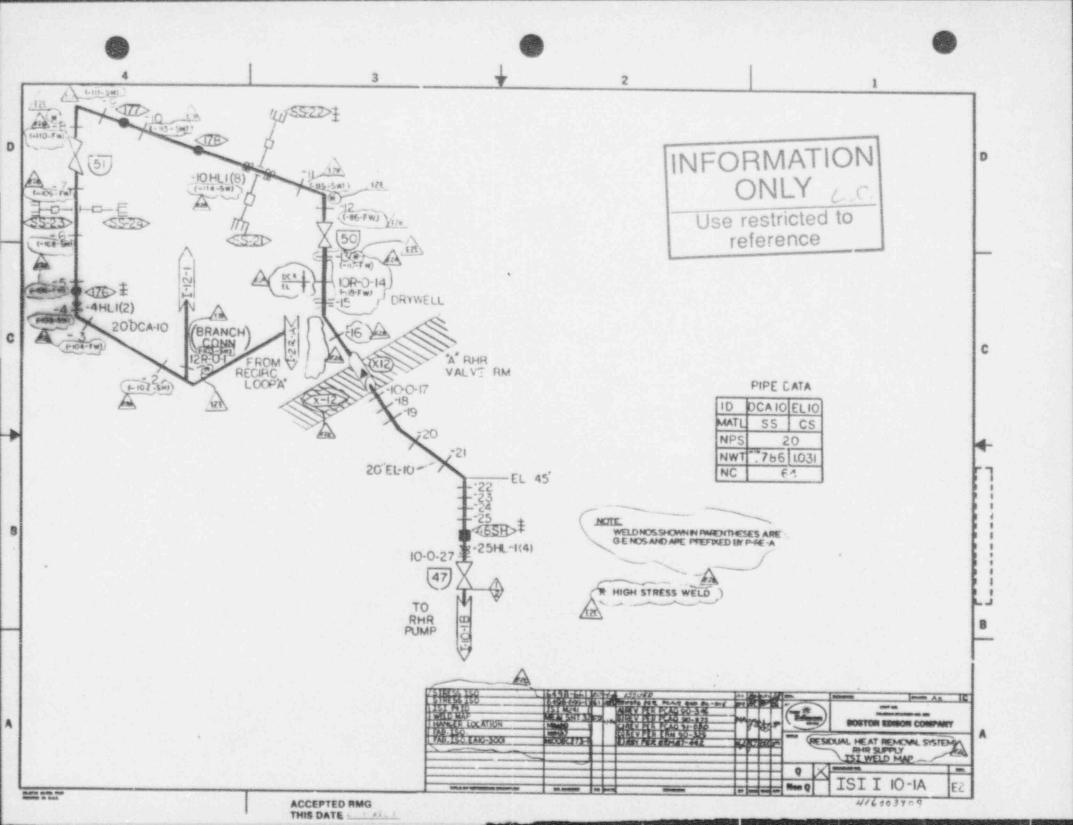
# SECTION 3.0 ISI ISOMETRIC DRAWINGS

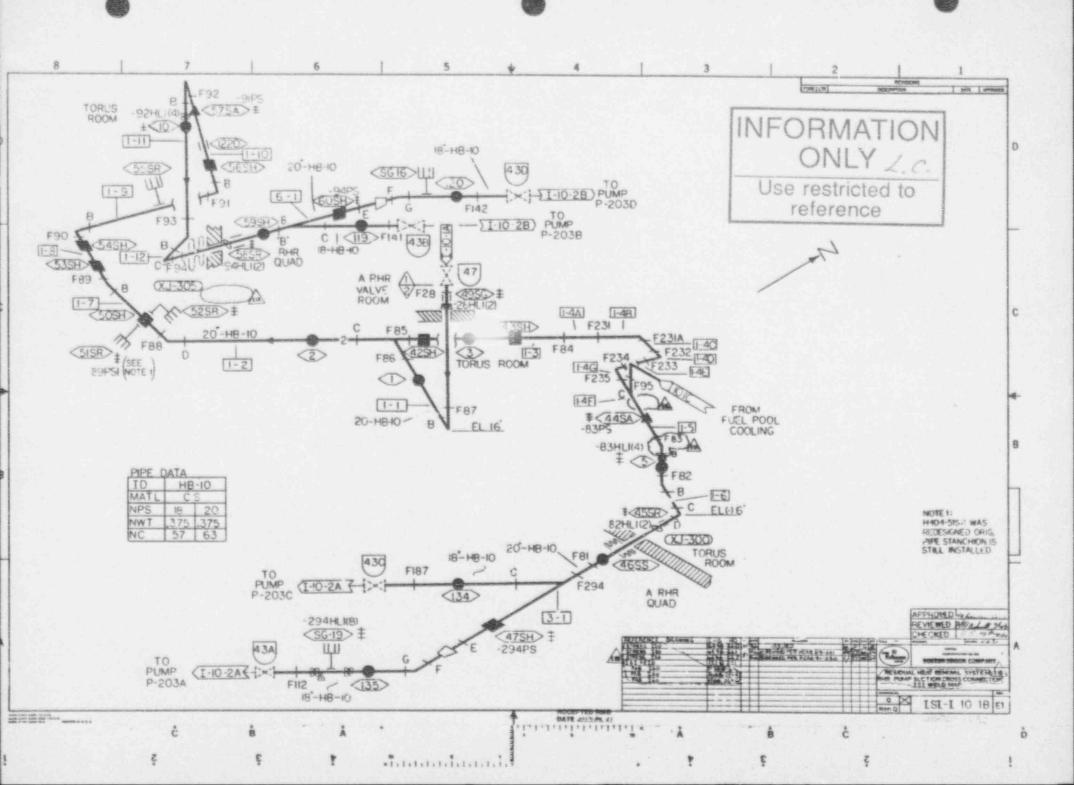




in



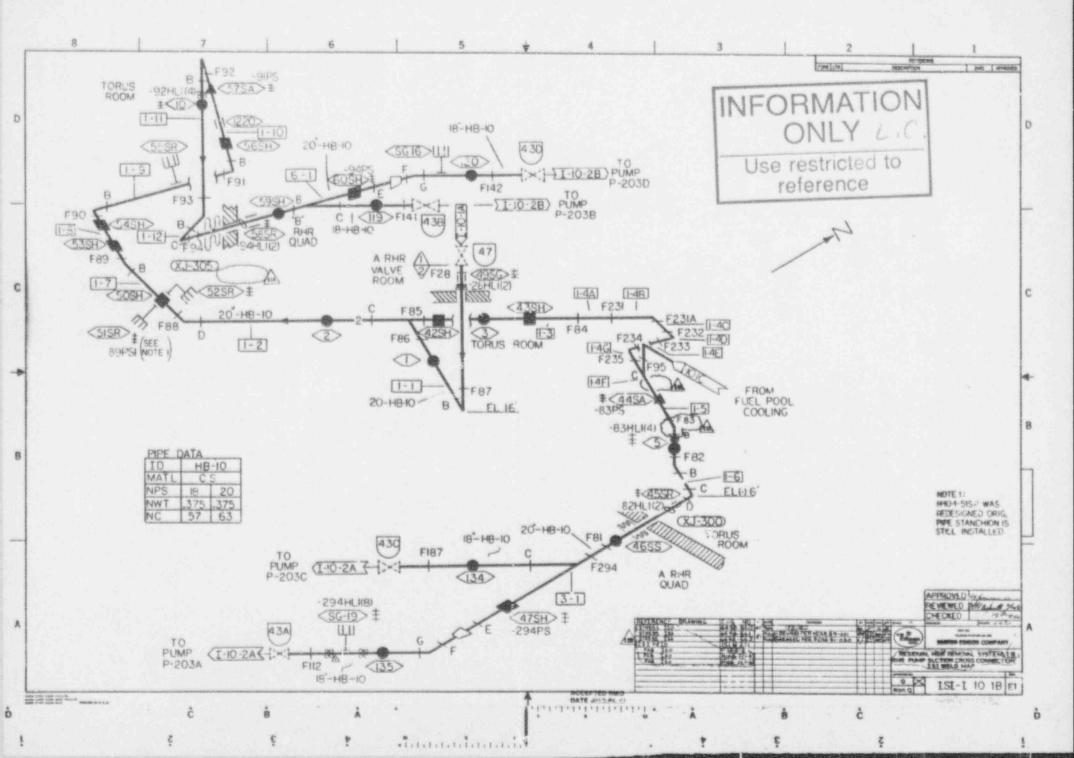


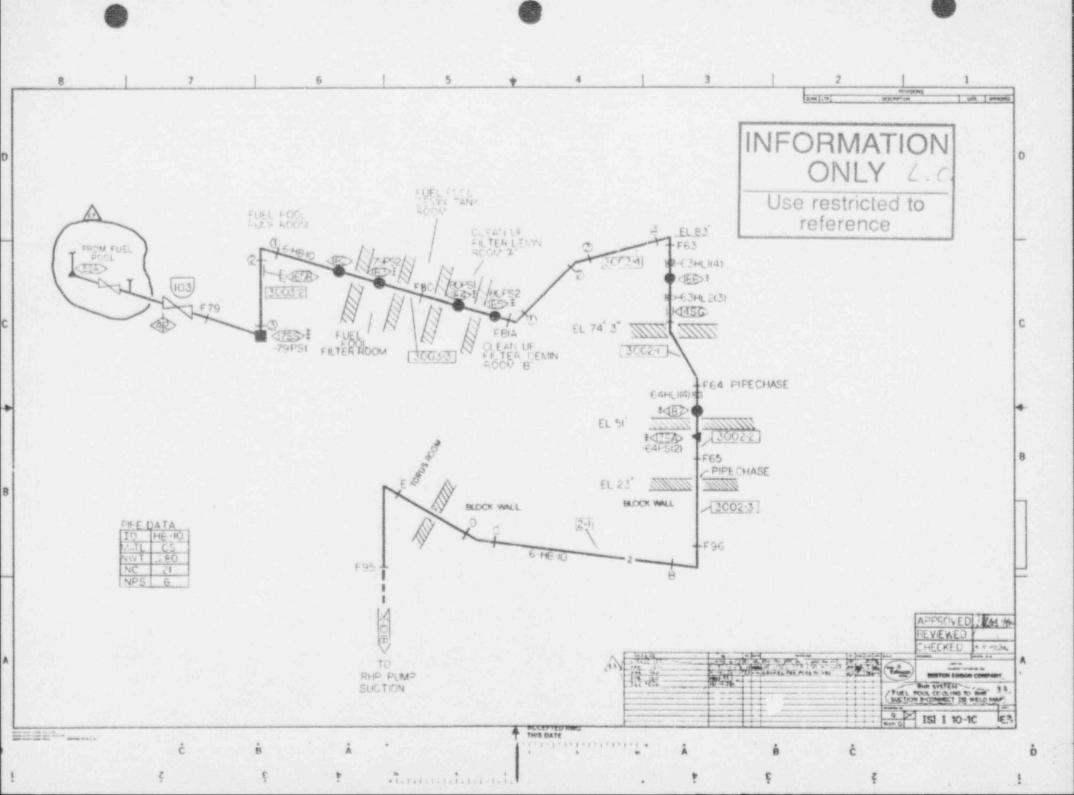


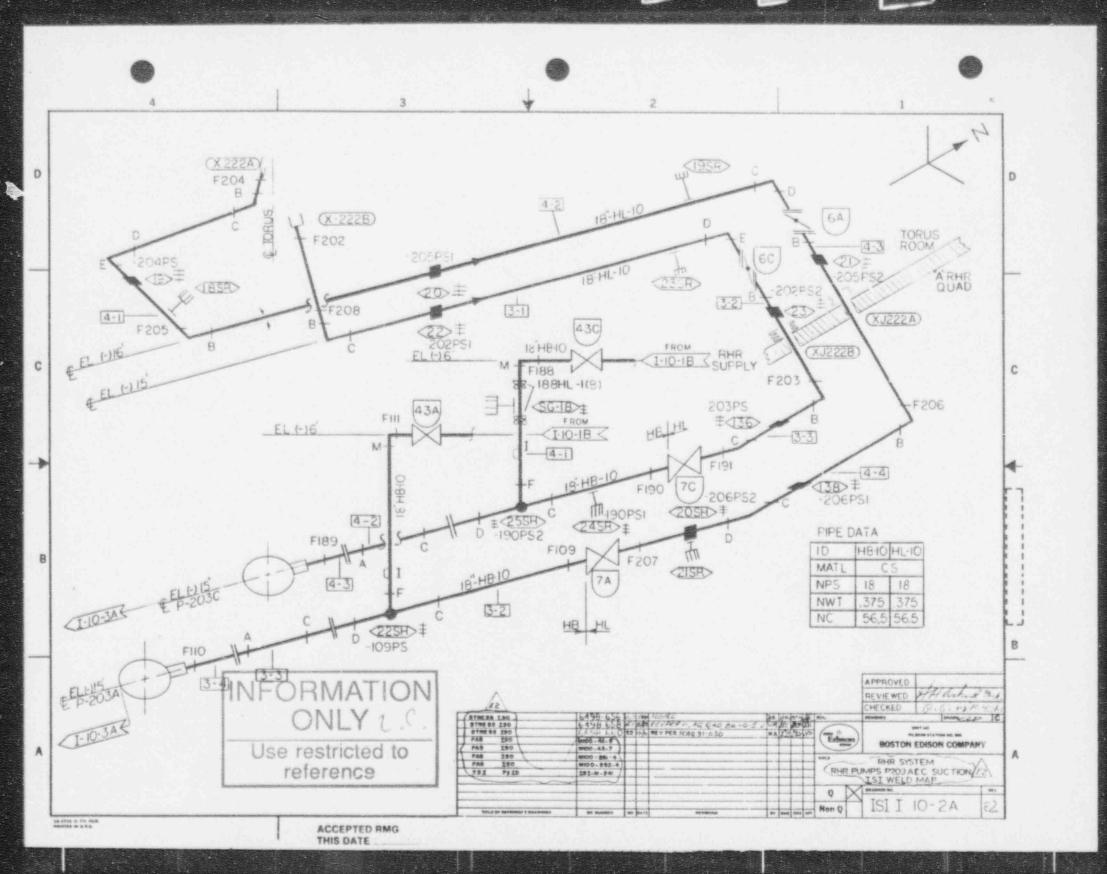


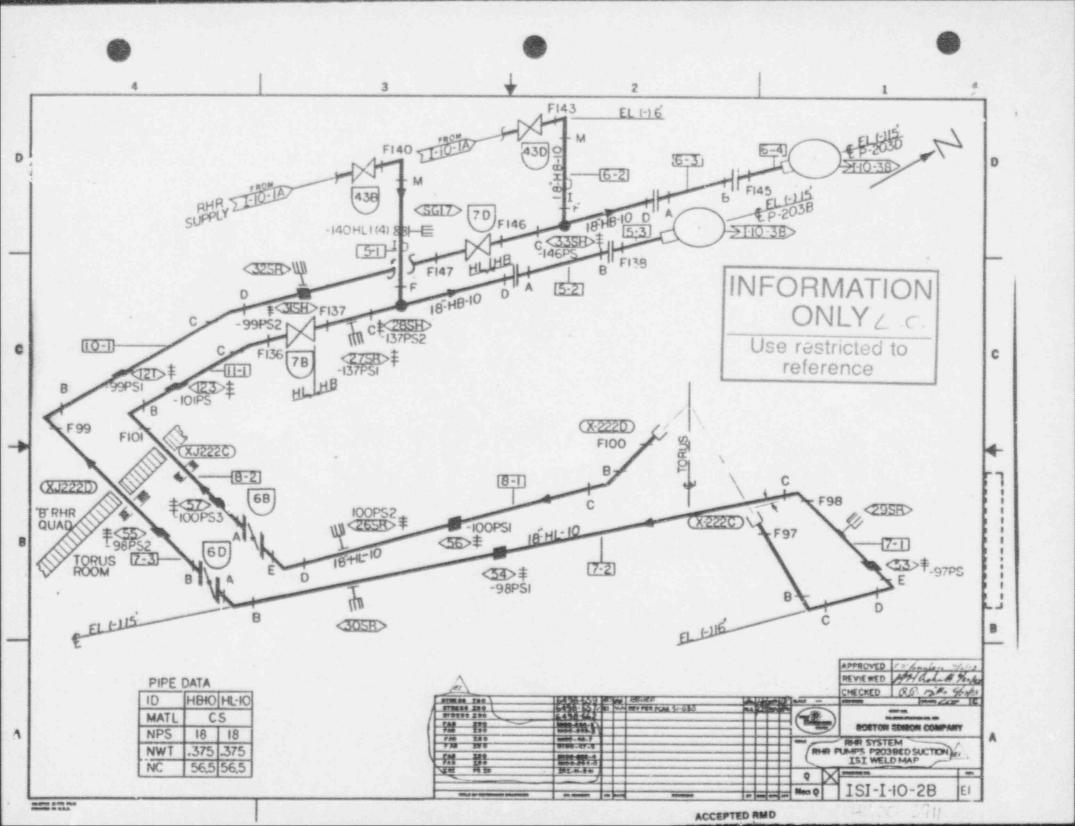


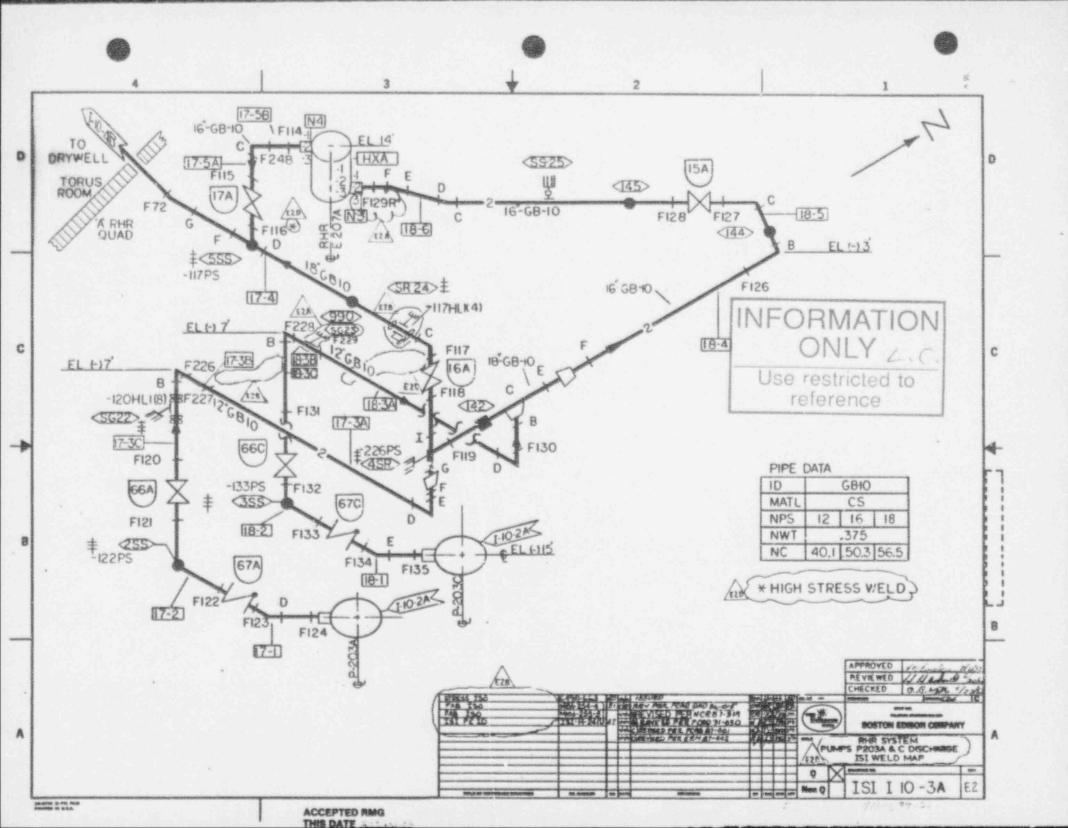


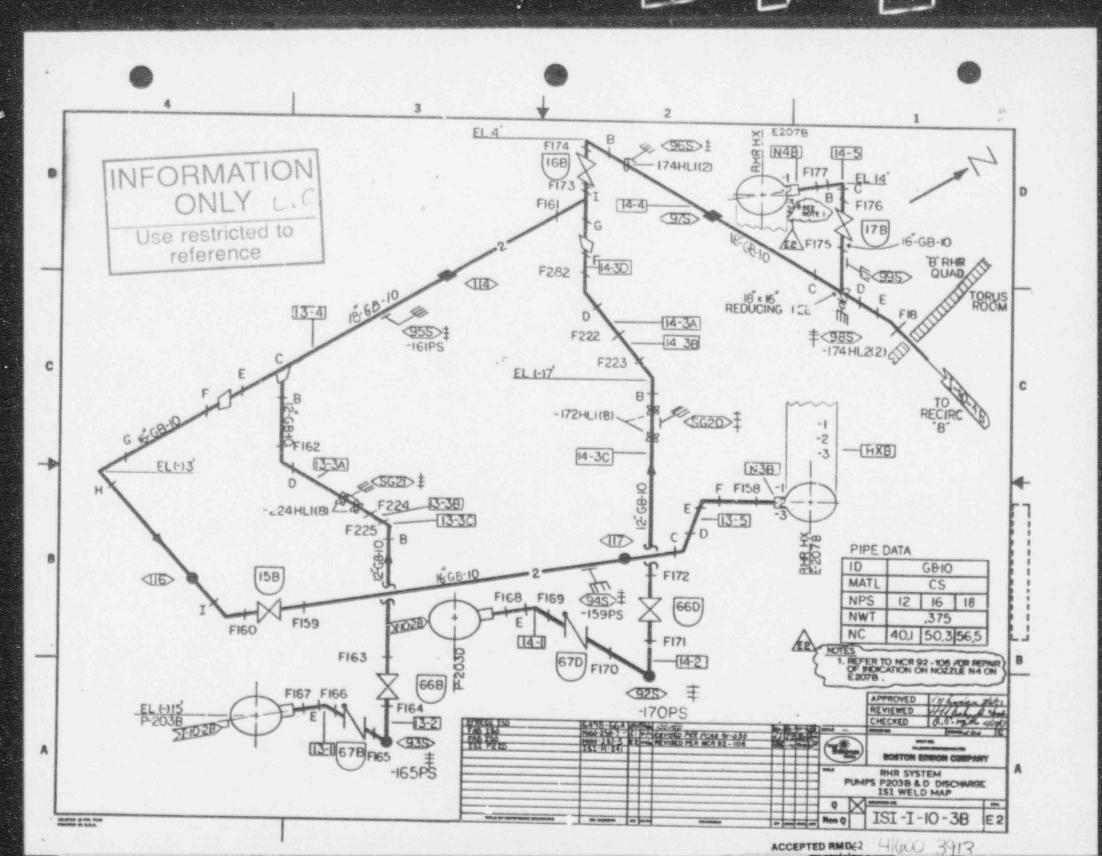


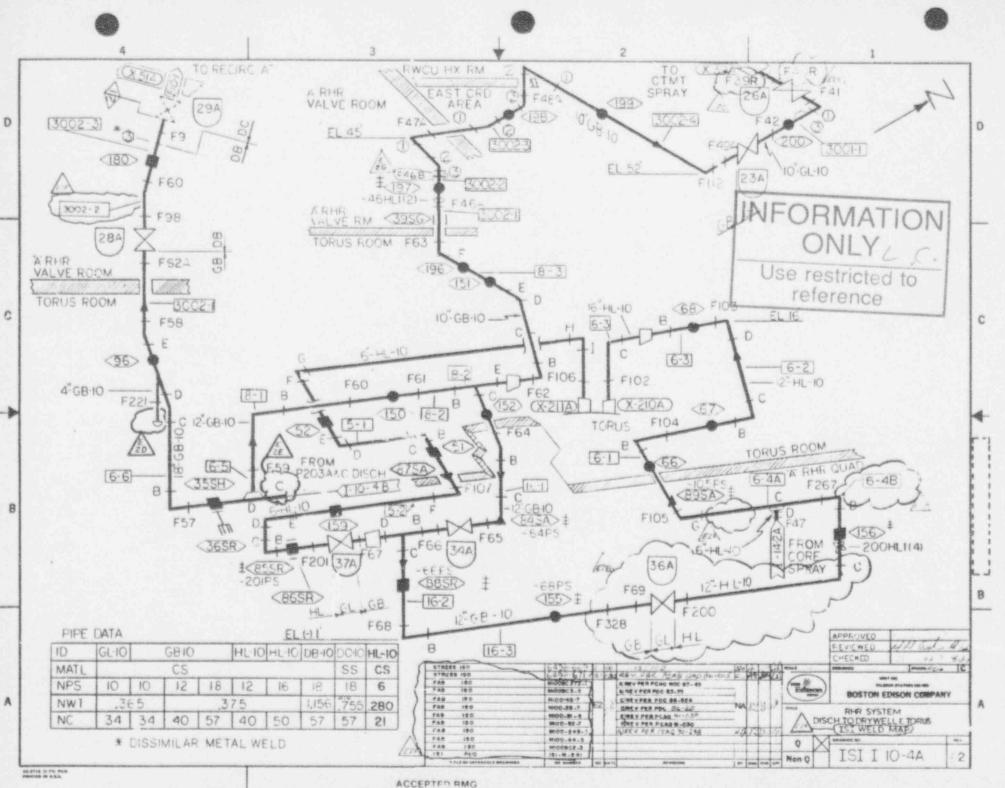




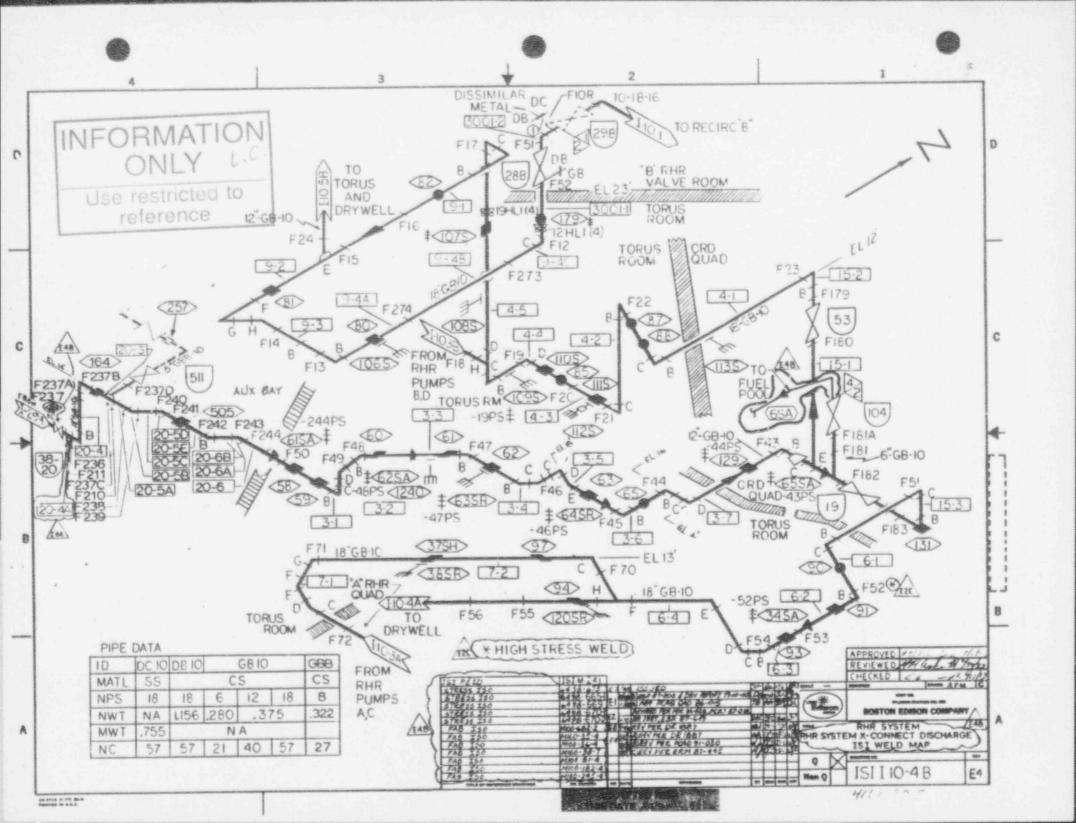


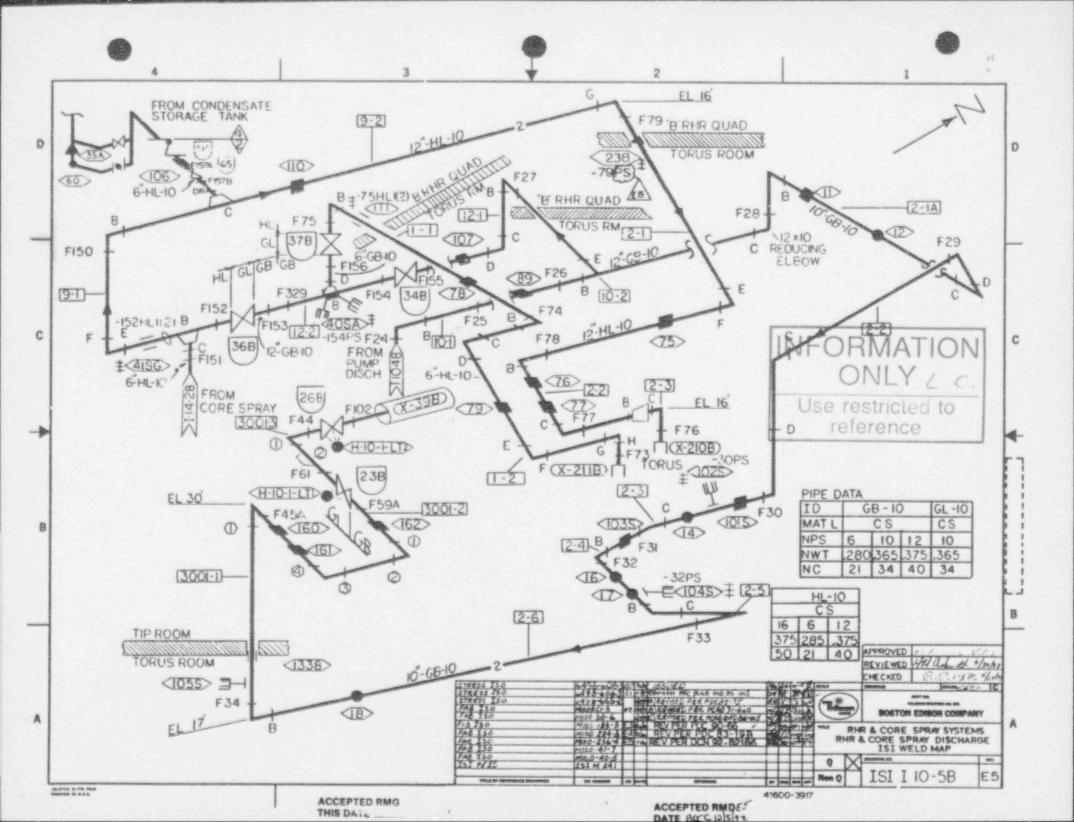


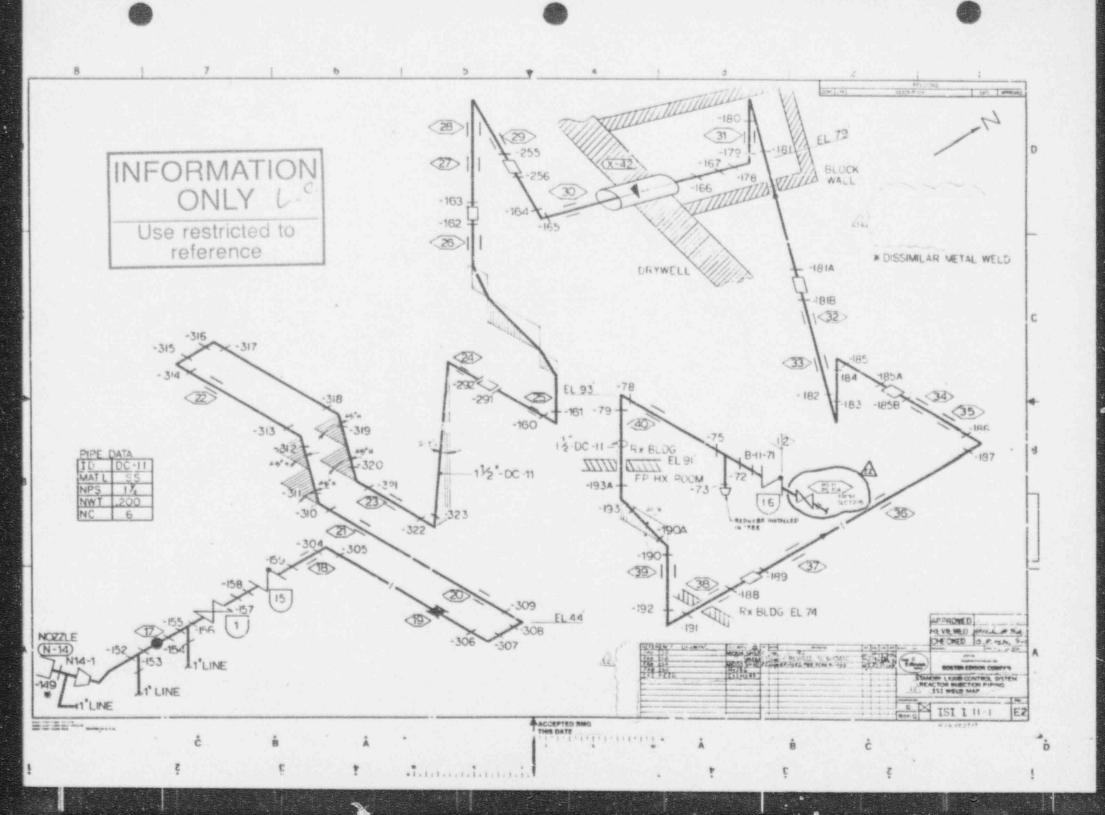


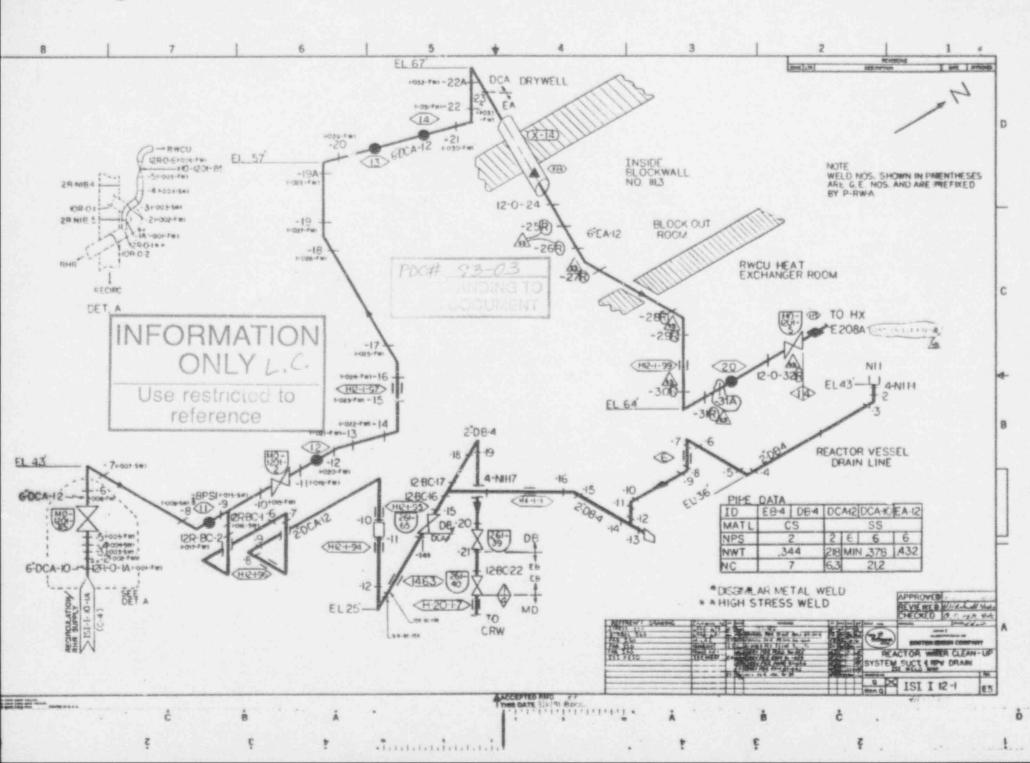


THIS DATE



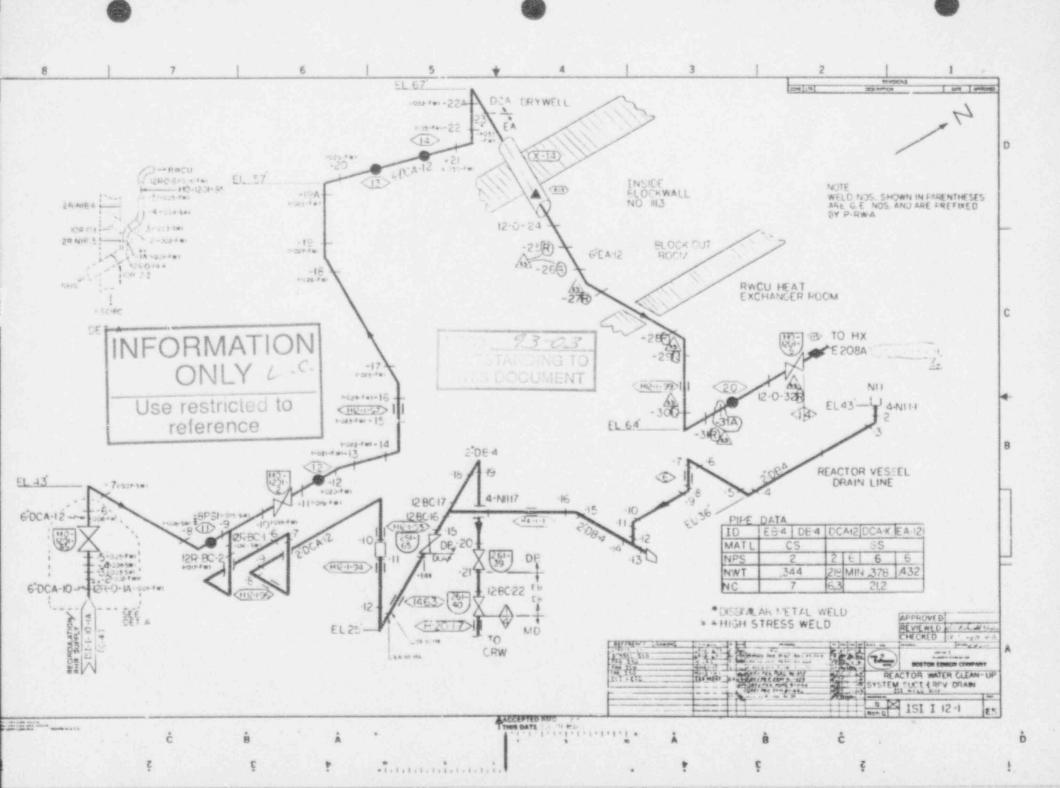


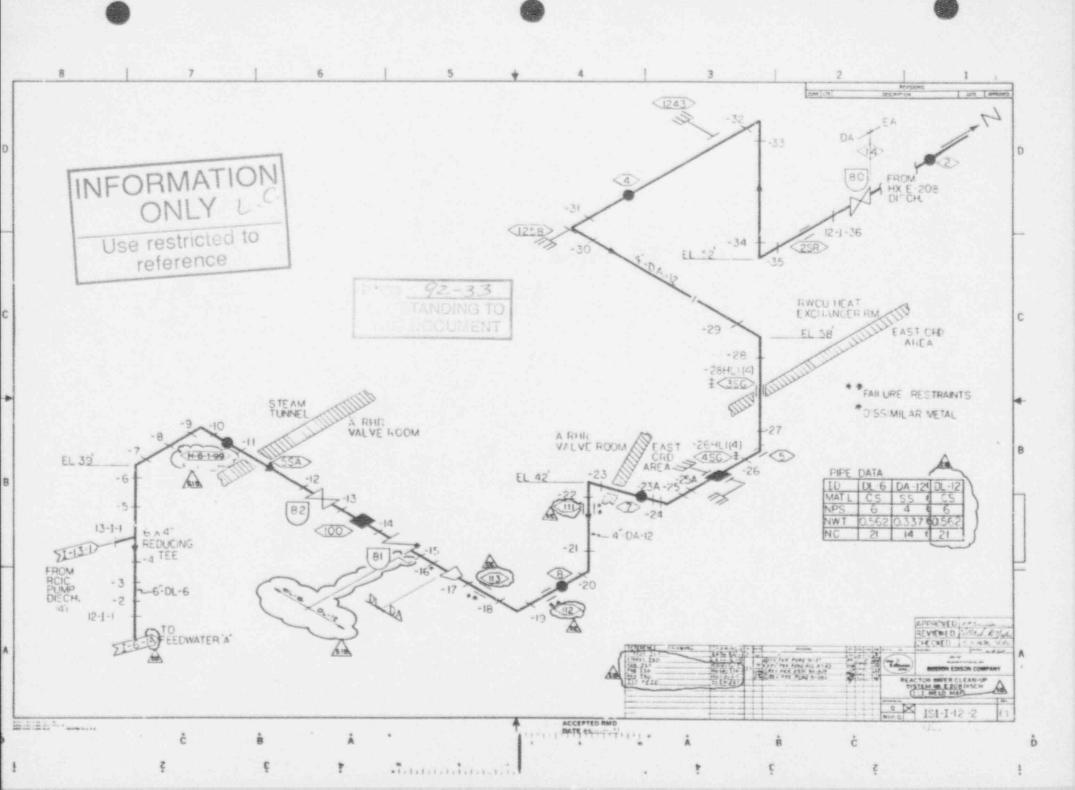


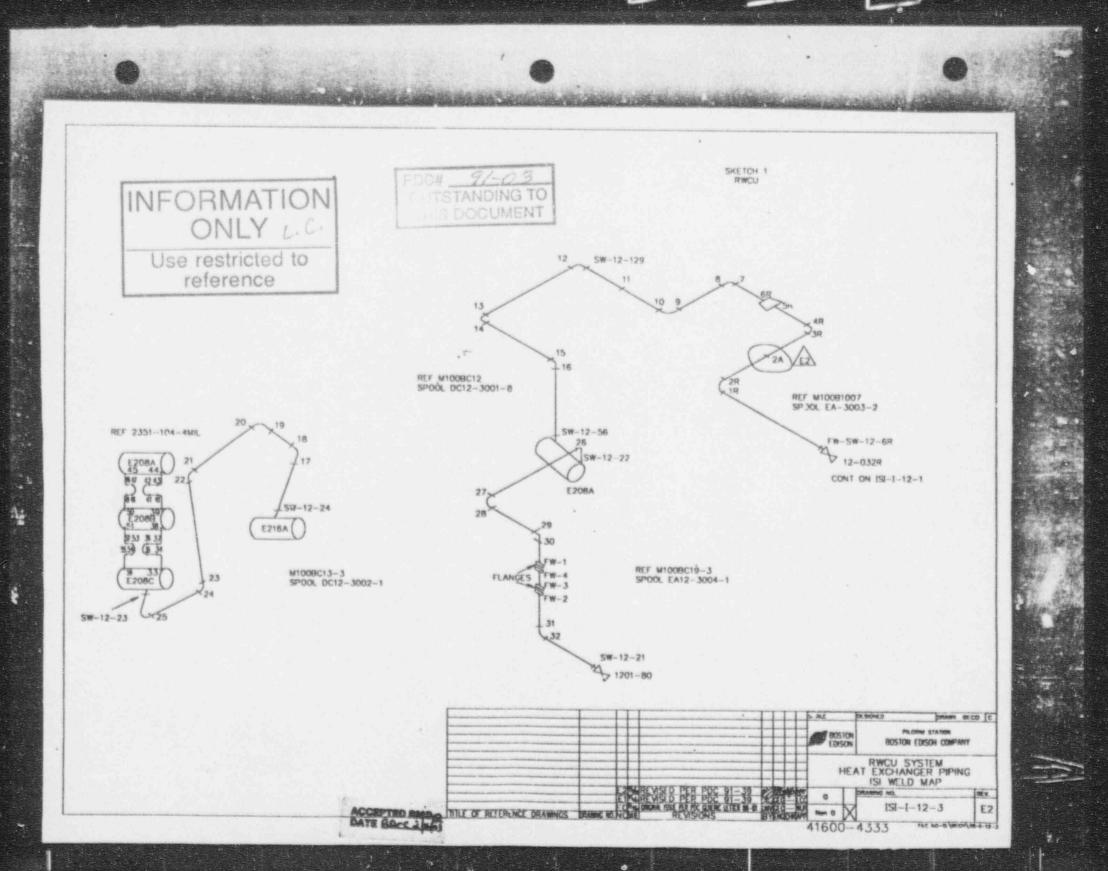


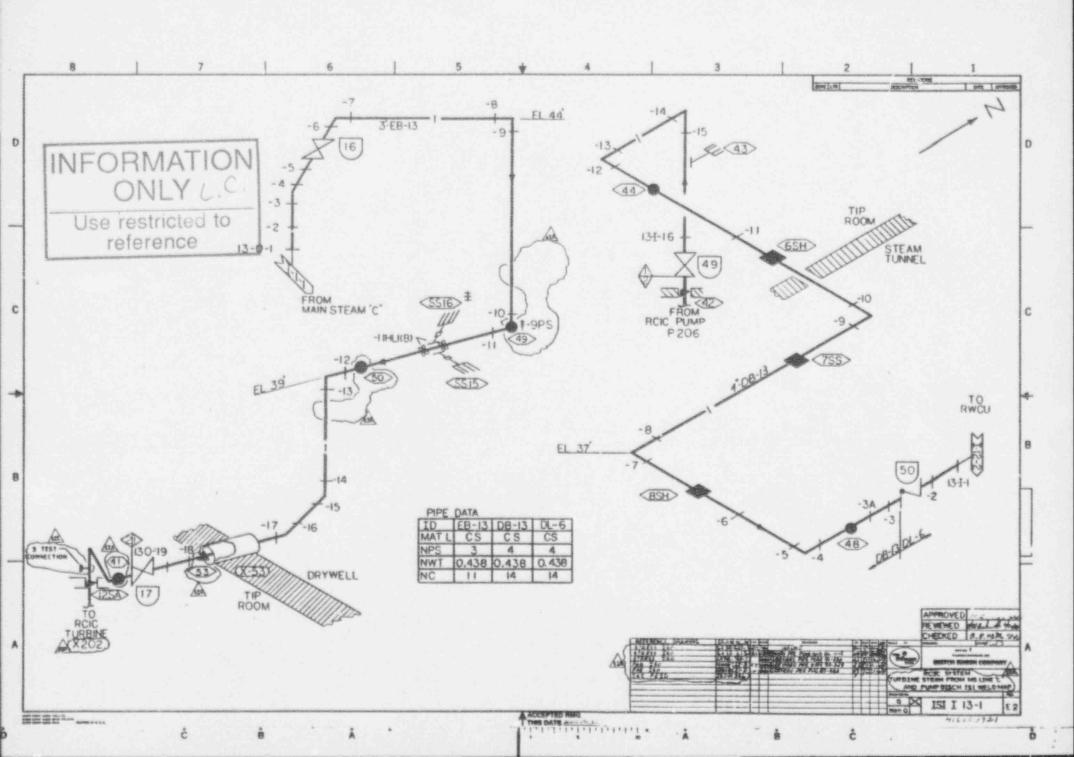
0

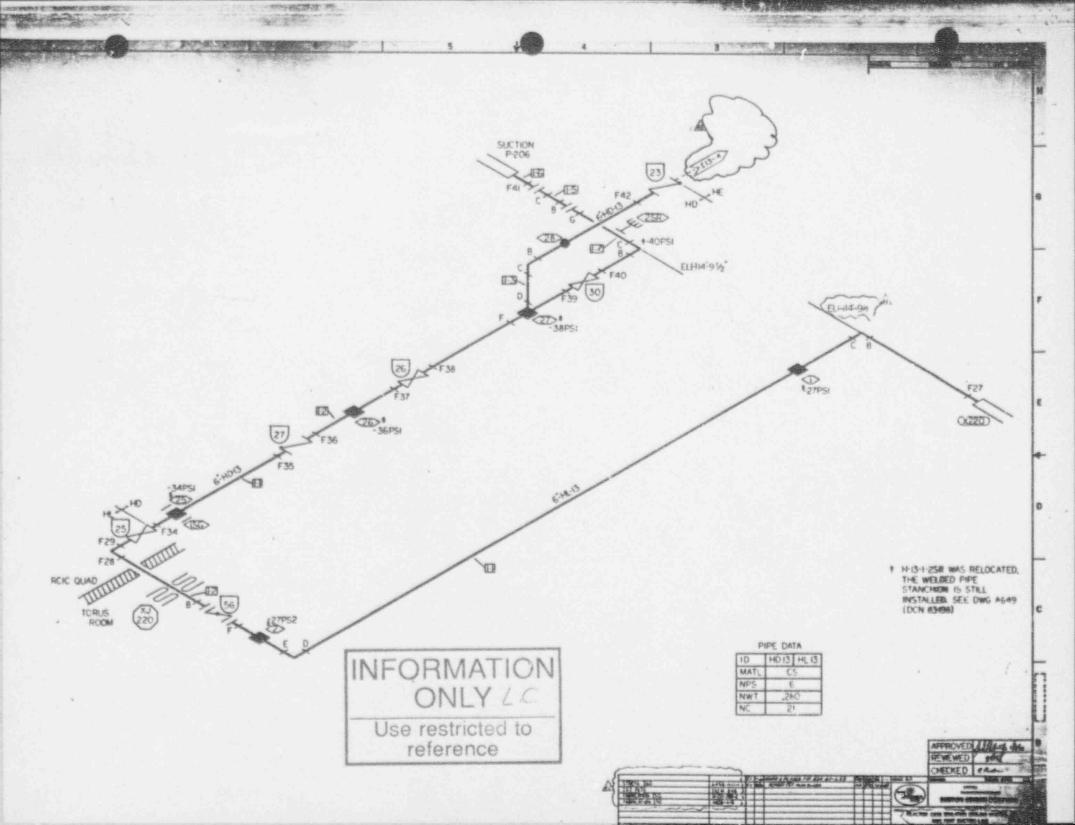
(

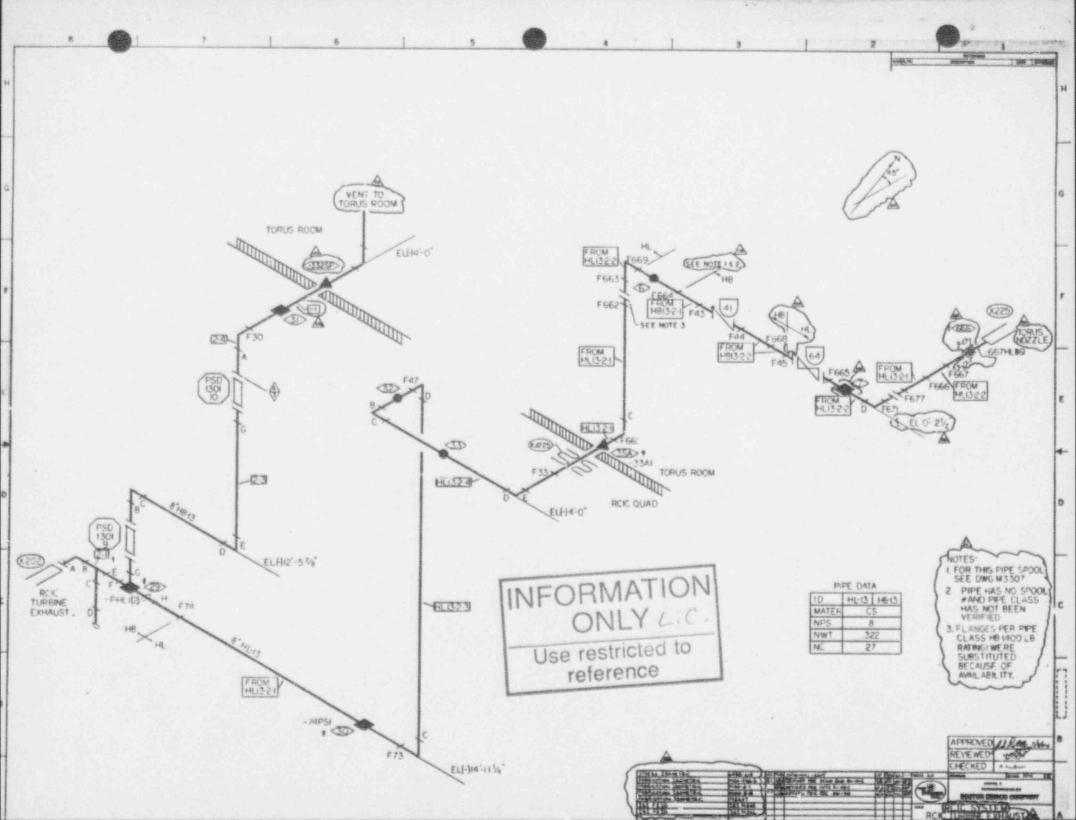


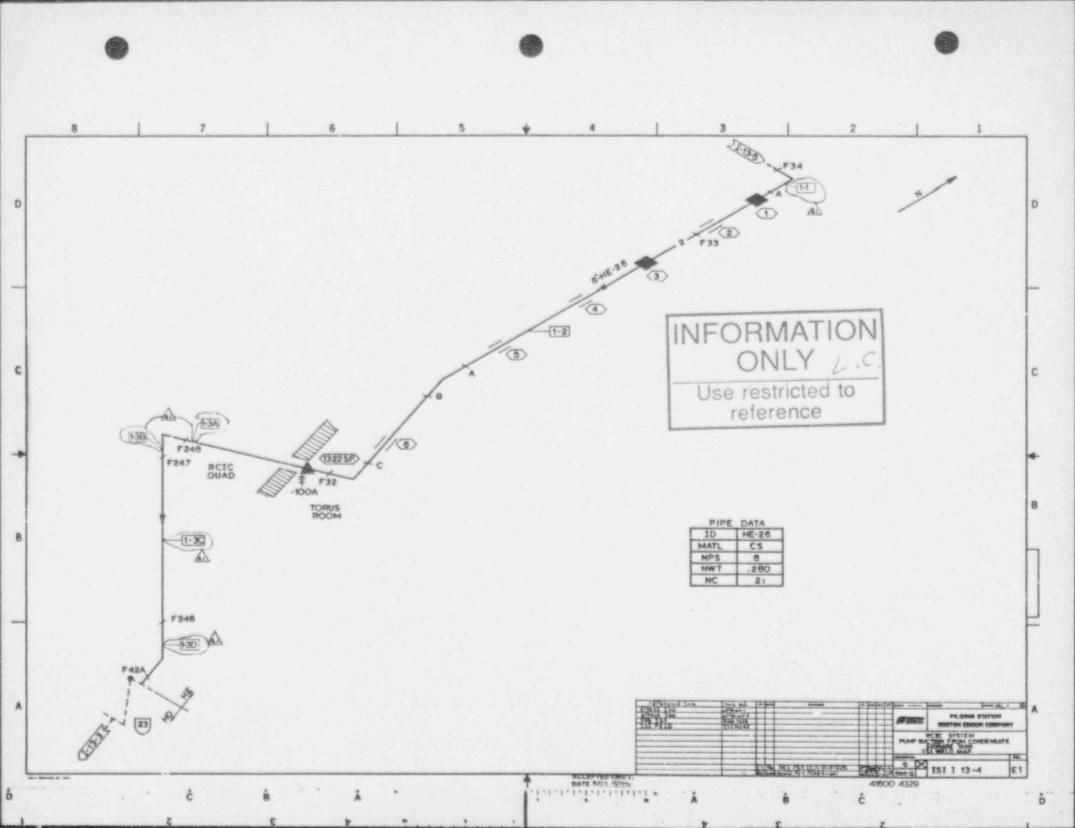


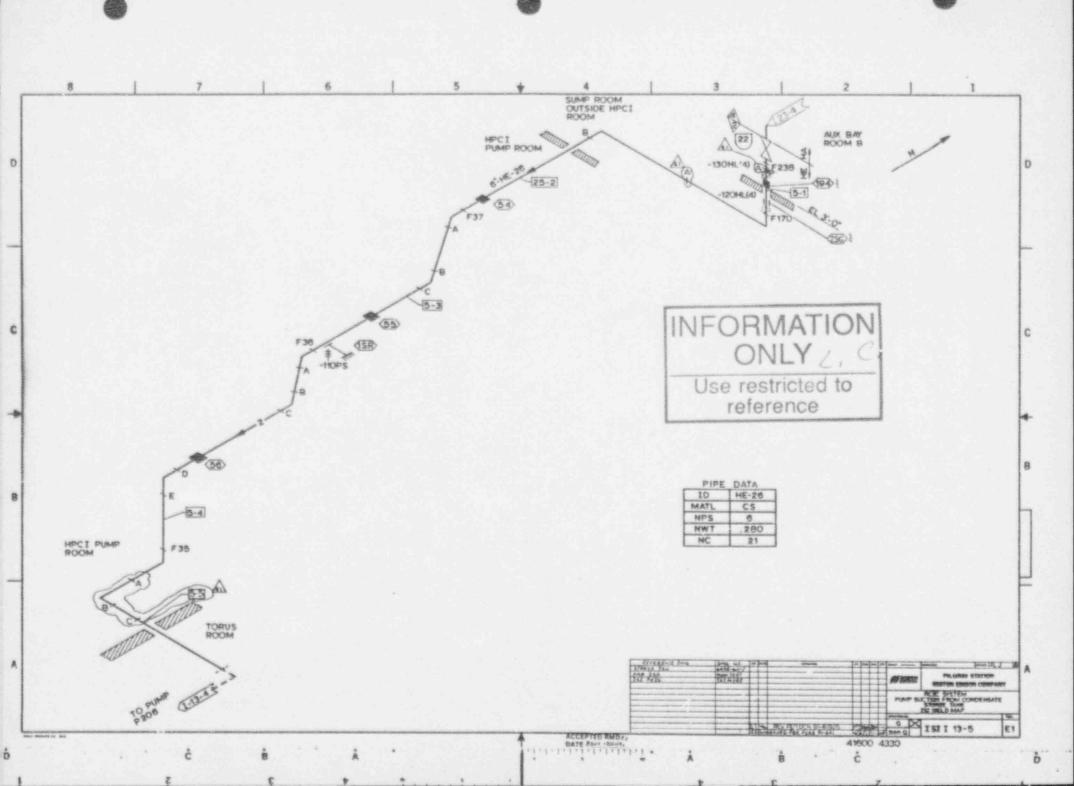


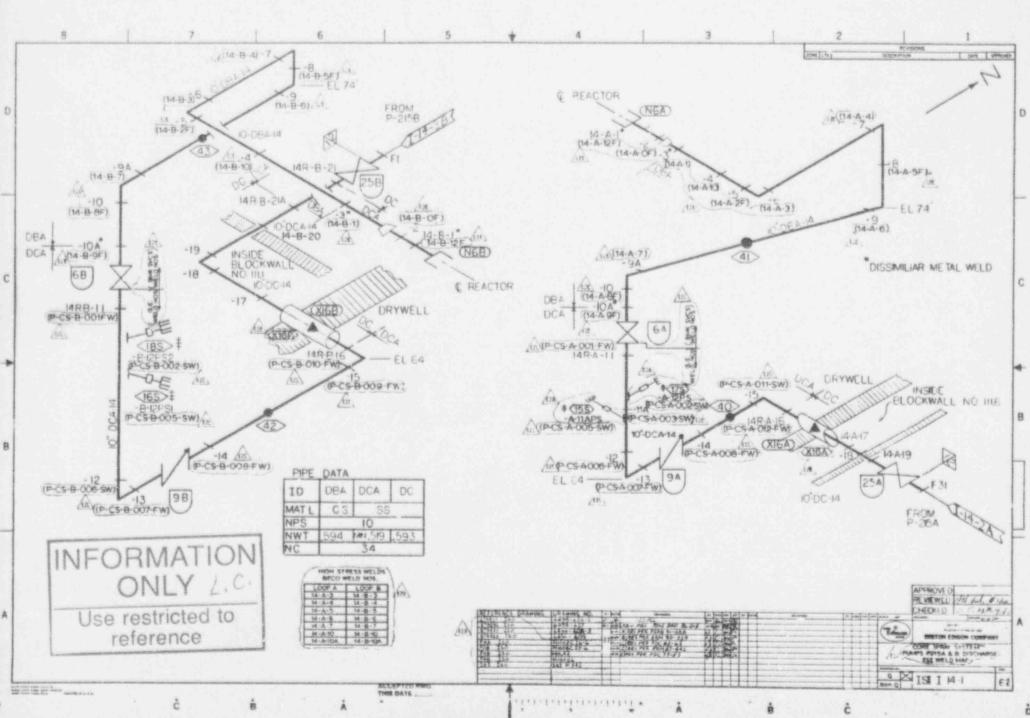




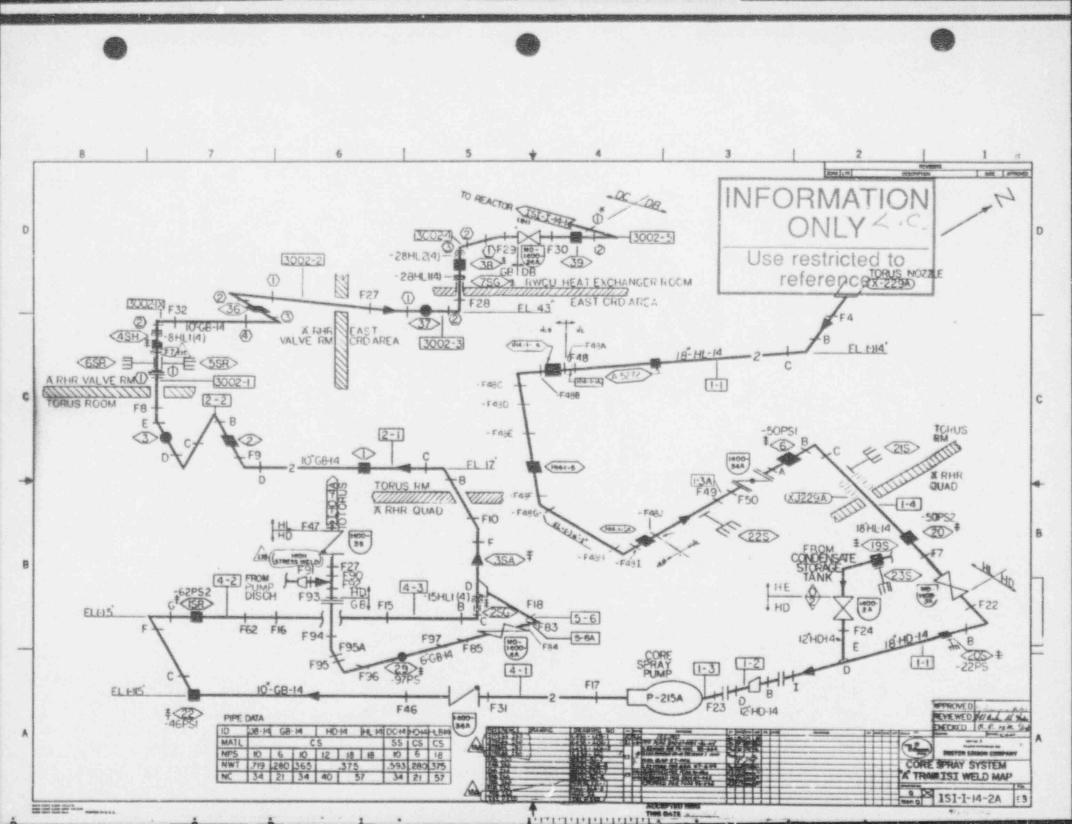


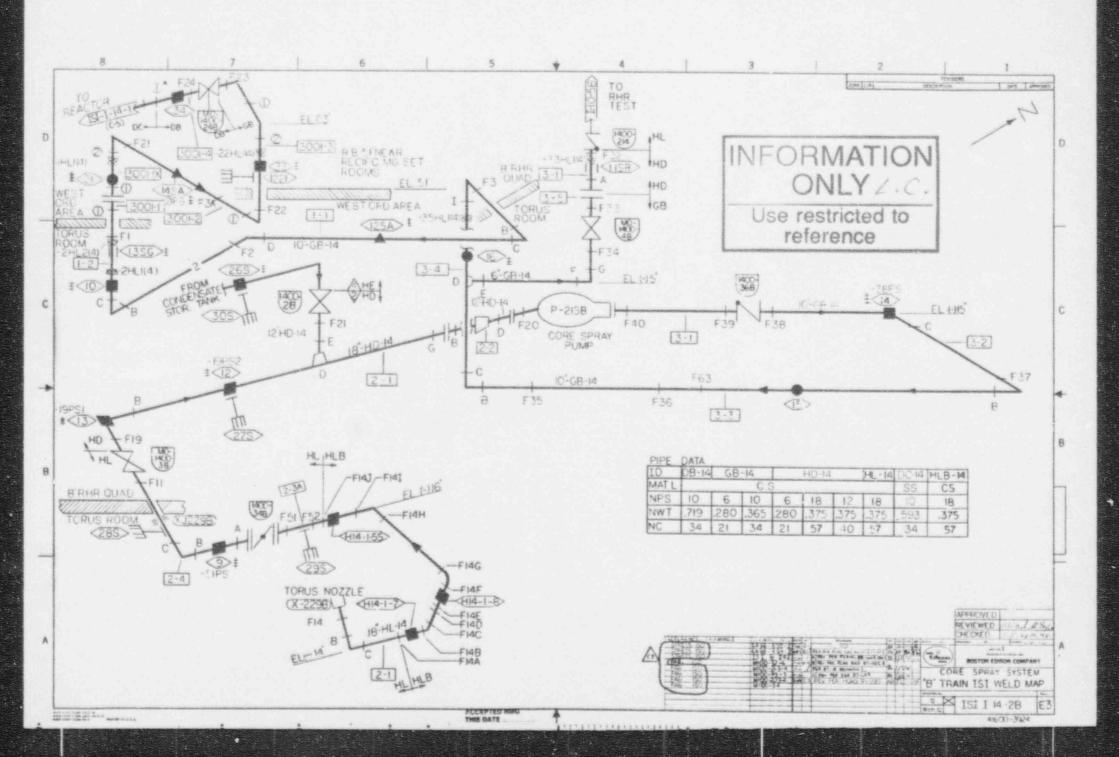


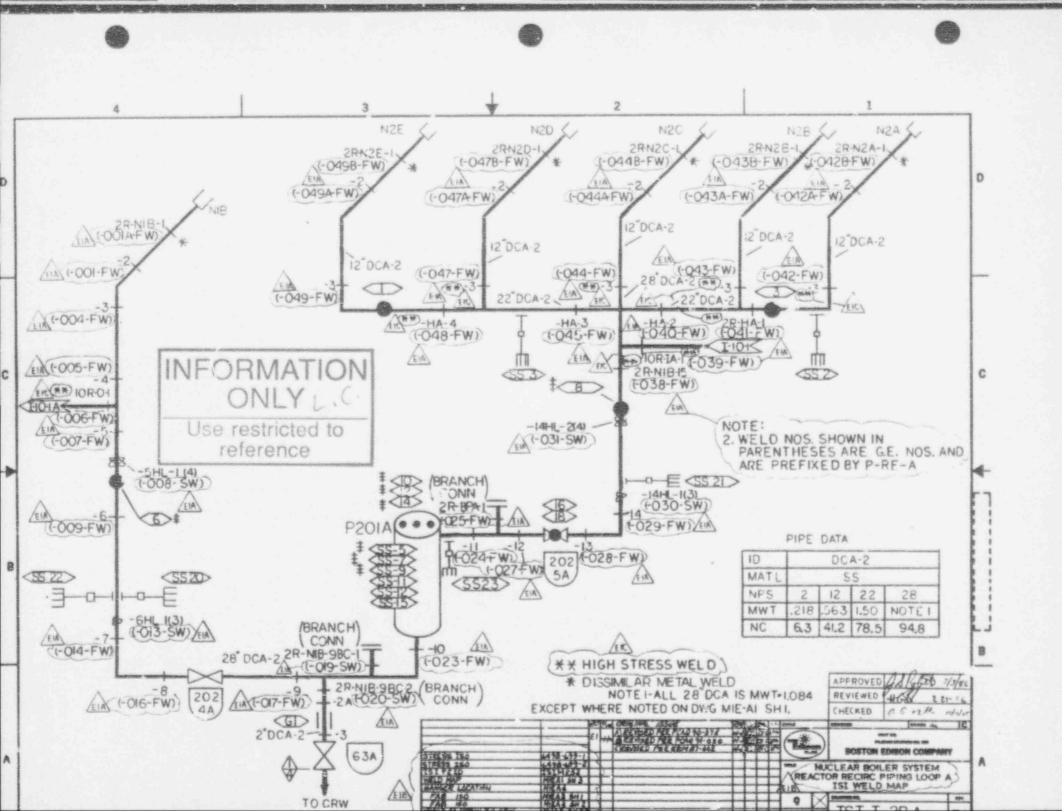


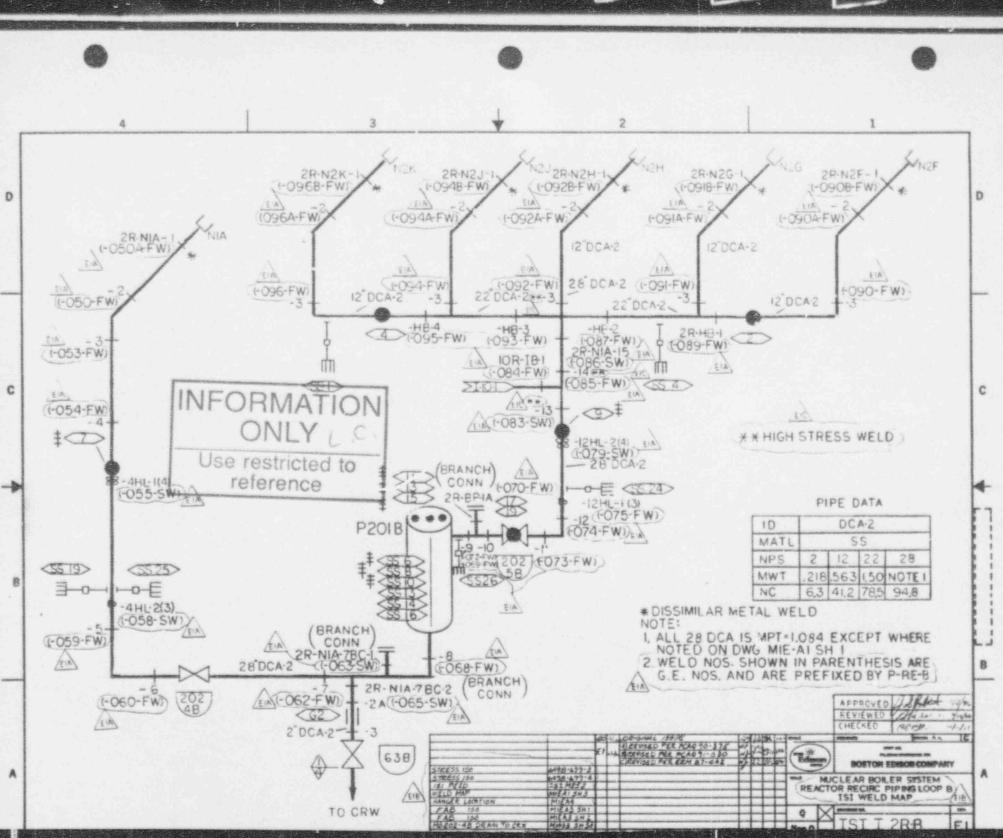


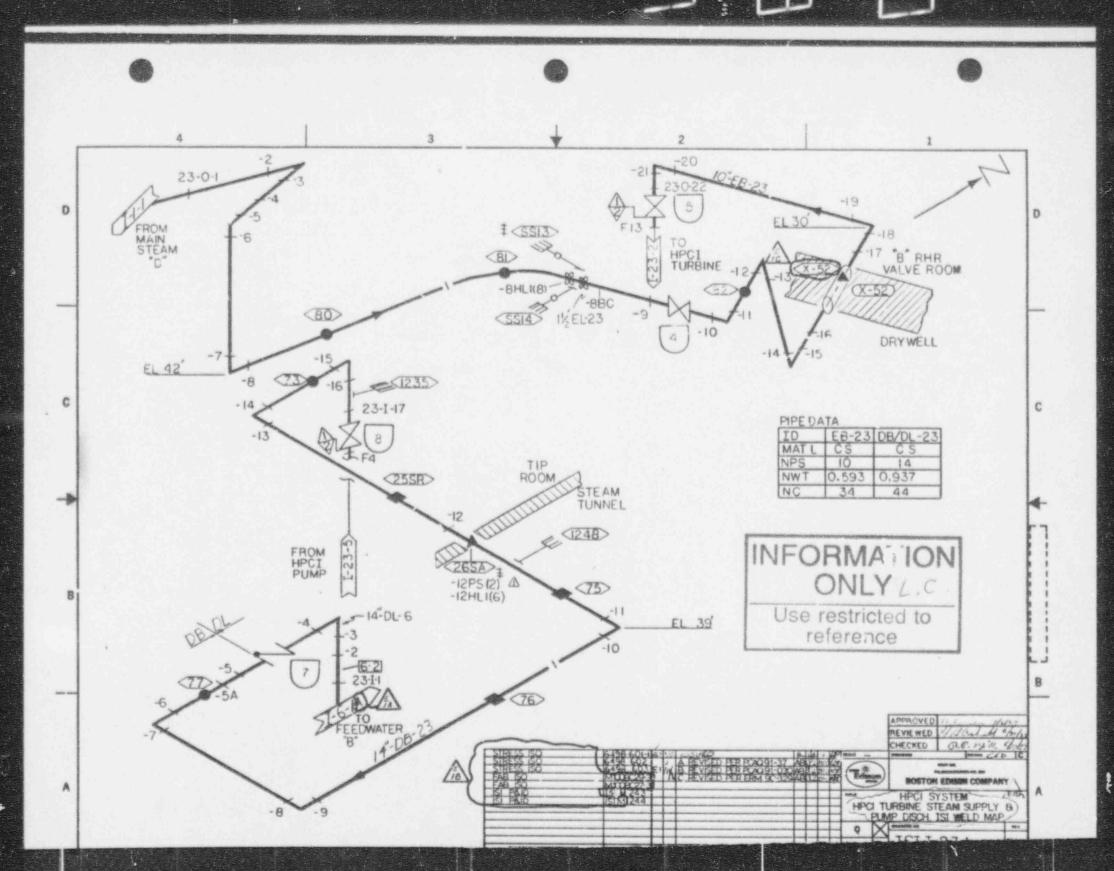
ò

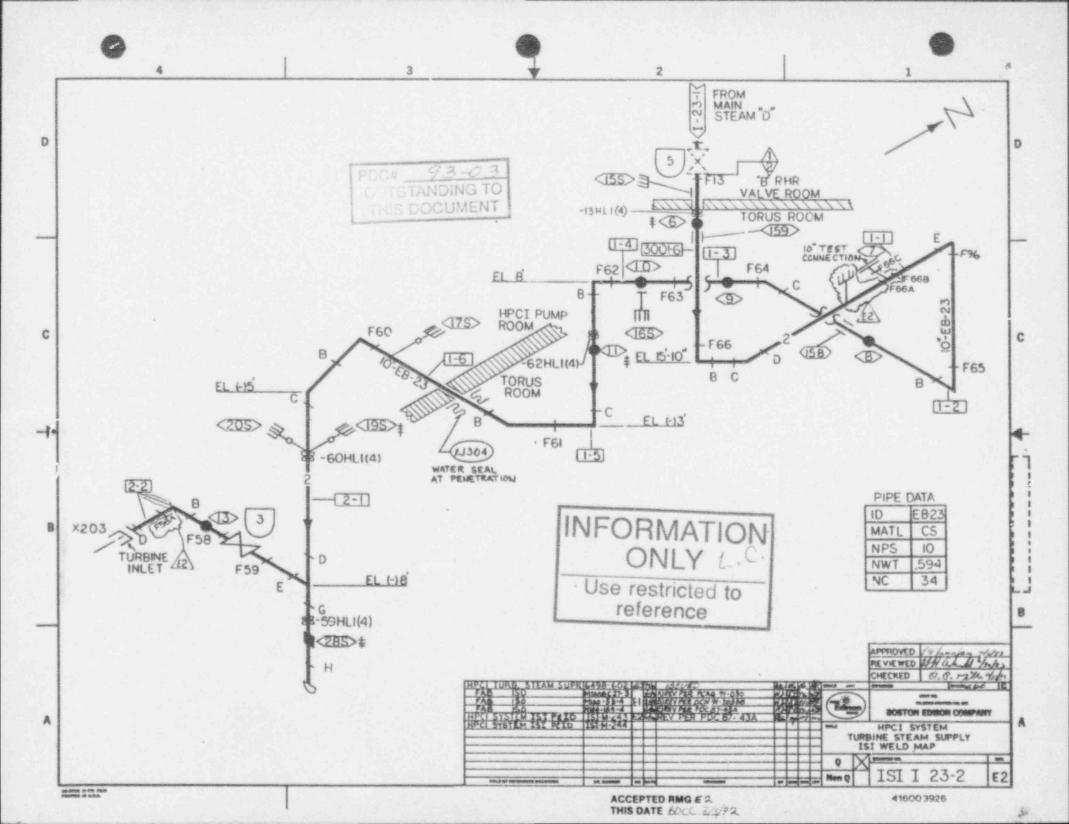


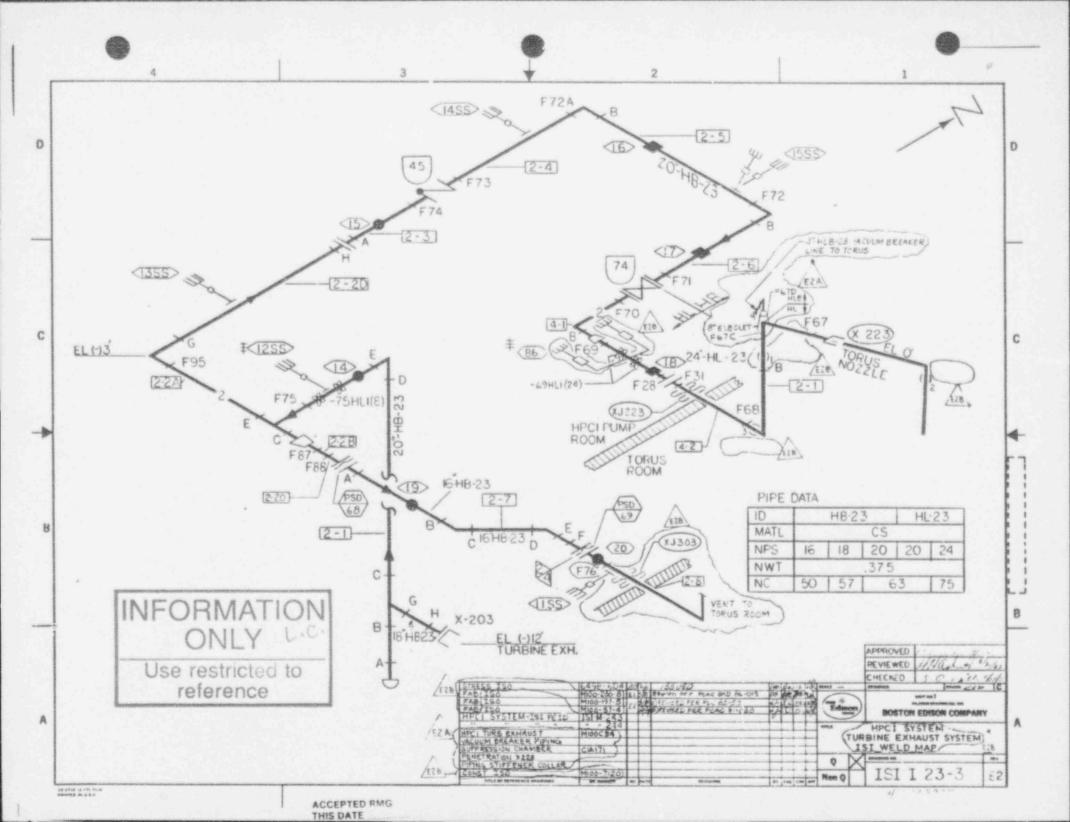


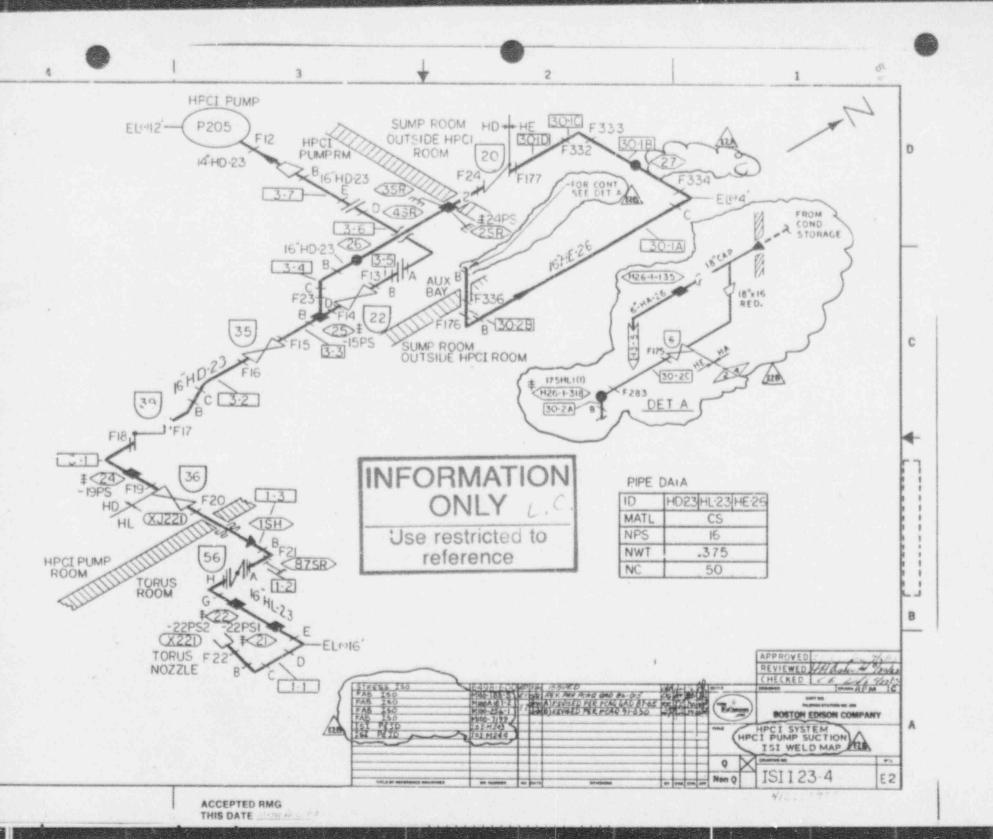


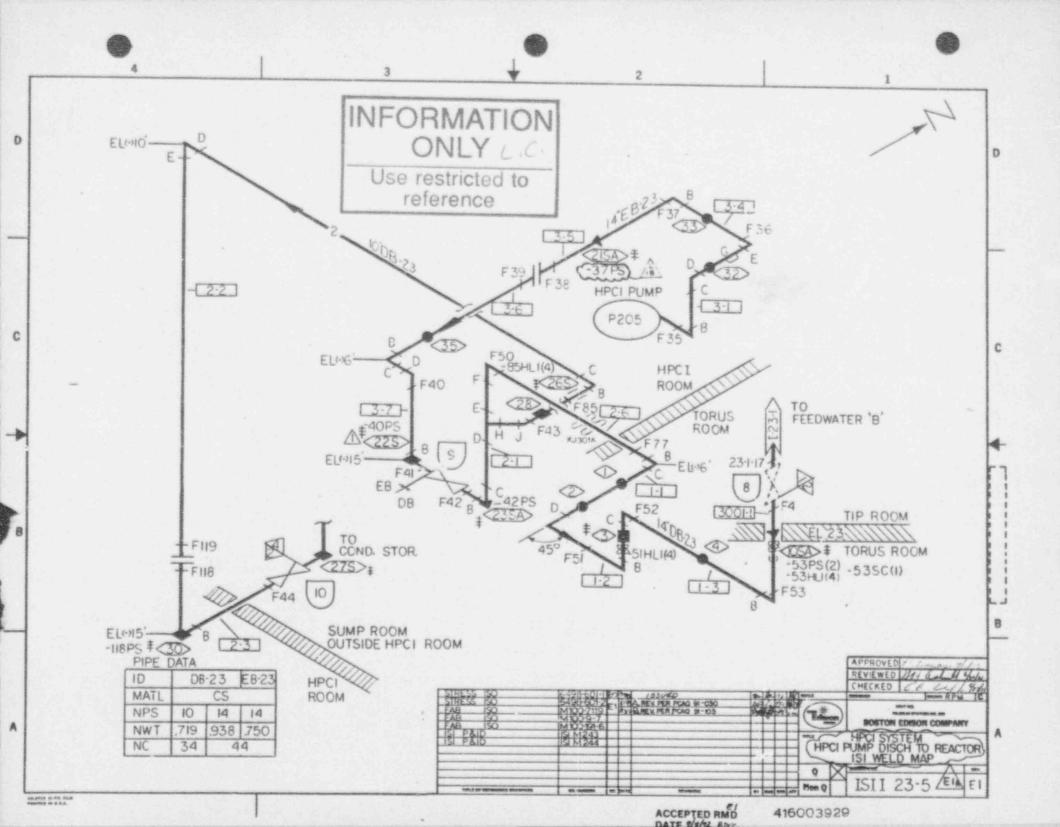


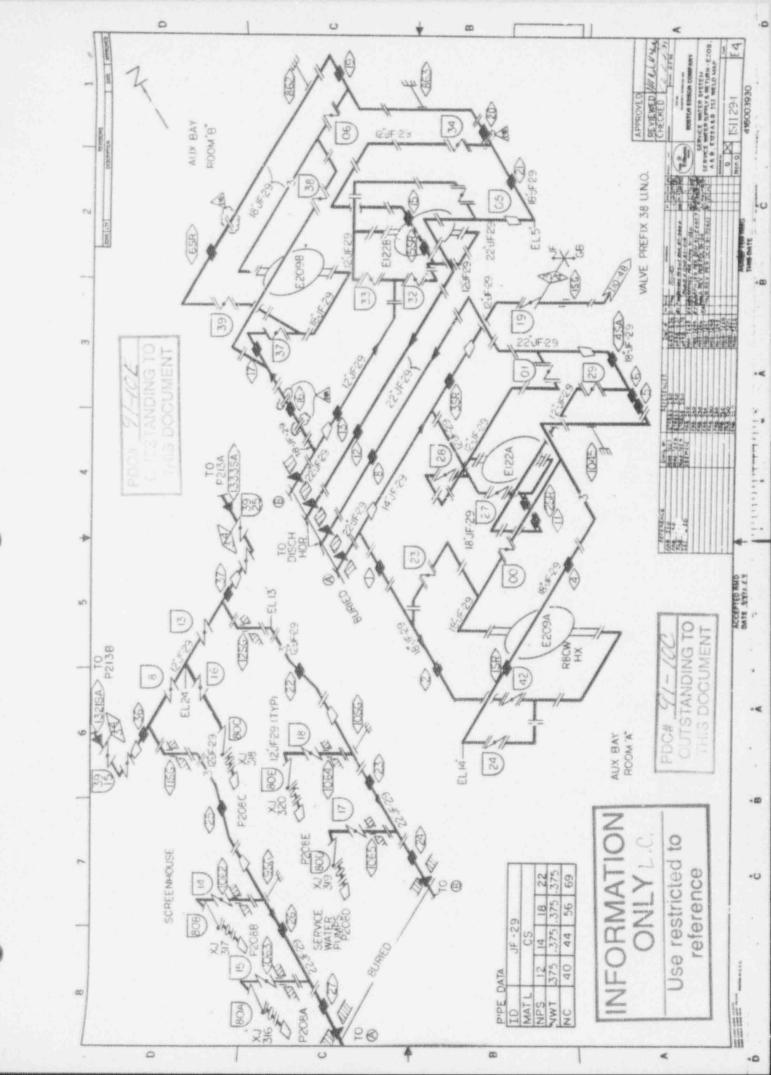


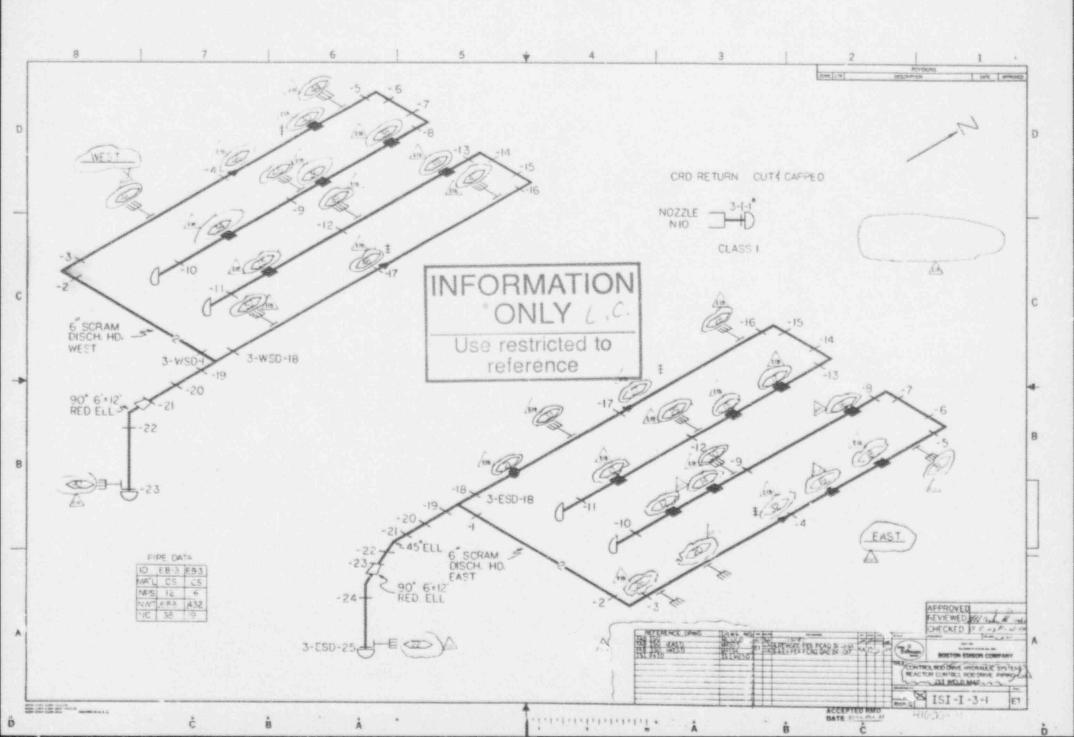


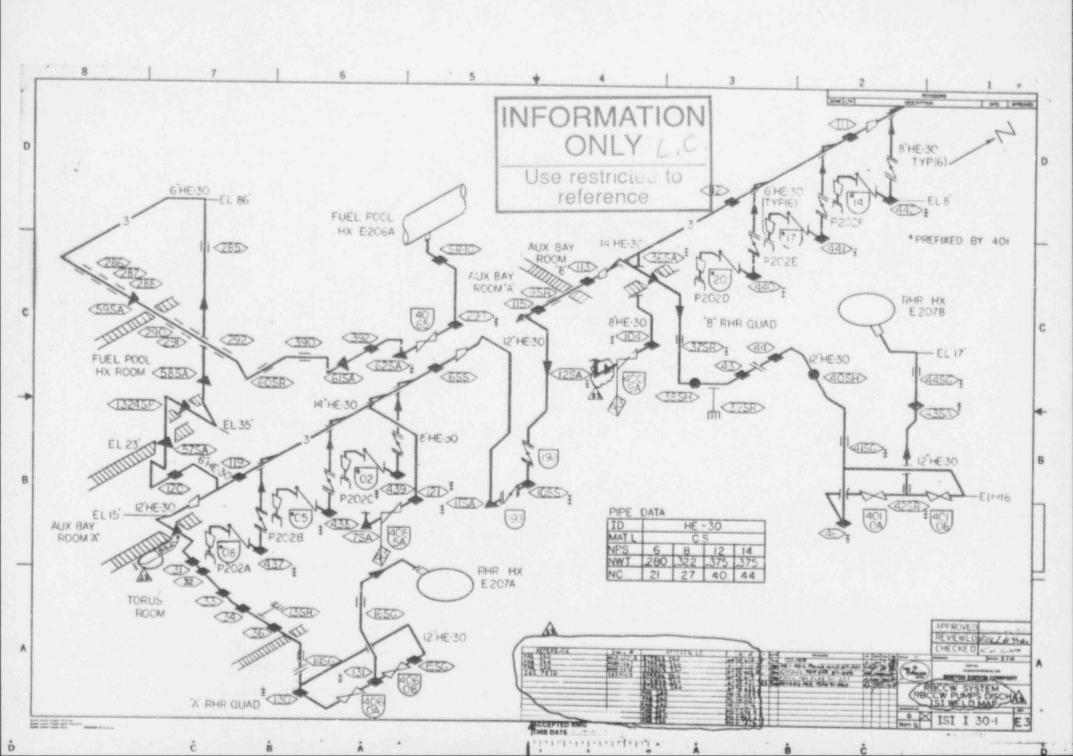


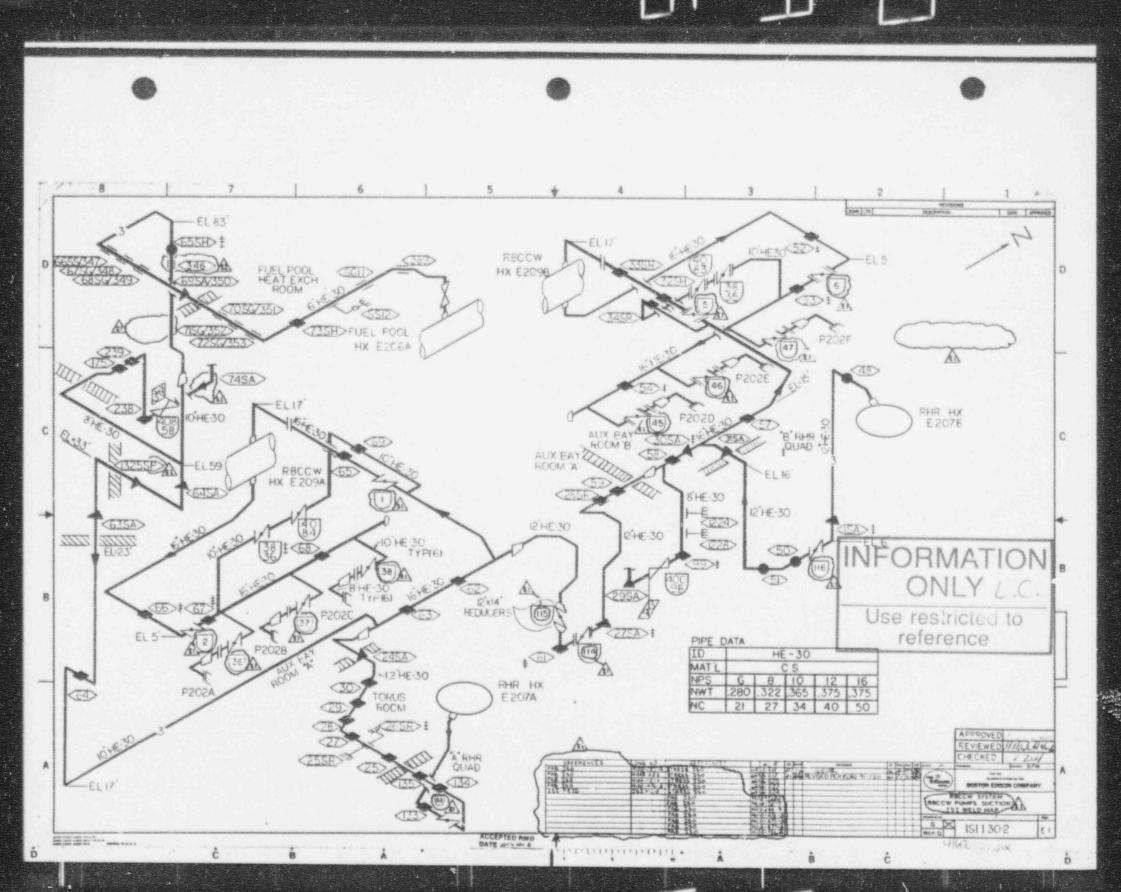


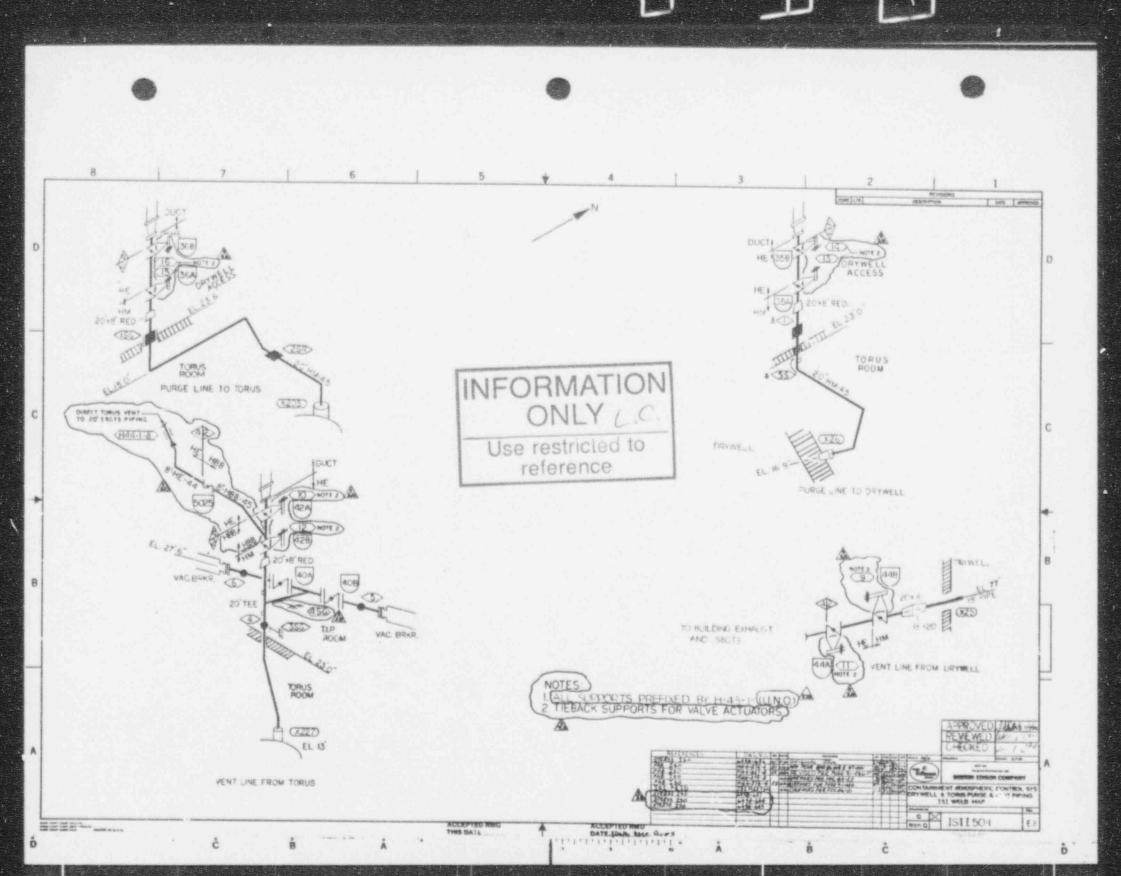


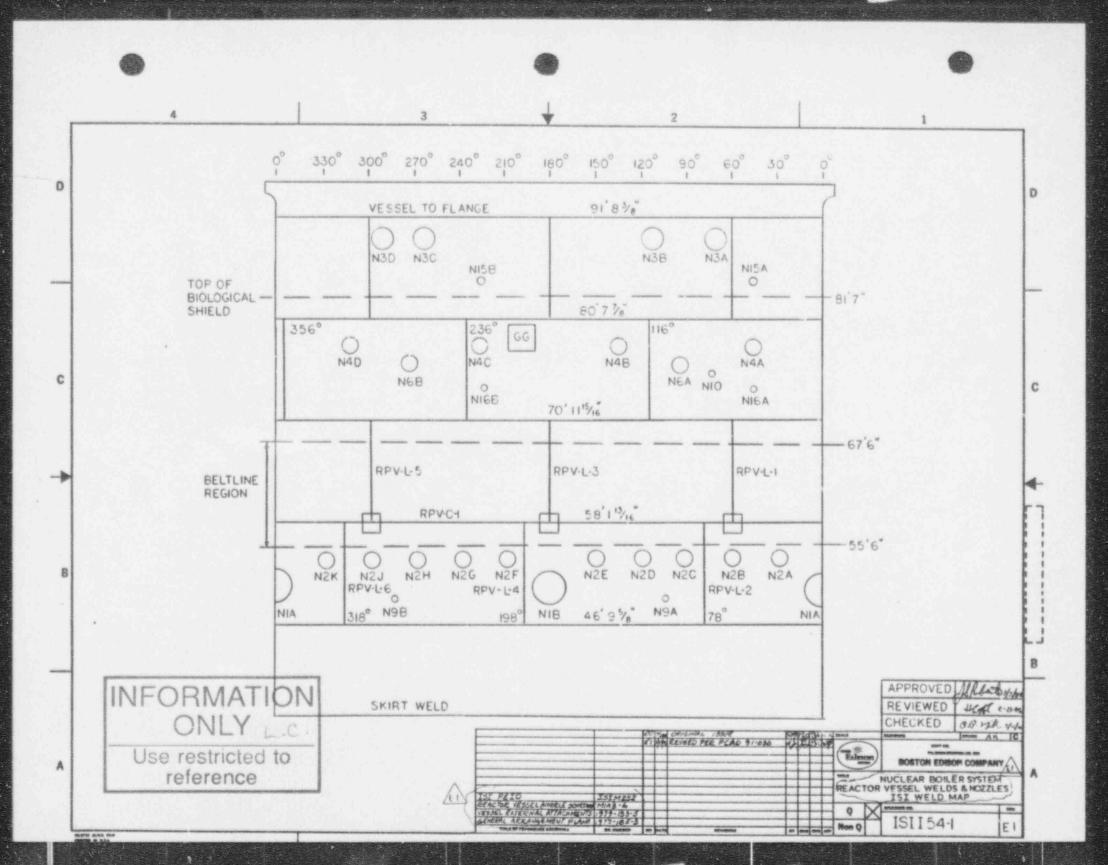


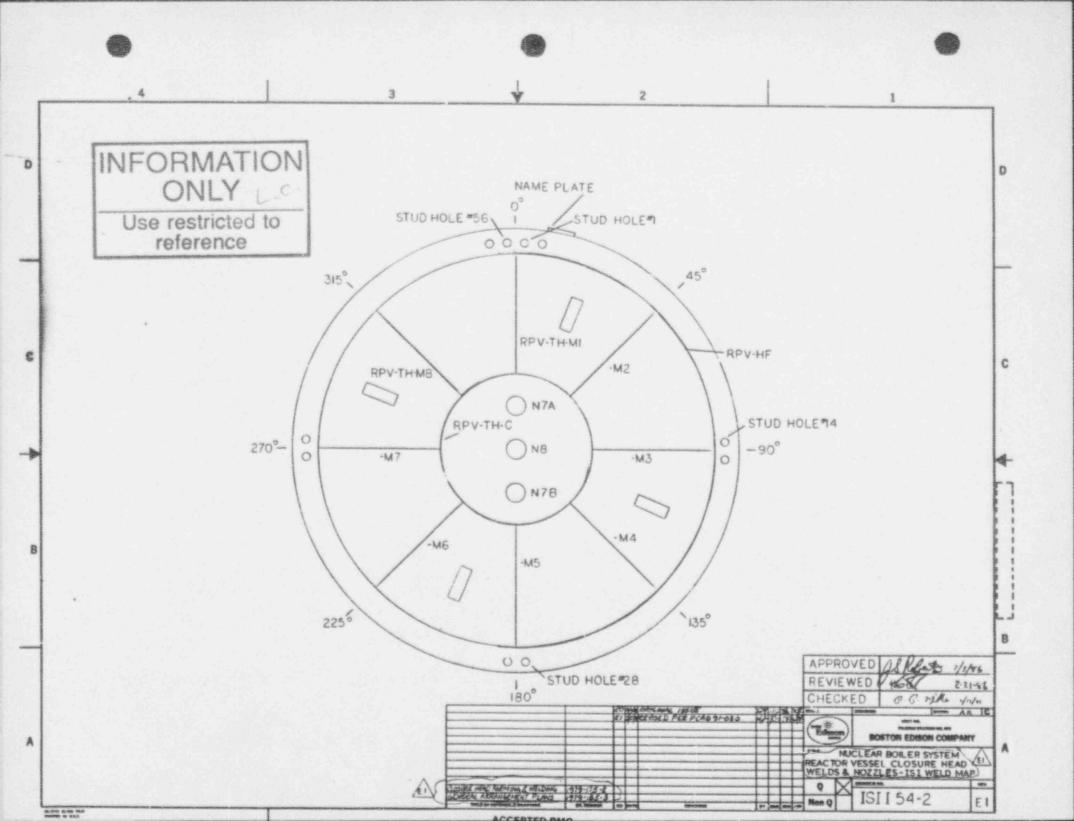


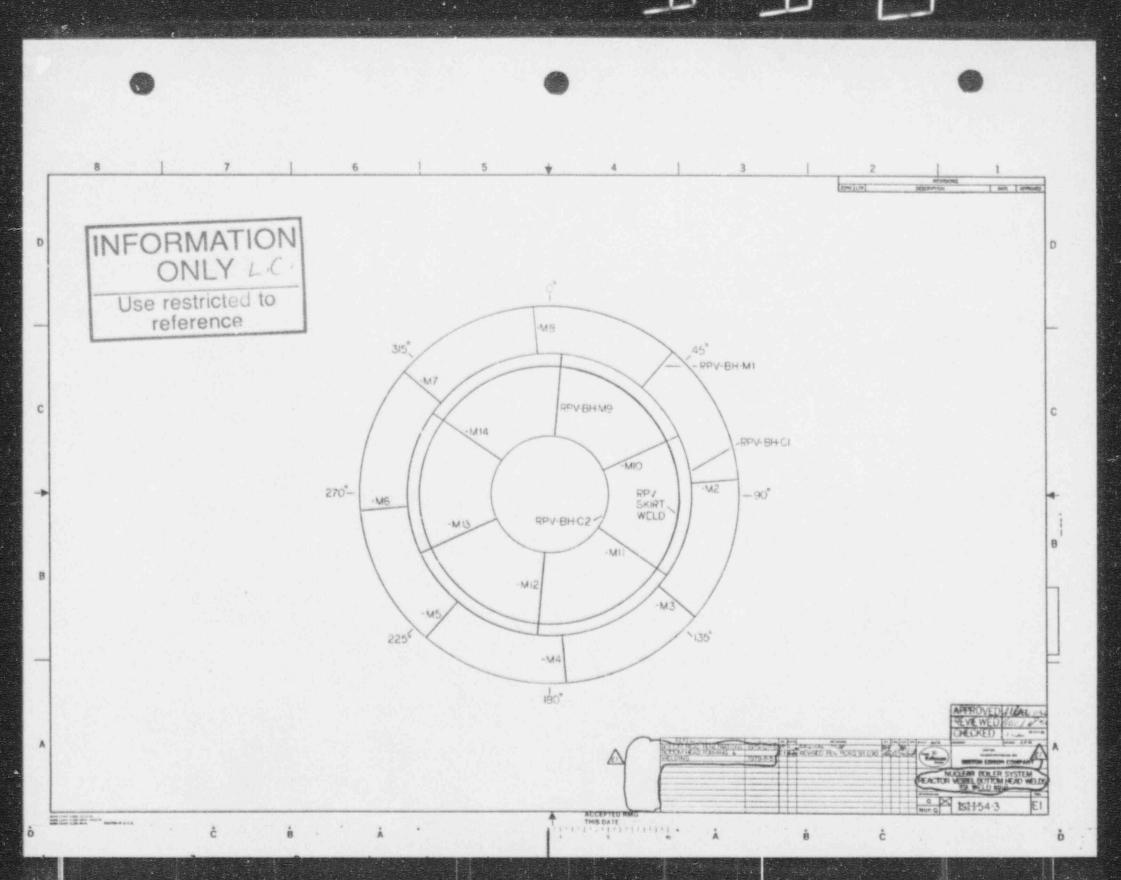




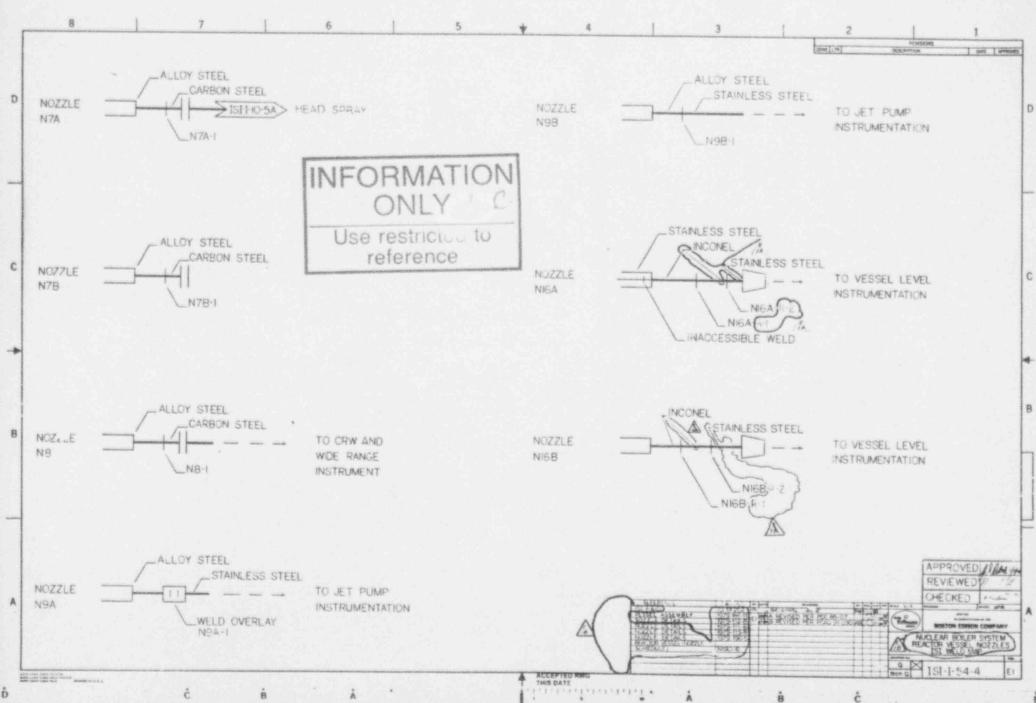




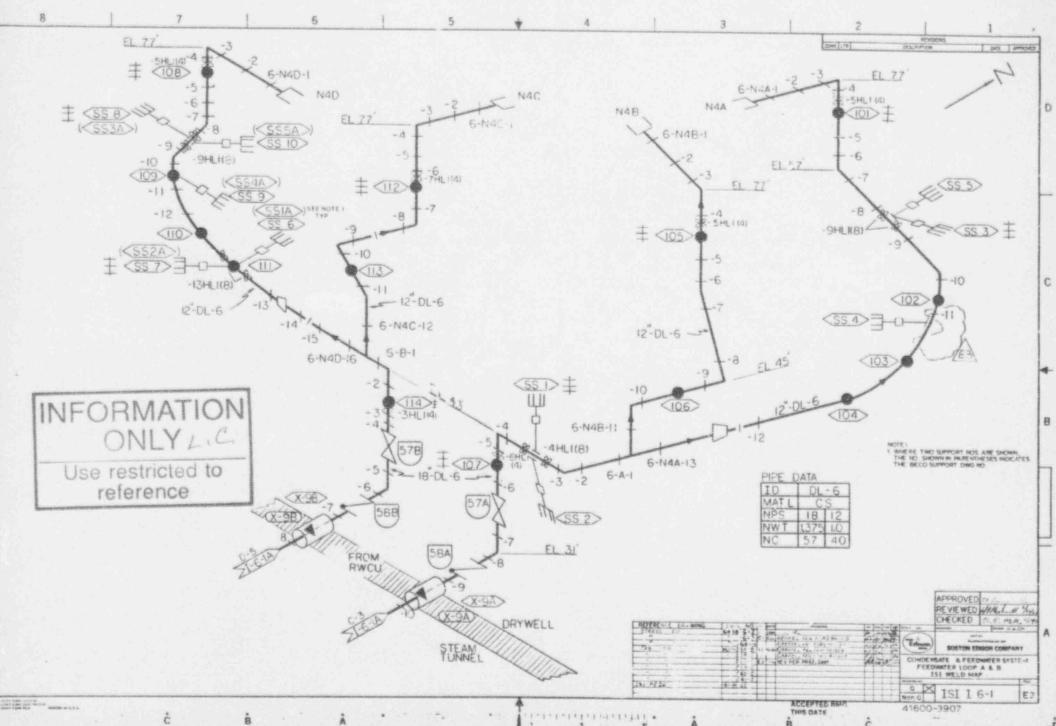




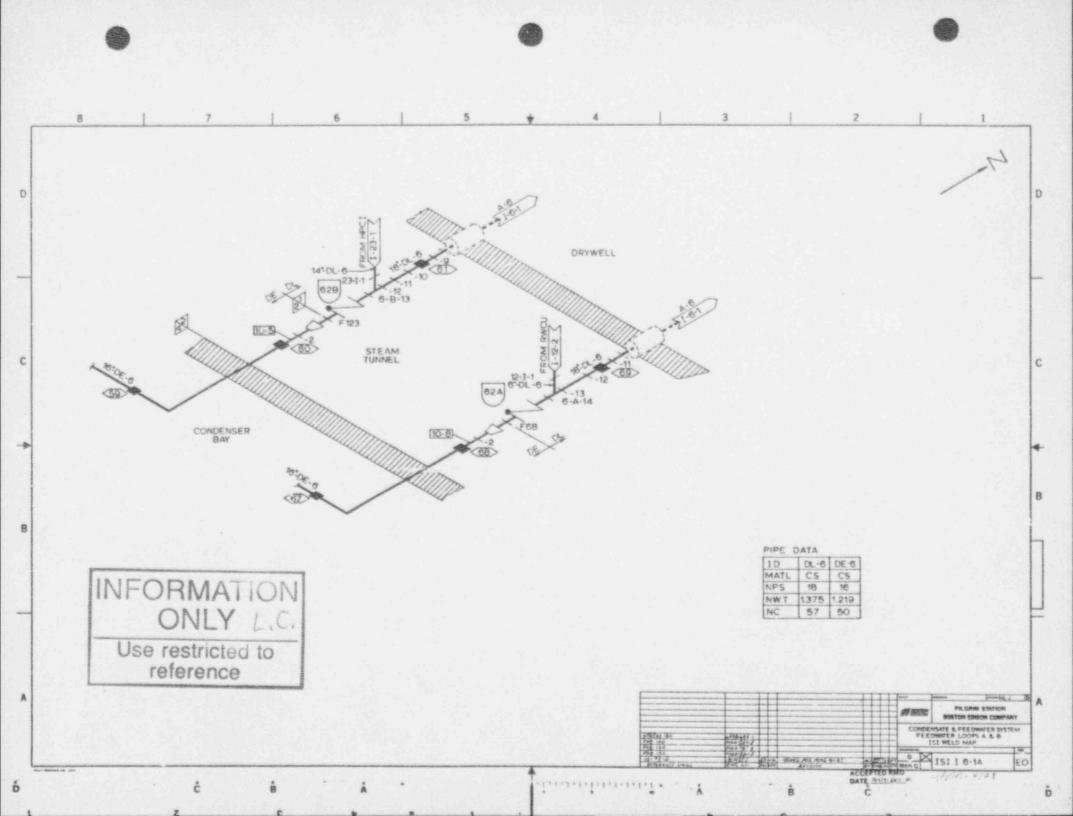
0



ò



Ď



## SECTION 4.0

# STONE & WEBSTER ENGINEERING CORP. 1992 INSERVICE INSPECTION FINAL REPORT TO BOSTON EDISON FOR MIDCYCLE 9 EXAMINATIONS

## SECTION 5.0

#### ABB AMDATA

# 1993 INSERVICE INSPECTION FINAL REPORT TO BOSTON EDISON FOR REFUEL OUTAGE #9 EXAMINATIONS

#### SECTION 6.0

GENERAL ELECTRIC NUCLEAR ENERGY (GENE) INSPECTION REPORT TO BOSTON EDISON FOR REFUEL OUTAGE #9 REACTOR WATER CLEANUP PIPING REPLACEMENT PRESERVICE EXAMINATIONS