

LIMERICK GENERATING STATION

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LIMERICK GENERATING STATION
UNIT 2
SUMMARY REPORT
FOR THE
JUNE 6, 1991 TO MARCH 16, 1993
PERIODIC INSERVICE INSPECTION

REPORT Nº 2

BOOK 1 OF 2

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

1. Owner Philadelphia Electric Company
2301 Market Street, Philadelphia, PA 19101
(Name and Address of Owner)

2. Plant Limerick Generating Station
P.O. Box 2300, Sanatoga, PA 19464-2300
(Name and Address of Plant)

3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A

5. Commercial Service Date January 8, 1990 6. National Board Number for Unit 3960

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Nuclear Reactor				
Vessel	Chicago Bridge & Iron Co.	B-5027	B116768	N/A
Class 1, 2, & 3				
Piping Systems				
& Supports	*	*	*	*

*Traceability per Form N-5 Data Report, Design Specification and Line Number.

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

FORM NIS-1 (Back)

8. Examination Dates June 6, 1991 to March 16, 1993 9. Inspection Interval from January 8, 1990 to January 8, 2000

10. Applicable Editions of Section XI 1986 Addenda N/A

11. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval.
SEE: Attachment 1, Summary of Examinations Performed and Indications Observed
Attachment 2, Reference Drawings - Class 1 and 2 Components

12. Abstract of Conditions Noted.
SEE: Attachment 1, Summary of Examinations Performed and Indications Observed

13. Abstract of Corrective Measures Recommended and Taken.
SEE: Attachment 3, Summary of ASME Section XI Repairs and Replacements

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

Certification of Authorization No. (if applicable) N/A Expiration Date N/A

Date June 4 19 93 Signed Philadelphia Electric Company By DL Schmitt

Owner

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 Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 6 JUNE 91 to 16 MARCH 93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul L. Schmitt Jr. Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 8 JUNE 19 93

LIMERICK GENERATING STATION
UNIT 2
SUMMARY REPORT
FOR THE
JUNE 6, 1991 TO MARCH 16, 1993
PERIODIC INSERVICE INSPECTION

REPORT Nº 2

ATTACHMENT 1

SUMMARY OF EXAMINATIONS PERFORMED
AND INDICATIONS OBSERVED

SUMMARY OF EXAMINATIONS PERFORMED:

During the period from June 6, 1991, through March 16, 1993, preservice and inservice inspections were performed at Limerick Generating Station, Unit 2. June 6, 1991, was the first day of the second fuel cycle. March 16, 1993, was the last day of the second refuel outage, 2R02. This day represents the end of the First Period of the First 10 Year Inspection Interval.

Examinations completed during this period were performed by Philadelphia Electric Company and General Electric Company. All examinations were performed in accordance with the requirements of ASME Section XI, 1986 Edition. A change in the ASME Section XI Code Effective Date from the 1980 Edition with Addenda through Winter 1981, used during the Construction Preservice Inspection, to the 1986 Edition for the First Interval required "Baseline" examinations of Code Category C-F-2 components.

In addition to examinations set forth by ASME Section XI, augmented examinations were performed in accordance with the following documents:

NRC Generic Letter 88-01
NUREG 0619
NUREG 0800
I. E. Bulletin 80-13
GE SIL 474
GE SIL 455
GE RICSIL 059

The attached List of Component Examinations details the inservice inspections performed during this period. A legend precedes this list to aid in review and interpretation of the document.

Summary Report #2
Attachment 1
Summary of Examinations Performed
Page 2 of 4

The following is a summary of the components where ASME Code coverage of the weld and required volume was limited beyond the extent permitted by Code Case N-460. Included is an estimate of the coverage that was achieved and any resulting actions. The cause of the limitation is identified in the List of Component Examinations.

COMPONENT ID	PERCENT CODE COVERAGE	ACTION
APE-2MS-LA-2 SWJ 1, 2, 3, 4	62.8%	Note 1
EBB-203-1 FW 28, 29, 30, 31, 32, 33, 34, 35	77.9%	Note 1
EBB-235-2 FW 24A, 13B, C, D FW 24B, 14B, C, D	80%	Note 1
RPV Stabilizer Brackets 0°, 45°, 135°	76%	Note 1
N2C, D, H, J	82%	Note 2
N4A	82.5%	Note 2
N4C	76.4%	Note 2
N4D, N4D-IR	85.8%	Notes 1 & 2
FR	87.5%	Note 1

Note 1: Submit Request for Relief prior to completion of the Inspection Interval.

Note 2: Limitation to automated examination techniques only. Schedule component for manual examination in area of limitation prior to completion of the Inspection Interval.

The following is a summary of the pressure tests performed in accordance with IWA-5000 during this period.

SYSTEM	PROCEDURE	PRESSURE TESTS	CATEGORY	RESULTS
All Class 1	ST-4-041-950-2	Leakage	B-P	SAT
Main Steam Class 2	ST-4-001-950-2	Inservice	C-H	SAT
2A RHR Service Water, Class 3	ST-4-012-950-2	Inservice	D-B	SAT
2B RHR Service Water, Class 3	ST-4-012-951-2	Inservice	D-B	SAT
RECW Class 2	ST-4-013-950-2	Inservice	C-H	SAT
D21 Diesel Fuel Oil Transfer Class 3	ST-4-020-951-2 ST-4-020-961-2	Functional Functional	D-A	SAT SAT
D22 Diesel Fuel Oil Transfer Class 3	ST-4-020-952-2 ST-4-020-962-2	Functional Functional	D-A	SAT SAT
D23 Diesel Fuel Oil Transfer Class 3	ST-4-020-953-2 ST-4-020-963-2	Functional Functional	D-A	SAT SAT
D24 Diesel Fuel Oil Transfer Class 3	ST-4-020-954-2 ST-4-020-964-2	Functional Functional	D-A	SAT SAT
MSIV Accumulators Class 3	ST-4-041-951-2	Inservice	D-A	SAT
Class 2 and 3 Instrument Tubing and Suppression Pool Clean-up	ST-4-042-951-2	Inservice	C-H D-A, B, C	SAT
Stand-by Liquid Control	ST-4-048-950-2 ST-4-048-952-2	Functional Inservice	C-H	SAT SAT
RCIC	ST-4-049-950-2 ST-4-049-951-2	Functional Inservice	C-H C-H	SAT SAT
RHR A Loop	ST-4-051-951-2	Functional	C-H	SAT
RHR B Loop	ST-4-051-952-2	Functional	C-H	SAT

Summary Report #2
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Summary of Examinations Performed
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SYSTEM	PROCEDURE	PRESSURE TESTS	CATEGORY	RESULTS
RHR C Loop	ST-4-051-953-2	Functional	C-H	SAT
RHR D Loop	ST-4-051-954-2	Functional	C-H	SAT
Core Spray A & C Loops	ST-4-052-951-2	Functional	C-H	SAT
Core Spray B & D Loops Class 2	ST-4-052-952-2	Functional	C-H	SAT
Safeguard Piping Fill, Class 2	ST-4-052-953-2	Functional	C-H	SAT
HPCI Class 2	ST-4-055-950-2 ST-4-055-951-2	Functional Inservice	C-H C-H	SAT SAT
Primary Containment Instrument Gas	ST-4-059-950-2 ST-4-059-951-2 ST-4-059-951-2	Inservice Functional Functional	D-A D-A D-A	SAT SAT SAT
Liquid Radwaste Collection, Class 2	ST-4-061-950-2	Inservice	C-H	SAT
Drywell Chilled Water, Class 2	ST-4-087-950-2	Inservice	C-H	SAT
D21 Diesel Auxiliary Systems	ST-4-092-961-2	Functional/ Inservice	D-A	SAT
D22 Diesel Auxiliary Systems	ST-4-092-962-2	Functional/ Inservice	D-A	SAT
D23 Diesel Auxiliary Systems	ST-4-092-963-2	Functional/ Inservice	D-A	SAT
D24 Diesel Auxiliary Systems	ST-4-092-964-2	Functional/ Inservice	D-A	SAT

SUMMARY OF INDICATIONS OBSERVED:

As a result of the examinations performed during the June 6, 1991, through March 16, 1993, inservice inspection period, numerous indications were recorded. Subsequent evaluations determined most indications to be non-revelant, either metallurgical or geometric in nature. No reportable indications were recorded as a result of inservice inspection.

LIST OF COMPONENT EXAMINATIONS (LEGEND):

1. System identification and Figure Number identifying the reference drawing applicable to the components listed below.
2. ASME Section XI Category and Item number applicable to the component. If there is an augmented requirement to perform an examination, then N/A + is listed in the location.
3. Component identification and description.
4. Exam method (NDE) applicable to the component.
5. NDE procedure used to perform the examination on the component.
6. Examination results broken down into 4 categories described below:
 - a. NOREC No recordable indications detected.
 - b. RECOR Recordable indications detected.
 - c. GEOM Geometric indications detected.
 - d. REPOR Reportable indications which required some type of corrective action.
7. Remarks field for information concerning the component examination or evaluation of examination results. The following is a list of acronyms used in the "Remarks" field:
 - a. Geometric/Metallurgical Indication
 - ISG Inside Surface Geometry, Counterbore, component Geometry, Nozzle bore
 - OSG Outside Surface Geometry
 - CIG Clad Interface Geometry, Clad Cutback
 - RG Root Geometry
 - MD Metallurgical Discontinuity, Safe-End Butter Inclusions
 - AI Acoustic Interface

b. Non-Geometric Indications

- PI Planar Indication
- LI Laminar Indication
- LNI Linear Indication
- SI Spot Indication
- RI Rounded Indication

c. Other

- NRI No Recordable Indications
- NRL Non-Relevant Indications -- Lift-Off, Couplant Noise, Electrical Noise, Water Signals, Indications Outside Inspection Volume
- BRD Beam Redirection
- RL Refracted Longitudinal Wave
- SC Shear Wave Component
- UT Ultrasonic Test
- MT Magnetic Particle Test
- PT Liquid Penetrant Test
- VT Visual Test
- WRV Weld and Required Volume

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List of Component Examinations (Legend)
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LIMERICK GENERATING STATION UNIT 2
INSERVICE INSPECTION SUMMARY
FIRST INTERVAL, FIRST PERIOD, SECOND OUTAGE (1993)
CLASS 1 COMPLETED COMPONENTS

SUMMARY EXAMINATION AREA NUMBER IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	N R R D E G R X C E P E O O O C R R R			REMARKS
<u>FW (FIG NO XI-DLA-205-1)</u>							
103300 DLA-205-1 FW1 24" CHECK VALVE HV-41-2FD74A TO FLUED HEAD (X-9A) 14 /287 /587 / 0	N/A* N/A	UT-45,60	UT-PE-002 REV 7 FRR LIM-07	X	X		NR1 UT-45, ISG UT-60
103500 DLA-205-1 FW3 FLUED HEAD (X-9A) TO 24" CHECK VALVE 41-2FD10A 14C /287 /473 / 5	N/A* N/A	UT-45	UT-PE-002 REV 7 FRR LIM-007		X		NR1
103800 DLA-205-1 FW2 ANCHOR: FLUED HEAD X-9A TO PENETRATION SLEEVE 14 /287 /587 / 0	F-A F1.10	VT-3	NDE-7 REV 2		X		NR1
<u>FW (FIG NO XI-DLA-206-1)</u>							
104100 HV-41-2FD74B (BOLTING) 24" A.D.CHECK VALVE HINGE PIN COVER BOLTING 13 /287 /587 / 0	B-G-2 B7.70	VT-1	NDE-7 REV 2		X		NR1
104200 HV-41-2FD74B (INT. SURF.) 24" A.D.CHECK VALVE (INTERNAL SURFACES) 13 /287 /587 / 0	B-N-2+ B12.50	VT-3	NDE-7 REV 2		X		NR1
104800 DLA-206-1 FW1 24" VALVE HV-41-2FD74B TO FLUED HEAD X-9B 13 /287 /587 / 0	N/A* N/A	UT-45,60	UT-PE-002 REV 7 FRR LIM-07	X	X		NR1 UT-45, ISG UT-60
105000 DLA-206-1 FW3 24" FLUED HEAD X-9B TO VALVE 41-2FD10B 13C /287 /473 /355	N/A* N/A	UT-45	UT-PE-002 REV 7 FRR LIM-07		X		NR1

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LIMERICK GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY
 FIRST INTERVAL, FIRST PERIOD, SECOND OUTAGE (1993)
 CLASS 1 COMPLETED COMPONENTS

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY	EXAM METHOD	PROCEDURE	N R R O E G E R C E P E O O O C R M R	REMARKS
<u>FW (FIG NO X1-DLA-205-1)</u>						
103300	DLA-205-1 FW1 24" CHECK VALVE HV-41-2F074A TO FLUED HEAD (X-9A) 14 /287 /587 / 0	N/A+ N/A	UT-45,60	UT-PE-002 REV 7 FRR LIM-07	X X	NR1 UT-45, ISG UT-60
103500	DLA-205-1 FW3 FLUED HEAD (X-9A) TO 24" CHECK VALVE 41-2F010A 14C /287 /473 / 3	N/A+ N/A	UT-45	UT-PE-002 REV 7 FRR LIM-007	X	NR1
103800	DLA-205-1 FW2 ANCHOR: FLUED HEAD X-9A TO PENETRATION SLEEVE 14 /287 /587 / 0	F-A F1.10	VT-3	NDE-7 REV 2	X	NR1
<u>FW (FIG NO X1-DLA-206-1)</u>						
104100	HV-41-2F074B (BOLTING) 24" A.O.CHECK VALVE HINGE PIN COVER BOLTING 13 /287 /587 / 0	B-G-2 B7.70	VT-1	NDE-7 REV 2	X	NR1
104200	HV-41-2F074B (INT. SURF.) 24" A.O.CHECK VALVE (INTERNAL SURFACES) 13 /287 /587 / 0	B-M-2+ B12.50	VT-3	NDE-7 REV 2	X	NRL
104800	DLA-206-1 FW1 24" VALVE HV-41-2F074B TO FLUED HEAD X-9B 13 /287 /587 / 0	N/A+ N/A	UT-45,60	UT-PE-002 REV 7 FRR LIM-07	X X	NR1 UT-45, ISG UT-60
105000	DLA-206-1 FW3 24" FLUED HEAD X-9B TO VALVE 41-2F010B 13C /287 /473 /355	N/A+ N/A	UT-45	UT-PE-002 REV 7 FRR LIM-07	X	NR1

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LIMERICK GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY
 FIRST INTERVAL, FIRST PERIOD, SECOND OUTAGE (1993)
 CLASS 1 COMPLETED COMPONENTS

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SUMMARY NUMBER	EXAMINATION IDENTIFICATION AREA	ASME		PROCEDURE	N R R D E E R C E P E O O O C R M R			REMARKS
		SEC. XI CATGY	EXAM METHOD					
<u>FW (FIG NO XI-DLA-207-1)</u>								
109000	DLA-207-1 W4A1 SAFE END TO SAFE END (GE)(AZ.30 DEGREES) 14C /307 /473 / 30	N/A+ N/A	UT-45	GE-UT-208 REV 0 FRR LIM-11, 22	X	X		NRL, ISG, RG
109300	DLA-207-1 W4B1 SAFE END TO SAFE END (GE)(AZ.90 DEGREES) 14C /307 /473 / 90	N/A+ N/A	UT-45	GE-UT-208 REV 0 FRR LIM-11, 22	X	X		NRL, ISG, RG
109600	DLA-207-1 W4C1 SAFE END TO SAFE END (GE)(AZ.150 DEGREES) 18C /307 /473 /150	N/A+ N/A	UT-45	GE-UT-208 REV 0 FRR LIM-11, 22	X			NRL
110000	DLA-207-1 W4A2 SAFE END TO NOZZLE (GE) (AZ.30 DEGREES) 14C /307 /473 / 30	N/A+ N/A	UT-45	GE-UT-208 REV 0 FRR LIM-11, 22	X	X		NRL, ISG, RG
110200	DLA-207-1 W4B2 SAFE END TO NOZZLE (GE) (AZ.90 DEGREES) 14C /307 /473 / 90	N/A+ N/A	UT-45	GE-UT-208 REV 0 FRR LIM-11, 22	X	X		NRL, ISG, RG
110400	DLA-207-1 W4C2 SAFE END TO NOZZLE (GE) (AZ.150 DEGREES) 18C /307 /473 /150	N/A+ N/A	UT-45	GE-UT-208 REV 0 FRR LIM-11, 22	X			NRL
<u>FW (FIG NO XI-DLA-208-1)</u>								
116200	DLA-208-1 W4F1 SAFE END TO SAFE END (GE)(AZ.330 DEGREES) 13C /307 /473 /330	N/A+ N/A	UT-45	GE-UT-208 REV 0 FRR LIM-11, 22	X	X		NRL, ISG, RG, 2 SI ACCEPTABLE TO ASME XI 1986

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LIMERICK GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY
 FIRST INTERVAL, FIRST PERIOD, SECOND OUTAGE (1993)
 CLASS 1 COMPLETED COMPONENTS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY	EXAM METHOD	PROCEDURE	N R R			REMARKS
					D E G E	R C E P	E O O O	
		ITEM NO			C	R	M	R
<u>FW (FIG NO XI-DLA-208-1)</u>								
116500	DLA-208-1 N4E1 SAFE END TO SAFE END (GE)(AZ.270 DEGREES) 13C /307 /473 /270	N/A+ N/A	UT-45	GE-UT-208 REV 0 FRR LIM-11, 22	X	X		NRL, ISG, RG
116800	DLA-208-1 N4D1 SAFE END TO SAFE END (GE)(AZ.210 DEGREES) 17C /307 /473 /210	N/A+ N/A	UT-45	GE-UT-208 REV 0 FRR LIM-11, 22	X	X		NRL, ISG, RG
117000	DLA-208-1 N4D2 SAFE END TO NOZZLE (GE) (AZ.210 DEGREES) 17C /307 /473 /210	N/A+ N/A	UT-45	GE-UT-208 REV 0 FRR LIM-11, 22	X	X		NRL, ISG, RG
117200	DLA-208-1 N4E2 SAFE END TO NOZZLE (GE) (AZ.270 DEGREES) 13C /307 /473 /270	N/A+ N/A	UT-45	GE-UT-208 REV 0 FRR LIM-11, 22	X	X		NRL, ISG, RG
117400	DLA-208-1 N4F2 SAFE END TO NOZZLE (GE) (AZ.330 DEGREES) 13C /307 /473 /330	N/A+ N/A	UT-45	GE-UT-208 REV 0 FRR LIM-11, 22	X	X		ISG, RG, NRL
<u>FW (FIG NO XI-DBB-203-1)</u>								
120700	DBB-203-1 FW6 24" PIPE TO VALVE HV-41-2F074A 25 /287 /587 / 0	N/A+ N/A	UT-45	UT-PE-002 REV 7 FRR LIM-07	X			NRI
<u>FW (FIG NO XI-DBB-204-1)</u>								
123500	DBB-204-1 FW2 VALVE HV-41-2F032B TO 24"x 24"x 16" RED TEE 2528/7 /587 / 0	N/A+ N/A	UT-45,60	UT-PE-002 REV 7 FRR LIM-07	X			ISG UT-45, RG UT-60 COVERAGE LIMITED TO 79.5% OF WRV DUE TO CONFIGURATION, VALVE TO TEE

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LIMERICK GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY
 FIRST INTERVAL, FIRST PERIOD, SECOND OUTAGE (1993)
 CLASS 2 COMPLETED COMPONENTS

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY	EXAM METHOD	PROCEDURE	N R R			REMARKS
					C	R	M	
<u>FW (FIG NO XI-DBB-204-1)</u>								
123700	DBB-204-1 FW3 16" PIPE TO VALVE HV-41-209B 25 /283 /587 / 0	N/A+ N/A	UT-45	UT-PE-002 REV 7 FRR LIM-07	X			RG
123900	DBB-204-1-1A SW2 24"x 24"x 16" RED TEE TO 24" PIPE 25 /287 /587 / 0	N/A+ N/A	UT-45	UT-PE-002 REV 7 FRR LIM-07	X			ISG
124100	DBB-204-1-1B SW4 16" ELBOW TO 16" ELBOW 25 /287 /587 / 0	N/A+ N/A	UT-45	UT-PE-002 REV 7 FRR LIM-07	X			RG
124300	DBB-204-1-1B SW5 16" ELBOW TO PIPE 25 /287 /587 / 0	N/A+ N/A	UT-45	UT-PE-002 REV 7 FRR LIM-07	X			NRI
124500	DBB-204-1-1A SW7 24" PIPE TO 24"x 6" SWEEPOLET 25 /287 /587 / 0	N/A+ N/A	UT-45	UT-PE-002 REV 7 FRR LIM-07	X			NRI COVERAGE LIMITED TO 92.9% OF WRV DUE TO I-BEAM 25"-33"
124700	DBB-204-1 FW6 24" PIPE TO VALVE HV-41-2F074B 25 /287 /587 / 0	N/A+ N/A	UT-45	UT-PE-002 REV 7 FRR LIM-07	X	X		RG, 1 SI ACCEPTABLE TO ASME XI 1986
124900	DBB-204-1 FW4 24" X 24" X 16" RED. TEE TO 16" ELBOW 25 /287 /587 / 0	N/A+ N/A	UT-45	UT-PE-002 REV 7 FRR LIM-07	X	X		RG, NRL COVERAGE LIMITED TO 73.5% OF WRV DUE TO CONFIGURATION, TEE TO ELBOW
125500	DBB-204-1 FW3 24" PIPE TO VALVE HV-41-2F032B 25 /287 /587 / 0	N/A+ N/A	UT-45	UT-PE-002 REV 7 FRR LIM-07	X			NRI

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LIMERICK GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY
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 CLASS 1 COMPLETED COMPONENTS

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY	EXAM METHOD	PROCEDURE	N R R			REMARKS
					O	E	E	
					R C E P			
					E O O O			
					C R M R			
<u>HPCI (FIG NO XI-DBA-206-1)</u>								
125800	DBA-206-1 FW7 10" PIPE TO VALVE HV-55-2F002 17C /246 /473 /215	N/A+ N/A	UT-45	UT-PE-002 REV 7 FRR LIM-07	X			RG
127300	DBA-206-1-3B SW3 10" PIPE TO 10"x10"x10" TEE 17C /250 /473 /216	N/A+ N/A	UT-45	UT-PE-002 REV 7 FRR LIM-07	X			RG
127500	DBA-206-1-3B SW4 10"x10"x10" TEE TO 10" BLIND FLANGE 17C /250 /473 /214	N/A+ N/A	UT-45	UT-PE-002 REV 7 FRR LIM-07	X			RG
127600	DBA-206-1-3B SW5 10"x10"x10" TEE TO 10" PIPE 17C /249 /473 /215 17C /249 /473 /215	B-J+ B9.11	MT UT-45	MT-PE-001 REV 1 FRR LIM-06 UT-PE-002 FRR LIM-07	X			NRI MT, RG UT-45
127700	DBA-206-1-3B SW5 10"x10"x10" TEE TO 10" PIPE 17C /249 /473 /215	N/A+ N/A	UT-45	UT-PE-002 REV 7 FRR LIM-07	X			RG
127800	DBA-206-1-3B SW6 10" PIPE TO ELBOW 17C /248 /473 /215 17C /248 /473 /215	B-J+ B9.11	MT UT-45	MT-PE-001 REV 1 LIM-06 UT-PE-002 REV 7 LIM-07	X			NRI MT, RG UT-45
127900	DBA-206-1-3B SW6 10" PIPE TO ELBOW 17C /248 /473 /215	N/A+ N/A	UT-45	UT-PE-002 REV 7 FRR LIM-07	X			RG
128000	DBA-206-1-3B SW7 10" ELBOW TO PIPE 17C /247 /473 /247 17C /247 /473 /247	B-J+ B9.11	MT UT-45	MT-PE-001 REV 1 FRR LIM-06 UT-PE-002 REV 7 FRR LIM-07	X			NRI MT, RG UT-45

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LIMERICK GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY
 FIRST INTERVAL, FIRST PERIOD, SECOND OUTAGE (1993)
 CLASS 1 COMPLETED COMPONENTS

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY	EXAM METHOD	PROCEDURE	N R R O E G E R C E P E O O O C R M R			REMARKS
					ITEM NO			
<u>HPCI (FIG NO XI-DBA-206-1)</u>								
128100	DBA-206-1-3B SW7 10" ELBOW TO PIPE 17C /247 /473 /247		UT-45	UT-PE-002 REV 7 FRR LIM-07			X	RG
		W/A+						
		N/A						
<u>HPCI (FIG NO XI-EBB-229-1)</u>								
145500	EBB-229-1-1 SW1 14"x10" ECC. REDUCER TO 14" PIPE 1B /182 /180 / 0		MT	MT-PE-001 REV 1 FRR LIM-06			X	NRI MT, RG UT-45
		C-F-2						
		C5.51	UT-45	UT-PE-002 REV 7 FRR LIM-07			X	
<u>MS (FIG NO XI-APE-2MS-LA)</u>								
172100	APE-2MS-LA-2 SWJ1 2 1/2"x2"x2 1/2" LUG 26" PIPE (HA1) 14C /316 /473 / 72		MT	MT-PE-001 REV 1 FRR LIM-06			X	NRI ASME CODE COVERAGE LIMITED TO 62.8% OF WRV DUE TO PIPE CLAMP
		B-K-1 B10.10						
172200	APE-2MS-LA-2 SWJ2 2 1/2"x2"x2 1/2" LUG 26" PIPE (HA1) 14C /316 /473 / 72		MT	MT-PE-001 REV 1 FRR LIM-06			X	NRI ASME CODE COVERAGE LIMITED TO 62.8% OF WRV DUE TO PIPE CLAMP
		B-K-1 B10.10						
172300	APE-2MS-LA-2 SWJ3 2 1/2"x2"x2 1/2" LUG 26" PIPE (HA1) 14C /316 /473 / 72		MT	MT-PE-001 REV 1 FRR LIM-06			X	NRI ASME CODE COVERAGE LIMITED TO 62.8% OF WRV DUE TO PIPE CLAMP
		B-K-1 B10.10						
172400	APE-2MS-LA-2 SWJ4 2 1/2"x2"x2 1/2" LUG 26" PIPE (HA1) 14C /316 /473 / 72		MT	MT-PE-001 REV 1 FRR LIM-06			X	NRI ASME CODE COVERAGE LIMITED TO 62.8% OF WRV DUE TO PIPE CLAMP
		B-K-1 B10.10						

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<u>MS (FIG NO XI-APE-2MS-LA)</u>								
172500	HV-41-2F022A (BOLTING) 26" A.O.GLOBE VALVE BONNET BOLTING 14C /274 /473 / 10	B-G-2 B7.70	VT-1	NDE-7 REV 2	X			NR1
172600	HV-41-2F022A (INT. SURF.) 26" A.O.GLOBE VALVE (INTERNAL SURFACES) 14C /274 /473 / 10	B-M-2 B12.50	VT-3	NDE-7 REV 2	X			NR1
172800	PSV-41-2F013A (BOLTING) 6" X 10" RELIEF VALVE BONNET/2ND.STAGE BONNET 14C /291 /473 / 72	B-G-2 B7.70	VT-1	NDE-7 REV 2	X			NR1
172900	APE-2MS-LA-2 SWC LTING) FLANGE BOLTING AT APE-2MS-LA-2 SWC 14C /291 /473 / 72	B-G-2 B7.50	VT-1	NDE-7 REV 2	X			NR1
173000	PSV-41-2F013E (BOLTING) 6" X 10" RELIEF VALVE BONNET/2ND STAGE BONNET 14C /291 /473 / 72	B-G-2 B7.70	VT-1	NDE-7 REV 2	X			NR1
173100	APE-2MS-LA-2 SWF (BOLTING) FLANGE BOLTING AT APE-2MS-LA-2 SWF 14C /291 /473 / 72	B7.50	VT-1	NDE-7 REV 2	X			NR1
173200	PSV-41-2F013J (BOLTING) 6" X 10" RELIEF VALVE BONNET/2ND STAGE BONNET 14C /280 /473 / 72	B-G-2 B7.70	VT-1	NDE-7 REV 2	X			NR1

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					D	E	E	
					R	C	E	P
					E	O	O	
					C	R	M	R
<u>MS (FIG NO XI-APE-2MS-LA)</u>								
173300	APE-2MS-LA-2 SWS (BOLTING) FLANGE BOLTING AT APE-2MS-LA-2 B-G-2 SWS 14C /280 /473 / 72	B7.50	VT-1	NDE-7 REV 2	X			NR1
173400	APE-2MS-LA-2 SWN (BOLTING) FLANGE BOLTING AT APE-2MS-LA-2 B-G-2 SWN 14C /280 /473 / 72	B7.50	VT-1	NDE-7 REV 2	X			NR1
173500	PSV-41-2F013A (INT. SURF.) 6" X 10" RELIEF VALVE (INTERNAL SURFACES) 14C /291 /473 / 72	B-M-2 B12.50	VT-3	NDE-7 REV 2	X			NR1
173700	PSV-41-2F013E (INT. SURF.) 6" X 10" RELIEF VALVE (INTERNAL SURFACES) 14C /291 /473 / 72	B-M-2 B12.50	VT-3	NDE-7 REV 2	X			NR1
173800	PSV-41-2F013J (INT. SURF.) 6" X 10" RELIEF VALVE (INTERNAL SURFACES) 14C /280 /473 / 72	B-M-2 B12.50	VT-3	NDE-7 REV 2	X			NR1
174200	APE-2MS-LA WA04 26" ELBOW TO VALVE HV-41-2F022A 14C /274 /473 / 10	N/A+ N/A	UT-45	UT-PE-002 REV 7 FRR LIM-07	X			NR1
174400	APE-2MS-LA WA05 26" VALVE HV-41-2F022A TO FLUED HEAD (X-7A) 14C /274 /473 / 10	N/A+ N/A	UT-45	UT-PE-002 REV 7 FRR LIM-07	X			NR1

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					D E D	R C E	P O O	
		ITEM NO			C	R	X	
<u>MS (FIG NO X1-APE-2MS-LA)</u>								
174500	APE-2MS-LA WA06 FLUED HEAD (X-7A) TO VALVE HV-41-2F028A 25 /274 /587 / 0	B-J+ B9.11	MT UT-45	MT-PE-001 REV 1 FRR LIM-06 UT-PE-002 REV 7 FRR LIM-07	X		X	NR1 MT, RG UT-45
174600	APE-2MS-LA WA06 FLUED HEAD (X-7A) TO VALVE HV-41-2F028A 25 /274 /587 / 0	N/A+ N/A	UT-45	UT-PE-002 REV 7 FRR LIM-07			X	RG
174700	APE-2MS-LA-18 SWA 26" PIPE TO ELBOW 14C /321 /473 / 72 14C /321 /473 / 72	B-J B9.11	MT UT-45	MT-PE-001 REV 1 FRR LIM-06 UT-PE-002 REV 7 FRR LIM-07	X		X	NR1 MT, NR1 UT-45
174900	APE-2MS-LA-2 SWD 26" PIPE TO 26"x8" SWEEPOLET 14C /291 /473 / 72 14C /291 /473 / 72	B-J B9.31	MT UT-45	MT-PE-001 REV 1 FRR LIM-06 UT-PE-002 REV 7 FRR LIM-07	X		X	NR1 MT, NR1 UT-45
175000	APE-2MS-LA-2 SWE 26"x8" SWEEPOLET TO 8" PIPE 14C /291 /473 / 72 14C /291 /473 / 72	B-J B9.11	MT UT-45	MT-PE-001 REV 1 FRR LIM-06 UT-PE-002 REV 7 FRR LIM-07	X		X	NR1 MT, NR1 UT-45
175200	APE 2MS-LA-2 SWA 26" PIPE TO 26"x8" SWEEPOLET 14C /291 /473 / 72 14C /291 /473 / 72	B-J B9.31	MT UT-45	MT-PE-001 REV 1 FRR LIM-06 UT-PE-002 REV 7 FRR LIM-07	X		X	NR1 MT, NR1 UT-45
175300	APE-2MS-LA-2 SWB 26"x8" SWEEPOLET TO 8" PIPE 14C /291 /473 / 72 14C /291 /473 / 72	B-J B9.11	MT UT-45	MT-PE-001 REV 1 FRR LIM-06 UT-PE-002 REV 7 FRR LIM-07	X		X	NR1 MT, NR1 UT-45

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<u>MS (FIG NO XI-APE-2MS-LA)</u>								
175700	APE-2MS-LA-2 SWL 26" PIPE TO 26"x8" SWEEPolet 14C /280 /473 / 72 14C /280 /473 / 72	B-J B9.31	MT UT-45	MT-PE-001 REV 1 FRR LIM-06 UT-PE-002 REV 7 FRR LIM-07	X			NR1 MT, NR1 UT-45
176500	APE-2MS-LA-37 SWA 26" PIPE TO ELBOW 14C /321 /473 / 10	N/A+ N/A	UT-45	UT-PE-002 REV 7 FRR LIM-07		X		RG
176800	APE-2MS-LA WA01 SAFE END TO PIPE (GE) (AZ. 72) 14C /321 /473 / 72 14C /321 /473 / 72	B-J B9.11	MT UT-45	MT-PE-001 REV 1 FRR LIM-06 UT-PE-002 REV 7 FRR LIM-07	X			NR1 MT, NR1 UT-45
176900	APE-2MS HA1 VARIABLE SUPPORT 14C /316 /473 / 72	F-A F1.10	V7-3	NDE-7 REV 2		X		1 RECORDABLE INDICATION ACCEPTABLE TO ASME XI PER WCR LG-93-00060
<u>MS (FIG NO XI-APE-2MS-LB)</u>								
178500	PSV-41-2F013B (BOLTING) 6" X 10" RELIEF VALVE BONNET/2ND STAGE BONNET 18C /291 /473 /108	B-G-2 B7.70	VT-1	NDE-7 REV 2		X		NR1
178600	APE-2MS-LB-5 SWC (BOLTING) FLANGE BOLTING AT APE-2MS-LB-5 SWC 18C /291 /473 /108	B-G-2 B7.50	VT-1	NDE-7 REV 2		X		NR1
178700	PSV-41-2F013F (BOLTING) 6" X 10" RELIEF VALVE BONNET/2ND STAGE BONNET 18C /291 /473 /108	B-G-2 B7.70	VT-1	NDE-7 REV 2		X		NR1

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<u>MS (FIG NO XI-APE-2MS-LB)</u>							
178800	APE-2MS-LB-5 SWF (BOLTING) FLANGE BOLTING AT APE-2MS-LB-5 SWF 18C /291 /473 /10B	B-G-2	B7.50	VT-1	NDE-7 REV 2	X	NR1
178900	PSV-41-2FD13K (BOLTING) 6" X 10" RELIEF VALVE BONNET/2ND STAGE BONNET 18C /281 /473 /10B	B-G-2	B7.70	VT-1	NDE-7 REV 2	X	NR1
179000	APE-2MS-LB-5 SWJ (BOLTING) FLANGE BOLTING AT APE-2MS-LB-5 SWJ 18C /281 /473 /10B	B-G-2	B7.50	VT-1	NDE-7 REV 2	X	NR1
179100	PSV-41-2FD13M (BOLTING) 6" X 10" RELIEF VALVE BONNET/2ND STAGE BONNET 18C /281 /473 /10B	B-G-2	B7.70	VT-1	NDE-7 REV 2	X	NR1
179600	PSV-41-2FD13B (INT. SURF.) 6" X 10" RELIEF VALVE (INTERNAL SURFACES) 18C /291 /473 /10B	B-M-2	B12.50	VT-3	NDE-7 REV 2	X	NR1
179700	PSV-41-2FD13F (INT. SURF.) 6" X 10" RELIEF VALVE (INTERNAL SURFACES) 18C /291 /473 /10B	B-M-2	B12.50	VT-3	NDE-7 REV 2	X	NR1
179800	PSV-41-2FD13K (INT. SURF.) 6" X 10" RELIEF VALVE (INTERNAL SURFACES) 18C /281 /473 /10B	B-M-2	B12.50	VT-3	NDE-7 REV 2	X	NR1

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<u>MS (FIG NO XI-APE-2MS-LB)</u>								
179900	PSV-41-2F013M (INT. SURF.) 6" X 10" RELIEF VALVE (INTERNAL SURFACES) 18C /281 /473 /108	B-M-2 B12.50	VT-3	NDE-7 REV 2	X			NRI
<u>MS (FIG NO XI-APE-2MS-LC)</u>								
185000	HV-41-2F022C (BOLTING) 26" A.O.GLOBE VALVE BONNET BOLTING 13C /274 /473 /340	B-G-2 B7.70	VT-1	NDE-7 REV 2	X			NRI
185100	HV-41-2F028C (BOLTING) 26" A.O.GLOBE VALVE BONNET BOLTING 25 /274 /587 / 0	B-G-2 B7.70	VT-1	NDE-7 REV 2	X			NRI
185200	PSV-41-2F013C (BOLTING) 6" X 10" RELIEF VALVE BONNET/2ND STAGE BONNET 17C /291 /473 /252	B-G-2 B7.70	VT-1	NDE-7 REV 2	X			NRI
185300	APE-2MS-LC-B SWF (BOLTING) FLANGE BOLTING AT APE-2MS-LC-B SWF 17C /291 /473 /252	B-G-2 B7.50	VT-1	NDE-7 REV 2	X			NRI
185400	PSV-41-2F013G (BOLTING) 6" X 10" RELIEF VALVE BONNET/2ND STAGE BONNET 17C /291 /473 /252	B-G-2 B7.70	VT-1	NDE-7 REV 2	X			NRI
185500	APE-2MS-LC-B SWC (BOLTING) FLANGE BOLTING AT APE-2MS-LC-B SWC 17C /252 /473 /252	B-G-2 B7.50	VT-1	NDE-7 REV 2	X			NRI

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					O E G E	R C E P	E O O O	
					C R M R			
<u>MS (FIG NO XI-APE-2MS-LC)</u>								
185600	PSV-41-2F013L (BOLTING) 6" X 10" RELIEF VALVE BONNET/2ND STAGE BONNET 17C /281 /473 /252	B-G-2 B7.70	VT-1	NDE-7 REV 2	X			NRI
185700	APE-2MS-LC-B SWM (BOLTING) FLANGE BOLTING AT APE-2MS-LC-B SWM 17C /281 /473 /252	B-G-2 B7.50	VT-1	NDE-7 REV 2	X			NRI
185900	HV-41-2F022C (INT. SURF.) 26" A.O. GLOBE VALVE (INTERNAL SURFACES) 13C /274 /473 /340	B-M-2 B12.50	VT-3	NDE-7 REV 2	X			NRI
186000	HV-41-2F028C (INT. SURF.) 26" A.O. GLOBE VALVE (INTERNAL SURFACES) 25 /274 /587 / 0	B-M-2 B12.50	VT-3	NDE-7 REV 2	X			NRI
186100	PSV-41-2F013C (INT. SURF.) 6" X 10" RELIEF VALVE (INTERNAL SURFACES) 17C /291 /473 /252	B-M-2 B12.50	VT-3	NDE-7 REV 2	X			NRI
186200	PSV-41-2F013G (INT. SURF.) 6" X 10" RELIEF VALVE (INTERNAL SURFACES) 17C /291 /473 /252	B-M-2 B12.50	VT-3	NDE-7 REV 2	X			NRI
186300	PSV-41-2F013L (INT. SURF.) 6" X 10" RELIEF VALVE (INTERNAL SURFACES) 17C /281 /473 /252	B-M-2 B12.50	VT-3	NDE-7 REV 2	X			NRI

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					O	E	E	
					R	C	E	P
					E	O	O	D
					C	R	M	R
<u>MS (FIG NO XI-APE-2MS-LD)</u>								
190900	HV-41-2F022D (BOLTING) 26" A.O.GLOBE VALVE BONNET BOLTING 17C /274 /473 /350	B-G-2		VT-1 NDE-7 REV 2	X			NR1
191000	HV-41-2F028D (BOLTING) 26" A.O.GLOBE VALVE BONNET BOLTING 25 /274 /480 / 0	B-G-2		VT-1 NDE-7 REV 2	X			NR1
191100	PSV-41-2F013D (BOLTING) 5" X 10" RELIEF VALVE BONNET/2ND STAGE BONNET 17C /291 /473 /288	B-G-2		VT-1 NDE-7 REV 2	X			NR1
191200	APE-2MS-LD-11 SWF (BOLTING) FLANGE BOLTING AT APE-2MS-LD-11 SWF 17C /291 /473 /288	B-G-2		VT-1 NDE-7 REV 2	X			NR1
191300	PSV-41-2F013H (BOLTING) 6" X 10" RELIEF VALVE BONNET/2ND STAGE BONNET 17C /291 /473 /288	B-G-2		VT-1 NDE-7 REV 2	X			NR1
191400	APE-2MS-LD-11 SWC (BOLTING) FLANGE BOLTING AT APE-2MS-LD-11 SWC 17C /291 /473 /288	B-G-2		VT-1 NDE-7 REV 2	X			NR1
191500	PSV-41-2F013M (BOLTING) 6" X 10" RELIEF VALVE BONNET/2ND STAGE BONNET 17C /280 /473 /288	B-G-2		VT-1 NDE-7 REV 2	X			NR1

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<u>MS (FIG NO X1-APE-2MS-LD)</u>						
191600	APE-2MS-LD-11 SWN (BOLTING) FLANGE BOLTING AT APE-2MS-LD-11 SWN 17C /280 /473 /288	B-G-2 B7.50	VT-1	NDE-7 REV 2	X	NR1
191700	PSV-41-2F013S (BOLTING) 6" X 10" RELIEF VALVE BONNET/2ND STAGE BONNET 17C /280 /473 /288	B-G-2 B7.70	VT-1	NDE-7 REV 2	X	NR1
191800	APE-2MS-LD-11 SWS (BOLTING) FLANGE BOLTING AT APE-2MS-LD-11 SWS 17C /280 /473 /288	B-G-2 B7.50	VT-1	NDE-7 REV 2	X	NR1
191900	HV-41-2F022D (INT. SURF.) 26" A.O. GLOBE VALVE (INTERNAL SURFACES) 17C /274 /473 /350	B-M-2 B12.50	VT-3	NDE-7 REV 2	X	NR1
192000	HV-41-2F028D (INT. SURF.) 26" A.O. GLOBE VALVE (INTERNAL SURFACES) 25 /274 /480 / 0	B-M-2 B12.50	VT-3	NDE-7 REV 2	X	NR1
192200	PSV-41-2F013H (INT. SURF.) 6" X 10" RELIEF VALVE (INTERNAL SURFACES) 17C /291 /473 /288	B-M-2 B12.50	VT-3	NDE-7 REV 2	X	NR1
192300	PSV-41-2F013M (INT. SURF.) 6" X 10" RELIEF VALVE (INTERNAL SURFACES) 17C /280 /473 /288	B-M-2 B12.50	VT-3	NDE-7 REV 2	X	NR1

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					D E G E	R C E P	E O O O		
					C	R	M	R	
<u>MS (FIG NO XI-APE-2MS-LD)</u>									
192400	PSV-41-2F013S (INT. SURF.) 6" X 10" RELIEF VALVE (INTERNAL SURFACES) 1/c /280 /473 /288	B-M-2 B12.50	VT-3	NDE-7 REV 2	X				NR1
<u>MS (FIG NO XI-EBB-203-1)</u>									
215600	EBB-203-1 FW28 8" SCH. 160 PIPE STANCHION TO 26" PIPE (H10) 9 /259 /464M / 0	C-C C3.20	MT	MT-PE-001 REV 1 FRR LIM-06	X				NR1 ASME CODE COVERAGE LIMITED TO 77.9% OF WRV DUE TO EBB-203 H10
215700	EBB-203-1 FW29 8" SCH. 160 PIPE STANCHION TO 26" PIPE (H10) 9 /259 /464M / 0	C-C C3.20	MT	MT-PE-001 REV 1 FRR LIM-06	X				NR1 ASME CODE COVERAGE LIMITED TO 77.9% OF WRV DUE TO EBB-203 H10
215800	EBB-203-1 FW30 8" SCH. 160 PIPE STANCHION TO 26" PIPE (H10) 9 /259 /464M / 0	C-C C3.20	MT	MT-PE-001 REV 1 FRR LIM-06	X				NR1 ASME CODE COVERAGE LIMITED TO 77.9% OF WRV DUE TO EBB-203 H10
215900	EBB-203-1 FW31 8" SCH. 160 PIPE STANCHION TO 26" PIPE (H10) 9 /259 /464M / 0	C-C C3.20	MT	MT-PE-001 REV 1 FRR LIM-06	X				NR1 ASME CODE COVERAGE LIMITED TO 77.9% OF WRV DUE TO EBB-203 H10
216000	EBB-203-1 FW32 8" SCH. 160 PIPE STANCHION TO 26" PIPE (H10) 9 /259 /464M / 0	C-C C3.20	MT	MT-PE-001 REV 1 FRR LIM-06	X				NR1 ASME CODE COVERAGE LIMITED TO 77.9% OF WRV DUE TO EBB-203 H10
216100	EBB-203-1 FW33 8" SCH. 160 PIPE STANCHION TO 26" PIPE (H10) 9 /259 /464M / 0	C-C C3.20	MT	MT-PE-001 REV 1 FRR LIM-06	X				NR1 ASME CODE COVERAGE LIMITED TO 77.9% OF WRV DUE TO EBB-203 H10

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<u>MS (FIG NO XI-EBB-203-1)</u>						
216200	EBB-203-1 FW34 8" SCH. 160 PIPE STANCHION TO 26" PIPE (H10) 9 /259 /464M / 0	C-C C3.20	MT	MT-PE-001 REV 1 FRR LIM-06	X	NRI ASME CODE COVERAGE LIMITED TO 77.9% OF WRV DUE TO EBB-203 H10
216300	EBB-203-1 FW35 8" SCH. 160 PIPE STANCHION TO 26" PIPE (H10) 9 /259 /464M / 0	C-C C3.20	MT	MT-PE-001 REV 1 FRR LIM-06	X	NRI ASME CODE COVERAGE LIMITED TO 77.9% OF WRV DUE TO EBB-203 H10
216500	EBB-203-1 FW2 26" ELBOW TO PIPE 25 /271 /480 / 0	N/A+ N/A	RT	RT-PE-011 REV 0	X	NRI
216700	EBB-203-1-1 FW2 LU MIN ELBOW SEAM MINIMUM 25 /271 /480 / 0	N/A+ N/A	RT	RT-PE-011 REV 0	X	NRI
216900	EBB-203-1-1 FW2 LU MAX ELBOW SEAM MAXIMUM 25 /271 /480 / 0	N/A+ N/A	RT	RT-PE-011 REV 0	X	NRI
217100	EBB-203-1-1 SW1 26" PIPE TO ELBOW 25 /480 /480 / 0	N/A+ N/A	RT	RT-PE-011 REV 0	X	NRI
217300	EBB-203-1-1 SW1 LD MIN ELBOW SEAM MINIMUM 25 /274 /480 / 0	N/A+ N/A	RT	RT-PE-011 REV 0	X	NRI
217500	EBB-203-1-1 SW1 LD MAX ELBOW SEAM MAXIMUM 25 /274 /480 / 0	N/A+ N/A	RT	RT-PE-011 REV 0	X	NRI

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					O	E	E	
					R	C	E	P
					E	O	O	O
					C	R	M	R
<u>MS (FIG NO XI-EBB-203-1)</u>								
218900	EBB-203-1 FW10 26" PIPE TO PIPE		MT	MT-PE-001 REV 1	X			NRI MT, RG UT-45
	5 /256 /355M / 0	C-F-2		FRR LIM-06				ASME CODE COVERAGE (UT) LIMITED TO 99.2%
	5 /256 /355M / 0	C5.51	UT-45	UT-PE-002 REV 7		X		OF WRV DUE TO CONFIGURATION, ASME CODE
				FRR LIM-07				PLATE COMPLETE PER CODE CASE N-460
221400	EBB-203-1 FW36 26" VALVE HV-41-2FD28A TO 26" PIPE I.D. 23.647" MATCH V I.D. 25 /274 /480 / 0	N/A+ N/A	UT-45	UT-PE-002 REV 7		X		RG ONE SIDED EXAMINATION, SCAN PIPE SIDE ONLY
				FRR LIM-07				
222200	EBB-203 N10 RIGID SUPPORT 9 /259 /464M / 0	F-A	VT-3	NDE-7 REV 2		X		NRI
		F1.20						
<u>RCIC (FIG NO XI-EBB-235-1)</u>								
310400	EBB-235-1-2B SW2 6" ELBOW TO PIPE 18 /209 /279 / 0 18 /209 /279 / 0		MT	MT-PE-001 REV 1	X			NRI MT, RG UT-45
		C-F-2		FRR LIM-06				
		C5.51	UT-45	UT-PE-002 REV 7		X		
				FRR LIM-07				
311300	EBB-235-1 FW14 6" PIPE TO PIPE 18 /209 /279 / 0 18 /209 /279 / 0		MT	MT-PE-001 REV 1	X			NRI MT, RG UT-45
		C-F-2		FRR LIM-06				
		C5.51	UT-45	UT-PE-002 REV 7		X		
				FRR LIM-07				
<u>RCIC (FIG NO XI-EBB-235-2)</u>								
313100	EBB-235-2 FW24A LUG EBB-235-2-43 TO 6" PIPE (H-27) 14 /242 /370 / 0		MT	MT-PE-001 REV 1	X			NRI ASME CODE COVERAGE LIMITED TO 80% OF WRV DUE TO CONFIGURATION, PIPE CLAMP
		C-C		FRR LIM-06				
		C3.20						

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<u>RCIC (FIG NO XI-EBB-235-2)</u>						
313200	EBB-235-2 FW13B LUG EBB-235-2-26 TO 6" PIPE (H-27) 14 /242 /370 / 0	C-C C3.20	MT	MT-PE-001 REV 1 FRR LIM-06	X	NRI ASME CODE COVERAGE LIMITED TO 80% OF WRV DUE TO CONFIGURATION, PIPE CLAMP
313300	EBB-235-2 FW13C LUG EBB-235-2-27 TO 6" PIPE (H-27) 14 /242 /370 / 0	C-C C3.20	MT	MT-PE-001 REV 1 FRR LIM-06	X	NRI ASME CODE COVERAGE LIMITED TO 80% OF WRV DUE TO CONFIGURATION, PIPE CLAMP
313400	EBB-235-2 FW15D LUG EBB-235-2-28 TO 6" PIPE (H-27) 14 /242 /370 / 0	C-C C3.20	MT	MT-PE-001 REV 1 FRR LIM-06	X	NRI ASME CODE COVERAGE LIMITED TO 80% OF WRV DUE TO CONFIGURATION, PIPE CLAMP
313500	EBB-235-2 FW24B LUG EBB-235-2-44 TO 6" PIPE (H-27) 14 /242 /370 / 0	C-C C3.20	MT	MT-PE-001 REV 1 FRR LIM-06	X	NRI ASME CODE COVERAGE LIMITED TO 80% OF WRV DUE TO CONFIGURATION, PIPE CLAMP
313600	EBB-235-2 FW14B LUG EBB-235-2-30 TO 6" PIPE (H-27) 14 /242 /370 / 0	C-C C3.20	MT	MT-PE-001 REV 1 FRR LIM-06	X	NRI ASME CODE COVERAGE LIMITED TO 80% OF WRV DUE TO CONFIGURATION, PIPE CLAMP
313700	EBB-235-2 FW14C LUG EBB-235-2-31 TO 6" PIPE (H-27) 14 /242 /370 / 0	C-C C3.20	MT	MT-PE-001 REV 1 FRR LIM-06	X	NRI ASME CODE COVERAGE LIMITED TO 80% OF WRV DUE TO CONFIGURATION, PIPE CLAMP
313800	EBB-235-2 FW14D LUG EBB-235-2-32 TO 6" PIPE (H-27) 14 /242 /370 / 0	C-C C3.20	MT	MT-PE-001 REV 1 FRR LIM-06	X	NRI ASME CODE COVERAGE LIMITED TO 80% OF WRV DUE TO CONFIGURATION, PIPE CLAMP

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<u>RCIC (FIG NO XI-EBB-235-2)</u>						
316800	EBB-235 H27 RIGID SUPPORT 14 /242 /370 / 0	F-A F1.20	VT-3	NDE-7 REV 2	X	NRI
<u>RHR (FIG NO XI-DCA-418-3)</u>						
345500	DCA-418-3-2 SW3 12" PIPE TO PIPE (BIMETALLIC) 17C /297 /473 /230 17C /297 /473 /230	B-F B5.130	PT UT-45	LP-PE-001 REV 3 FRR LIM-05 UT-PE-002 REV 7 FRR LIM-07	X X	NRI PT, NRI UT-45
347000	DCA-418-3-2 SW3 LD PIPE SEAM 17C /297 /473 /230 17C /297 /473 /230	B-J B9.12	PT UT-45	LP-PE-001 REV 3 FRR LIM-05 UT-PE-002 REV 7 FRR LIM-07	X X	NRI PT, RG UT-45
347500	DCA-418-3 N17C SAFE END TO NOZZLE (A2.225 DEG.) 17C /297 /473 /225	N/A+ N/A	UT-45,45RL 60RL	GE-UT-209 REV 0 FRR LIM-12, 23	X X	NRI RG UT-45, NRI RG ISG UT-45RL, NRI AT ISG UT-60RL
<u>RHR (FIG NO XI-2P-202)</u>						
367100	ZBP-202 SWC-2 16 DISCHARGE ELBOW TO HEAD FLANGE WELD 18 /177 /174 / 0	C-G C6.10	MT	MT-PE-001 REV 1 FRR LIM-006	X	NRI
<u>RHR (FIG NO XI-GBB-201-1)</u>						
379600	GBB-201-1 FW7 CIRC.WELD OF GBB-201-1 (H2) (3/4" WRAPPER PLATE) TO 18" 17 /180 /173 / 0	C-C C3.20	MT	MT-PE-001 REV 1 FRR LIM-06	X	NRI

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		CATGY	EXAM					
NUMBER	IDENTIFICATION	ITEM NO	METHOD					
<u>RHR (FIG NO XI-GBB-201-1)</u>								
379700	GBB-201-1 FW8 CIRC.WELD OF GBB-201-1 (H2) (3/4" WRAPPER PLATE) TO 18" 17 /180 /173 / 0	C-C C3.20	MT	MT-PE-001 REV 1 FRR LIM-06	X			NRI
379800	GBB-201-1 FW9 LONG. WELD OF GBB-201-1 (H2) (3/4" WRAPPER PLATE) TO 18" 17 /180 /173 / 0	C-C C3.20	MT	MT-PE-001 REV 1 FRR LIM-06	X			NRI
379900	GBB-201-1 FW10 LONG. WELD OF GBB-201-1 (H2) (3/4" WRAPPER PLATE) TO 18" 17 /180 /173 / 0	C-C C3.20	MT	MT-PE-001 REV 1 FRR LIM-06	X			NRI
382400	GBB-201 H2 RIGID SUPPORT 17 /180 /173 / 0	F-A F1.20	VT-3	NDE-7 REV 2	X			NRI
<u>RHR (FIG NO XI-GBB-217-1)</u>								
425900	GBB-217-1 FWBA LUG GBB-217-1-6 TO 18" PIPE (H1) 17 /191 /173 / 0	C-C C3.20	MT PT	MT-PE-001 REV 1 FRR LIM-06 LP-PE-001 REV 3 FRR LIM-05	X X			NRI MT, 1 LI PT ACCEPTABLE TO ASME XI 1986
426000	GBB-217-1 FWBB LUG GBB-217-1-7 TO 18" PIPE (H1) 17 /191 /173 / 0	C-C C3.20	MT PT	MT-PE-001 REV 1 FRR LIM-06 LP-PE-001 REV 3 FRR LIM-05	X X			NRI MT, NRI PT
426100	GBB-217-1 FWBC LUG GBB-217-1-8 TO 18" PIPE (H1) 17 /191 /173 / 0	C-C C3.20	MT PT	MT-PE-001 REV 1 FRR LIM-06 LP-PE-001 REV 3 FRR LIM-05	X X			NRI MT, NRI PT

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		CATGY	EXAM METHOD					
<u>RHR (FIG NO XI-GBB-217-1)</u>								
426200	GBB-217-1 FWBD LUG GBB-217-1-9 TO 18" PIPE (H1) 17 /191 /173 / 0	C-C	MT PT	MT-PE-001 REV 1 FRR LIM-06 LP-PE-001 REV 3 FRR LIM-05	X			NRI MT, NRI PT
426300	GBB-217-1 FWBE LUG GBB-217-1-10 TO 18" PIPE (H1) 17 /191 /173 / 0	C-C	MT PT	MT-PE-001 REV 1 FRR LIM-06 LP-PE-001 REV 3 FRR LIM-05	X			NRI MT, NRI PT
426400	GBB-217-1 FWBF LUG GBB-217-1-11 TO 18" PIPE (H1) 17 /191 /173 / 0	C-C	MT PT	MT-PE-001 REV 1 FRR LIM-06 LP-PE-001 REV 3 FRR LIM-05	X			NRI MT, NRI PT
426500	GBB-217-1 FWBG LUG GBB-217-1-12 TO 18" PIPE (H1) 17 /191 /173 / 0	C-C	MT PT	MT-PE-001 REV 1 FRR LIM-06 LP-PE-001 REV 3 FRR LIM-05	X			NRI MT, NRI PT
426600	GBB-217-1 FWBH LUG GBB-217-1-13 TO 18" PIPE (H1) 17 /191 /173 / 0	C-C	MT PT	MT-PE-001 REV 1 FRR LIM-06 LP-PE-001 REV 3 FRR LIM-05	X			NRI MT, NRI PT
428300	GBB-217 H1 RIGID SUPPORT 17 /191 /173 / 0	F-A	VT-3	NDE-7 REV 2	X			NRI
<u>RHR (FIG NO XI-HBB-217-1)</u>								
487300	HBB-217-1 FW2 24" PENETRATION (K-203A) TO VALVE HV-51-2F004A 17 /192 /173 / 0	C-F-2 C5.51	MT UT-0,45	MT-PE-001 REV 1 FRR LIM-06 UT-PE-002 REV-7 FRR LIM-07	X		X X	NRI MT, 1 S1 UT-0 ACCEPTABLE TO ASME XI 1986 ISG UT-45

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					O	E	E	
					R	C	R	
					E	O	O	
					C	R	N	
<u>RHR (FIG NO X1-HBB-217-1)</u>								
487700	HBB-217-1 FW53 24" ELBOW TO PIPE	C-F-2	MT	MT-PE-001 REV 1 FRR LIM-06	X			NRI MT, NRI UT-0, RG UT-45
	17 /181 /173 / 0	C5.51	UT-0,45	UT-PE-002 REV 7 FRR LIM-07	X	X		
	17 /181 /173 / 0							
<u>RHR (FIG NO X1-HBB-218-1)</u>								
495100	HBB-218-1 FW7 VALVE HV-51-2F008 TO 20" PIPE	C-F-1	PT	LP-PE-001 REV 3 FRR LIM-05	X			NRI PT, NRI UT-45
	18 /244 /376 / 0	C5.11	UT-45	UT-PE-002 REV 7 FRR LIM-07	X			
	18 /244 /376 / 0							
495200	HBB-218-1 FW8 20" PIPE TO PIPE (BIMETALLIC)	C-F-1	PT	LP-PE-001 REV 3 FRR LIM-05	X			NRI PT, NRI UT-45
	18 /242 /376 / 0	C5.11	UT-45	UT-PE-002 REV 7 FRR LIM-07	X			
	18 /242 /376 / 0							
<u>RHR (FIG NO X1-HBB-218-3)</u>								
501700	HBB-218-3 FW7 20" PIPE TO VALVE HV-51-2F006A	C-F-2	MT	MT-PE-001 REV 1 FRR LIM-06	X			NRI MT, NRI UT-0,45 ONE SIDED EXAMINATION
	17 /184 /173 / 0	C5.51	UT-0,45	UT-PE-002 REV 7 FRR LIM-07	X			SCANNED PIPE SIDE ONLY
	17 /184 /173 / 0							
<u>RHR (FIG NO X1-HBB-218-4)</u>								
504700	HBB-218-4 FW1 ELBOW TO 24"x24"x20" RED. TEE	C-F-2	MT	MT-PE-001 REV 1 FRR LIM-06	X			NRI MT, NRI UT-0, ISG UT-45
	17 /181 /173 / 0	C5.51	UT-0,45	UT-PE-002 REV 7 FRR LIM-07	X	X		
	17 /181 /173 / 0							
505200	HBB-218-4-1 SW5 24" PIPE TO 24"x24"x20" RED. TEE	C-F-2	MT	MT-PE-001 REV 1 FRR LIM-06	X			NRI MT, NRI UT-0, ISG & RG UT-45
	17 /182 /173 / 0	C5.51	UT-0,45	UT-PE-002 REV 7 FRR LIM-07	X	X		

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					O	E	G	
					R	C	E	P
					E	D	O	O
					C	R	M	R
<u>RHR (FIG NO XI-HBB-218-4)</u>								
505900	HBB-218-4-1 SW2 LU REDUCER SEAM 17 /181 /173 / 0 17 /181 /173 / 0	C-F-2 C5.52	MT UT-0,45	MT-PE-001 REV 1 FRR LIM-06 UT-PE-002 REV 7 FRR LIM-07	X			NRI MT, NRI UT-0,45
506000	HBB-218-4-1 SW2 30" X 24" ECC. REDUCER TO ELBOW 17 /181 /173 / 0	C-F-2 C5.51	MT UT-0,45	MT-PE-001 REV 1 FRR LIM-06 UT-PE-002 REV 7 FRR LIM-07	X		X	NRI MT, NRI UT-0, 1SG UT-45
<u>RHR (FIG NO XI-HBB-218-6)</u>								
509300	HBB-218-6-1 SW3 24" PIPE TO 30"x24" ECC. REDUCER 17 /181 /173 / 0	C-F-2 C5.51	MT UT-0,45	MT-PE-001 REV 1 FRR LIM-06 UT-PE-002 REV 7 FRR LIM-07	X		X	NRI MT, NRI UT-0, 1SG UT-45
509900	HBB-218-6-1 SW3 LD REDUCER SEAM 17 /181 /173 / 0 17 /181 /173 / 0	C-F-2 C5.52	MT UT-0,45	MT-PE-001 REV 1 FRR LIM-06 UT-PE-002 REV 7 FRR LIM-07	X		X	NRI MT, NRI UT-0, 1SG UT-45
<u>RPV (FIG NO XI-BE-5 PG. 1)</u>								
534400	CRD HOUSING FLANGE BOLTING 185 CRD HOUSING FLANGES B/FLNG B-G-2 BH, 266*3", - BH, 266*3", -	B-G-2 B7.80	VT-1	MDE-7 REV 2	X			LOCATIONS: 14-15, 14-23, 14-31, 18-31, 22-15,22-23, 22-31, 22-47, 26-27, 26-31, 26-39, 30-19, 30-23, 30-27, 30-31, 30-35, 30-39, 30-47, 34-27, 34-31, 38-03, 38-23, 38-31, 38-47, 42-03, 46-19, 46-23, 46-31, 50-31,
<u>RPV (FIG NO XI-BF-7 PG. 2)</u>								
535900	RPV-21N N7 (BOLTING) HEAD SPRAY FLANGE B STUDS/16 NU AREA 13, ROOM 710A, ELEV 340	B-G-2 B7.10	VT-1	MDE-1 REV 3	X			NRI

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					D E G E	R C E P	E O O D	
		ITEM NO			C	R	M	R
<u>RPV (FIG NO XI-BH-3 PG. 1)</u>								
536000	RPV STABILIZER BRACKET (0 DEG.) BRACKET TO RPV WELD 14C, 313'4", 0 DEG 14C, 313'4", 0 DEG	B-H BB.10	MT VT-1	MT-PE-001 REV 1 FRR LIM-06 NDE-1 REV 3	X			NRI MT, NRI VT-1; ASME CODE COVERAGE LIMITED TO 76% OF WRV DUE TO BIO SHIELD AND INSULATION, VT-1 PERFORMED IN LIMITED AREA
536100	RPV STABILIZER BRACKET (45 DEG.) BRACKET TO RPV WELD 14C, 313'4", 45 DEG. 14C, 313'4", 45 DEG.	B-H BB.10	MT PT VT-1	MT-PE-001 REV 1 FRR LIM-06 LP-PE-001 REV 3 FRR LIM-05 NDE-1 REV 3	X			1/4" LI MT ACCEPTABLE TO ASME XI 1986, NRI MT NRI VT-1; ASME CODE COVERAGE LIMITED TO 76% OF WRV DUE TO BIO SHIELD AND INSULATION, PT, VT-1 PERFORMED IN LIMITED AREA
536300	RPV STABILIZER BRACKET (135 DEG.) BRACKET TO RPV WELD 18C, 313'4", 135 DEG 18C, 313'4", 135 DEG	B-H BB.10	MT PT VT-1	MT-PE-001 REV-1 FRR LIM-06 LP-PE-001 REV 3 FRR LIM-05 NDE-1 REV 3	X			NRI MT, NRI PT, NRI VT-1; ASME CODE COVERAGE LIMITED TO 76% OF WRV DUE TO BIO SHIELD AND INSULATION; PT,VT-1 PERFORMED IN LIMITED AREA
<u>RPV (FIG NO XI-BH-4 PG. 1)</u>								
536800	LIFTING LUG (0 DEG.) LUG TO CLOSURE HEAD WELD FF, 352', 0 DEG	N/A+ N/A	MT	MT-PE-001 REV 1 FRR LIM-06	X			NRI MT
<u>RPV (FIG NO XI-BN-1 PG. 1,2)</u>								
537300	STEAM DRYER DRYER ASSY WELDS, SURFACE & LUG FF, 352', -	N/A+ N/A	VT-1,3	NDE-8 REV 4	X			NRI; VT-1 OF DRAIN CHANNEL WELDS PER S1L 474
<u>RPV (FIG NO XI-BN-10 PG. 1)</u>								
538000	SHROUD-SUPPORT CYLINDER WELD SHROUD SUPPORT WELD RPV INTR, 277'3, CIRC	B-X-2 B13.40	VT-3	NDE-8 REV 4	X			NRI; INSPECTION AT 300 DEG. AZ

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					O E G E	R C E P	E O O O		
					C	R	M	R	
<u>RPV (FIG NO XI-BN-10 PG. 1)</u>									
539200	SHROUD SUPPORT LEG (300 DEG) SHROUD SUPPORT ASSY. WELDS RPV INTR, 266'3"-276', 300 DEG	B-N-2 B13.40	VT-3	NDE-8 REV 4	X				NR1; ACCESS THROUGH JP #18
<u>RPV (FIG NO XI-BN-2 PG. 2)</u>									
540600	SHROUD HEAD BOLTS 48 BOLT ASSY'S, LUGS & BRACKETS FF, 352', -	N/A+ N/A	VT-3	NDE-7 REV 2	X				NRL; INSPECTED REPLACEMENT BOLT #7 ONLY
<u>RPV (FIG NO XI-BN-6 PG. 1)</u>									
551300	CONTROL ROD DRIVE ASSY'S (185) 185 GUIDE TUBES & CRD HOUSINGS RPV INTR, 266'3"-283'6", - RPV INTR, 266'3"-283'6", -	B-N-2 B13.40	VT-3	NDE-7 REV 2	X				NR1; INSPECTED 29 CRD'S DURING REBUILD, SEE SUM NO 534400 FOR LOCATIONS. INSPECTION OF GUIDE TUBES AND HOUSINGS FROM RPV INTERIOR NOT PERFORMED
551400	CONTROL ROD ASSEMBLIES (185) 185 RODS BY CORE POSITION RPV INTR, 283'6" - 298', -	B-N-1 B13.10	VT-3	NDE-8 REV 4	X				INSPECTED CRB 34-07; MINOR SCRATCHES NOTED
<u>RPV (FIG NO XI-BN-6 PG. 2)</u>									
551500	STUB TUBE TO CRD HOUSING WELD (185) CRD HOUSINGS RPV INTR, 266'3", -	B-N-2 B13.40	VT-3	NDE-8 REV 4	X				NR1; INSPECTIONS AT 300 DEG. AZ
551600	CRD STUB TUBE TO RPV WELD (185) CRD HOUSINGS RPV INTR, 266'3", -	B-N-2 B13.40	VT-3	NDE-8 REV 4	X				NR1; INSPECTIONS AT 300 DEG. AZ
<u>RPV (FIG NO XI-BN-7 PG. 1)</u>									
551700	TOP GUIDE ASSEMBLY WELDS & SURFACES RPV INTR, 298', -	B-N-1 B13.10	VT-3	NDE-8 REV 4	X				NR1; INSPECTIONS AT CORE CELL 34-07

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						O E G E	R C E P	E O O O		
						C R M R				
<u>RPV (FIG NO XI-BN-7 PG. 4)</u>										
552200	DRIFCED FUEL SUPPORT (185) 185 CASTINGS BY CORE POSITION RPV INTR, 283'6", -	B-M-1	B13.10	VT-3	NDE-B REV 4	X				NR1; INSPECTED FUEL SUPPORT PIECE 34-07
<u>RPV (FIG NO XI-BN-B PG. 2)</u>										
552300	T-BOX-FRONT COVER PLT WLD (60 DEG) HEADER T-BOX WELD	N/A+	N/A	VT-1	NDE-B REV 4	X				NR1
552400	T-BOX-FRONT COVER PLT WLD (300 DEG) HEADER T-BOX WELD	N/A+	N/A	VT-1	NDE-B REV 4	X				NR1
552500	T-BOX-THERMAL SLEEVE WELD (300 DEG) HEADER T-BOX WELD	N/A+	N/A	VT-1	NDE-B REV 4	X				NR1
552600	T-BOX-THERMAL SLEEVE WELD (60 DEG) HEADER T-BOX WELD	N/A+	N/A	VT-1	NDE-B REV 4	X				NR1
<u>RPV (FIG NO XI-BN-B PG. 5)</u>										
552800	A CORE SPRAY SPARGER (N5A) UPPER SPARGER ASSY. & BRKTS RPV INTR, 299'2", 273-88 DEG.	N/A+	N/A	VT-1	NDE-B REV 4	X				NR1
553000	A CORE SPRAY DOWNCOMER (N5A) PIPE ASSY., HDR TO SPARGER RPV INTR, 306'7"-299'2" 10 DEG	N/A+	N/A	VT-1	NDE-B REV 4	X				NR1

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					O E G E	R C E P	E O O O		
					C	R	M	R	
<u>RPV (FIG NO XI-BN-8 PG. 5)</u>									
553200	C CORE SPRAY SPARGER (N5A) UPPER SPARGER ASSY. & BRKTS RPV INTR, 299'2", 93-267 DEG.	N/A+ N/A	VT-1	NDE-8 REV 4					NRI
553400	C CORE SPRAY DOWNCOMER (N5A) PIPE ASSY., HDR TO SPARGER RPV INTR, 306'7"-299'2" 170 DEGN/A	N/A+	VT-1	NDE-8 REV 4	X				NRI
553600	A & C CORE SPRAY HEADER (N5A) PIPE ASSY. & BRACKETS RPV INTR, 306'7", 10-170 DEG.	N/A+ N/A	VT-1	NDE-8 REV 4	X				NRI
553800	B CORE SPRAY SPARGER (N5B) LOWER SPARGER ASSY. & BRKTS RPV INTR, 297'11", 273-88 DEG	N/A+ N/A	VT-1	NDE-8 REV 4	X				NRI
554000	B CORE SPRAY DOWNCOMER (N5B) PIPE ASSY., HDR TO SPARGER RPV INTR, 306'7"-297'11" 350 DEB/A	N/A+	VT-1	NDE-8 REV 4	X				NRI
554200	D CORE SPRAY SPARGER (N5B) LOWER SPARGER ASSY. & BRKTS RPV INTR, 297,11", 93-267 DEG.	N/A+ N/A	VT-1	NDE-8 REV 4	X				NRI
554400	D CORE SPRAY DOWNCOMER (N5B) PIPE ASSY., HDR TO SPARGER RPV INTR, 306'7"-297'11" 190 DEB/A	N/A+	VT-1	NDE-8 REV 4	X				NRI
554600	B & D CORE SPRAY HEADER (N5B) PIPE ASSY. & BRACKETS RPV INTR, 306'7", 190-350 DEG.	N/A+ N/A	VT-1	NDE-8 REV 4	X				NRI

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<u>RPV (FIG NO XI-FA-1 PG. 2)</u>								
560600	CB SKIRT KNUCKLE ASSY. WELD 14C, VW, 12 DEG.	F-A F1.40	VT-3	NDE-7 REV 2	X			NR1
560700	CC SKIRT KNUCKLE ASSY. WELD 18C, VW, 102 DEG.	F-A F1.40	VT-3	NDE-7 REV 2	X			NR1
561300	CK SKIRT FLANGE ASSY. WELD 14C, VW, 0 DEG.	F-A F1.40	VT-3	NDE-7 REV 2	X			NR1
561400	CM SKIRT FLANGE ASSY. WELD 14C, VW, 60 DEG.	F-A F1.40	VT-3	NDE-7 REV 2	X			NR1
561500	CN SKIRT FLANGE ASSY. WELD 18C, VW, 120 DEG.	F-A F1.40	VT-3	NDE-7 REV 2	X			NR1
561900	CT SKIRT TO FLANGE WELD CIRC, 265', CIRC	F-A F1.40	VT-3	NDE-7 REV 2	X			NR1; EXAMINED 0 TO 120 DEG. ONLY
562000	CW SKIRT TO SKIRT KNUCKLE WELD CIRC, 271', CIRC	F-A F1.40	VT-3	NDE-7 REV 2	X			NR1
<u>RPV (FIG NO XI-FA-1 PG. 3)</u>								
562100	SKIRT FLANGE BOLTS 1-20 SKIRT FLANGE-RING GIRDER BOLTIN PED, 260', 0-120 DEG	F-A F1.40	VT-3	NDE-7 REV 2	X			NR1

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<u>RPV (FIG NO XI-FA-1 PG. 3)</u>						
562200	SKIRT FLANGE NUTS 1-20 SKIRT FLANGE-RING GIRDER BOLTIN PED, 260', 0-120 DEG	F-A F1.40	VT-3	NDE-7 REV 2	X	NRI
562300	SKIRT FLANGE WASHERS 1U,L-20U,L SKIRT FLANGE-RING GIRDER BOLTIN PED, 260', 0-120 DEG	F-A F1.40	VT-3	NDE-7 REV 2	X	NRI
563000	RING GIRDER SECT BOLTING 60 DEG 4 BOLTS, 4 NUTS PED, 260', 60 DEG.	F-A F1.40	VT-3	NDE-7 REV 2	X	2 BOLT ASSEMBLIES FOUND LOOSE RECORDED PREVIOUSLY DURING PSI, ACCEPTABLE PER BECHTEL WCR# 12886
563100	RING GIRDER SECT BOLTING 150 DEG 4 BOLTS, 4 NUTS PED, 260', 150 DEG.	F-A F1.40	VT-3	NDE-7 REV 2	X	OUTER BOLT ASSMBLY FOUND LOOSE RECORDED PREVIOUSLY DURING PSI, ACCEPTABLE PER BECHTEL WCR# 12866
563200	RING GIRDER SECT BOLTING 240 DEG 4 BOLTS, 4 NUTS PED, 260', 240 DEG.	F-A F1.40	VT-3	NDE-7 REV 2	X	NRI
563300	RING GIRDER SECT BOLTING 330 DEG 4 BOLTS, 4 NUTS PED, 260', 330 DEG.	F-A F1.40	VT-3	NDE-7 REV 2	X	NRI
563400	RING GIRDFR BOLTS 1A,B-20A,B RING GIRDER ANCHOR BOLTING PED, 260', 0-120 DEG	F-A F1.40	V1-J	NDE-7 REV 2	X	NRI
563500	RING GIRDER NUTS 1A,B-20A,B RING GIRDER ANCHOR BOLTING PED, 260', 0-120 DEG	F-A F1.40	VT-3	NDE-7 REV 2	X	NRI

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						O E G	R C E	P O O		
						C	R	M	R	
<u>RPV (FIG NO XI-FA-1 PG. 3)</u>										
563600	RING GIRDER WASHERS 1A,B-20A,B RING GIRDER ANCHOR BOLTING PED, 260", 0-120 DEG	F-A	F1.40	VT-3	NDE-7 REV 2	X				NRI
<u>RPV (FIG NO XI-FA-2 PG. 1-3)</u>										
564300	RPV STABILIZER (0 DEG) STABILIZER ASSEMBLY & BRACKETS 14C, 313'4", 0 DEG	F-A	F1.40	VT-3	NDE-7 REV 2	X				NRI
564400	RPV STABILIZER (45 DEG) STABILIZER ASSEMBLY & BRACKETS 14C, 313'4", 45 DEG	F-A	F1.40	VT-3	NDE-7 REV 2	X				NRI
564600	RPV STABILIZER (135 DEG) STABILIZER ASSEMBLY & BRACKETS 18C, 313'4", 135 DEG	F-A	F1.40	VT-3	NDE-7 REV 2	X				NRI
<u>RPV (FIG NO XI-RPV-2 PG. 1,2)</u>										
565100	AA BOTTOM SIDE SHELL 1 TO BOTTOM HEAD CIRC, 276'9", CIRC	B-A	B1.11	UT-0,45,60	GE-UT-400 REV 0 FRR LIM-14	X	X			NRI UT-0, CIG UT-45,60
565200	AA TOP SIDE SHELL 1 TO BOTTOM HEAD CIRC, 276'9", CIRC CIRC, 276'9", CIRC	B-A	B1.11	UT-0,45,60	UT-PE-005 REV 4 FRR LIM 10 UT-0,45,60 GE-UT-400 REV 0 FRR LIM-14	X			X X	OSG UT-0, CIG & NRI UT-45, CIG UT-60; ASME CODE COVERAGE LIMITED TO 95.9% OF WRV DUE TO W1 & W8 NOZZLES, COMPLETE PER CODE CASE N-460
565900	AE BOTTOM SIDE SHELL 4 TO SHELL 5 CIRC, 318'2", CIRC CIRC, 318'2", CIRC	B-A	B1.11	UT-0,45,60	UT-PE-005 REV 4 FRR LIM-10 UT-0,45,60 GE-UT-400 REV 0 FRR LIM-14	X			X X X	NRI UT-0, CIG & NRI UT-45, CIG UT-60; ASME CODE COVERAGE LIMITED TO 99.9% OF WRV DUE TO W12 NOZZLE, COMPLETE PER CODE CASE N-460

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					O E G E	R C E P	E O O O	
					C R M R			
<u>RPV (FIG NO XI-RPV-2 PG. 1,2)</u>								
566000	AE TOP SIDE SHELL 4 TO SHELL 5 CIRC, 318"2", CIRC CIRC, 318"2", CIRC	B-A B1.11	UT-0,45,60 UT-0,45,60	UT-PE-005 REV 4 FRR LIM-10 GE-UT-400 REV 0 FRR LIM-14	X X X			CIG UT-0, CIG & NRL UT-45, CIG UT-60; ASME CODE COVERAGE LIMITED TO 99.4% OF WRV DUE TO N3 NOZZLE, COMPLETE PER CODE CASE N-460
566200	AF TOP SIDE SHELL 5 RPV CLOSURE FLANGE CIRC, 325"11", CIRC	B-A B1.30	UT-0	UT-PE-006 REV 4 FRR LIM-29	X X			NRI 0 TO 120 DEG., ISG 120 TO 180 DEG.
566300	BA LEFT SIDE SHELL 1 VERTICAL SEAM WELD 13C, VW, 317 DEG. 13C, VW, 317 DEG.	B-A B1.12	UT-0,45,60 UT-0,45,60	UT-PE-005 REV 4 FRR LIM-10 GE-UT-400 REV 0 FRR LIM-14	X X X X			NRI UT-0, CIG & NRL UT-45, CIG UT-60; ASME CODE COVERAGE LIMITED TO 99.9% OF WRV DUE TO N2 NOZZLE, COMPLETE PER CODE CASE N-460
566400	BA RIGHT SIDE SHELL 1 VERTICAL SEAM WELD 13C, VW, 317 DEG.	B-A B1.12	UT-0,45,60	GE-UT-400 REV 0 FRR LIM-14	X X			NRI UT-0 & 60, CIG UT-45
566500	BB LEFT SIDE SHELL 1 VERTICAL SEAM WELD 14C, VW, 77 DEG. 14C, VW, 77 DEG.	B-A B1.12	UT-45,60 UT-0,45,60	UT-PE-005 REV 4 FRR LIM-10 GE-UT-400 REV 0 FRR LIM-14	X X X X			ISG UT-0, CIG & NRL UT-45, CIG UT-60
566600	BB RIGHT SIDE SHELL 1 VERTICAL SEAM WELD 14C, VW, 77 DEG.	B-A B1.12	UT-0,45,60	GE-UT-400 REV 0 FRR LIM-14	X			ISG UT-0, CIG & NRL UT-45, CIG UT-60
566700	BC LEFT SIDE SHELL 1 VERTICAL SEAM WELD 17C, VW, 197 DEG. 17C, VW, 197 DEG.	B-A B1.12	UT-0,45,60 UT-0,45,60	UT-PE-005 REV 4 FRR LIM-10 GE-UT-400 REV 0 FRR LIM-14	X X			ISG UT-0, CIG UT-45, NRI UT-60; ASME CODE COVERAGE LIMITED TO 99.7% OF WRV DUE TO N2 NOZZLE, COMPLETE PER CODE CASE N-460

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						O	E	E		
						R	C	E		
						P	E	O		
						C	R	M		
<u>RPV (FIG NO XI-RPV-2 PG. 1,2)</u>										
566800	BC RIGHT SIDE SHELL 1 VERTICAL SEAM WELD 17C, VW, 197 DEG. 17C, VW, 197 DEG.	B-A	B1.12	UT-0,45,60	UT-PE-005 REV 4 FRR LIM-10	X				CIG & NRL UT-0, CIG UT-45, CIG & NRL UT-60 ASME CODE COVERAGE LIMITED TO 99.4% OF WRV DUE TO W1 NOZZLE, COMPLETE PCN CODE CASE N-460
				UT-0,45,60	GE-UT-400 REV 0 FRR LIM-14		X	X		
568100	BK LEFT SIDE SHELL 4 VERTICAL SEAM WELD 13C, VW, 345 DEG. 13C, VW, 345 DEG.	B-A	B1.12	UT-0,45,60	UT-PE-705 REV 4 FRR LIM-10	X				NRI UT-0, CIG & NRL UT-45, CIG UT-60
				UT-0,45,60	GE-UT-400 REV 0 FRR LIM-14		X	X	X	
568200	BK RIGHT SIDE SHELL 4 VERTICAL SEAM WELD 13C, VW, 345 DEG. 13C, VW, 345 DEG.	B-A	B1.12	UT-0,45,60	UT-PE-005 REV 4 FRR LIM-10	X				NRI UT-0, CIG UT-45,60
				UT-0,45,60	GE-UT-400 REV 0 FRR LIM-14		X	X		
568300	BM LEFT SIDE SHELL 4 VERTICAL SEAM WELD 18C, VW, 165 DEG. 18C, VW, 165 DEG.	B-A	B1.12	UT-0,45,60	UT-PE-005 REV 4 FRR LIM-10	X				NRI UT-0, CIG UT-45,60
				UT-0,45,60	GE-UT-400 REV 0 FRR LIM-14		X	X		
568400	BM RIGHT SIDE SHELL 4 VERTICAL SEAM WELD 18C, VW, 165 DEG. 18C, VW, 165 DEG.	B-A	B1.12	UT-0,45,60	UT-PE-005 REV 4 FRR LIM-10	X				NRI UT-0,45,60
				UT-0,45,60	GE-UT-400 REV 0 FRR LIM-14		X			
568900	N1A RECIRC OUTLET LOOP A 14C, 279"8", 0 DEG.	B-D	B3.90	UT-0,45,60	GE-UT-400 REV 0 FRR LIM-14	X	X			NRI UT-0, CIG UT-45,60
569000	N1A-1R RECIRC OUTLET LOOP A 14C, 279"8", 0 DEG.	B-D+	B3.100	UT-67,70	GE-UT-401 REV 1 FRR LIM-15	X				CIG UT-67,70

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<u>RPV (FIG NO XI-RPV-2 PG. 1,2)</u>								
569200	N1B RECIRC OUTLET LOOP B 18C, 279" B", 180 DEG.	B-D B3.90	UT-0,45,60	GE-UT-400 REV 0 FRR LIM-14	X	X		NRL UT-0, CIG UT-45,60
569300	N1B-1R RECIRC OUTLET LOOP B 18C, 279" B", 180 DEG.	B-D+ B3.100	UT-67,70	GE-UT-401 REV 1 FRR LIM-15	X	X		CIG & NRL UT-67,70
569500	N2A RECIRC INLET LOOP B 14C, 281" 4", 30 DEG.	B-D B3.90	UT-0,45,60	GE-UT-400 REV 0 FRR LIM-14	X	X	X	NRI UT-0, CIG & NRL UT-45, CIG UT-60
569600	N2A-1R RECIRC INLET LOOP B 14C, 281" 4", 30 DEG.	B-D+ B3.100	UT-67,70	GE-UT-401 REV 1 FRR LIM-15	X	X		NRI UT-67, CIG UT-70
569800	N2B RECIRC INLET LOOP B 14C, 281" 4", 60 DEG.	B-D B3.90	UT-0,45,60	GE-UT-400 REV 0 FRR LIM-14	X	X		NRL UT-0, CIG & NRL UT-45,60
569900	N2B-1R RECIRC INLET LOOP B 14C, 281" 4", 60 DEG.	B-D+ B3.100	UT-67,70	GE-UT-401 REV 1 FRR LIM-15	X	X		NRL UT-67, CIG & NRL UT-70
570100	N2C RECIRC INLET LOOP B 14C, 281" 4", 90 DEG. 14C, 281" 4", 90 DEG.	B-D B3.90	UT-0,45,60	GE-UT-400 REV 0 FRR LIM-14			X	CIG UT-0,45,60; ASME CODE COVERAGE (AUTO-UT) LIMITED TO 82% OF WRV DUE TO NB NOZZLE, RESCHEDULE FOR MANUAL-UT IN LIMITED AREA
570200	N2C-1R RECIRC INLET LOOP B 14C, 281" 4", 90 DEG.	B-D+ B3.100	UT-67,70	GE-UT-401 REV 1 FRR LIM-15	X	X		NRL UT-67, CIG UT-70

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					D E G	R C E P	E O O O			
					C	R	M	R		
<u>RPV (FIG NO XI-RPV-2 PG. 1,2)</u>										
570400	N2D RECIRC INLET LOOP B 18C, 281'4", 120 AZ. 18C, 281'4", 120 AZ.	B-D	B3.90	UT-0,45,60 GE-UT-400 REV 0 FRR LIM-14	X	X	X			NRI UT-0, CIG & NRI UT-45,60; ASME CODE COVERAGE (AUTO-UT) LIMITED TO 82% OF WRV DUE TO NB NOZZLE, RESCHEDULE FOR MANUAL-UT IN LIMITED AREA
570500	N2D-1R RECIRC INLET LOOP B 18C, 281'4", 120 DEG.	B-D+	B3.100	UT-67,70 GE-UT-401 REV 1 FRR LIM-15	X	X				NRI UT-67, CIG UT-70
570700	N2E RECIRC INLET LOOP B 18C, 281'4", 150 AZ.	B-D	B3.90	UT-0,45,60 GE-UT-400 REV 0 FRR LIM-14	X	X				CIG & NRI UT-0, CIG UT-45,60
570800	N2E-1R RECIRC INLET LOOP B 18C, 281'4", 150 DEG.	B-D+	B3.100	UT-67,70 GE-UT-401 REV 1 FRR LIM-15	X	X	X			NRI UT-67, CIG & NRI UT-70
571000	N2F RECIRC INLET LOOP A 17C, 281'4", 210 DEG.	B-D	B3.90	UT-0,45,60 GE-UT-400 REV 0 FRR LIM-14	X	X				NRI UT-0, CIG UT-45,60
571100	N2F-1R RECIRC INLET LOOP A 17C, 281'4", 210 DEG.	B-D+	B3.100	UT-67,70 GE-UT-401 REV 1 FRR LIM-15	X	X				NRI UT-67, CIG UT-70
571300	N2G RECIRC INLET LOOP A 17C, 281'4", 240 DEG.	B-D	B3.90	UT-0,45,60 GE-UT-400 REV 0 FRR LIM-14	X	X				NRI UT-0, CIG UT-45,60
571400	N2G-1R RECIRC INLET LOOP A 17C, 281'4", 240 DEG.	B-D+	B3.100	UT-67,70 GE-UT-401 REV 1 FRR LIM-15	X	X				NRI UT-67, CIG UT-70

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<u>RPV (FIG NO XI-RPV-2 PG. 1,2)</u>					
571600	N2H RECIRC INLET LOOP A 17C, 281.4", 270 DEG. 17C, 281.4", 270 DEG.	B-D B3.90	UT-0,45,60 GE-UT-400 REV 0 FRR LIM-14	X X	NRI UT-0, CIG UT-45,60; ASME CODE COVERAGE (AUTO-UT) LIMITED TO 82% OF WRV DUE TO N8 NOZZLE, RESCHEDULE FOR MANUAL-UT IN LIMITED AREA
571700	N2H-1R RECIRC INLET LOOP A 17C, 281.4", 270 DEG.	B-D+ B3.100	UT-67,70 GE-UT-401 REV 1 FRR LIM-15	X X	NRI UT-67, CIG UT-70
571900	N2J RECIRC INLET LOOP A 13C, 281.4", 300 DEG. 13C, 281.4", 300 DEG.	B-D B3.90	UT-0,45,60 GE-UT-400 REV 0 FRR LIM-14	X X X	NRI UT-0, CIG & NRL UT-45,60; ASME CODE COVERAGE (AUTO-UT) LIMITED TO 82% OF WRV DUE TO N8 NOZZLE, RESCHEDULE FOR MANUAL-UT IN LIMITED AREA
572000	N2J-1R RECIRC INLET LOOP A 13C, 281.4", 300 DEG.	B-D+ B3.100	UT-67,70 GE-UT-401 REV 1 FRR LIM-15	Y X	NRI UT-67, CIG UT-70
572200	N2K RECIRC INLET LOOP A 13C, 281.4", 330 DEG.	B-D B3.90	UT-0,45,60 GE-UT-400 REV 0 FRR LIM-14	X X	NRI UT-0, CIG UT-45,60
572300	N2K-1R RECIRC INLET LOOP A 13C, 281.4", 330 DEG.	B-D+ B3.100	UT-67,70 GE-UT-401 REV 1 FRR LIM-15	X X	NRL UT-67, CIG UT-70
573700	N4A FEEDWATER LOOP A 14C, 307.9", 30 DEG. 14C, 307.9", 30 DEG.	B-D B3.90	UT-0,45,60 GE-UT-400 REV 0 FRR LIM-14	X X X	NRI UT-0, CIG UT-45, CIG & NRL UT-60; ASME CODE COVERAGE (AUTO-UT) LIMITED TO 82.5% OF WRV DUE TO N11 NOZZLE, RESCHEDULE FOR MANUAL-UT IN LIMITED AREA

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					C E G E	R C E P	E O O O		
					C	R	M	R	
<u>RPV (FIG NO XI-RPV-2 PG. 1,2)</u>									
573800	N4A-1R FEEDWATER LOOP A 14C, 307"9", 30 DEG.	B-D+ B3.100	UT-28,67, 70	GE-UT-401 REV 1 FRR LIM-15	X	X			ISG UT-28, NRI UT-67,70
573900	N4A-1R FEEDWATER LOOP A 14C, 307"9", 30 DEG.	N/A+ N/A	UT-28,67, 70	GE-UT-401 REV 1 FRR LIM-15	X	X			ISG UT-28, NRI UT-67,70
574000	N4B FEEDWATER LOOP B 14C, 307"9", 90 DEG.	B-D B3.90	UT-0,45,60	GE-UT-400 REV 0 FRR LIM-14	X	X			NRI UT-0, CIG UT-45,60
574100	N4B-1R FEEDWATER LOOP B 14C, 307"9", 90 DEG.	B-D+ B3.100	UT-28,67, 70	GE-UT-401 REV 1 FRR LIM-15	X	X	X		ISG UT-28, NRI UT-67, NRI UT-70
574200	N4B-1R FEEDWATER LOOP B 14C, 307"9", 90 DEG.	N/A+ N/A	UT-28,67, 70	GE-UT-401 REV 1 FRR LIM-15	X	X	X		ISG UT-28, NRI UT-67, NRI UT-70
574300	N4C FEEDWATER LOOP C 18C, 307"9", 150 DEG. 11C, 307"9", 120 DEG.	B-D B3.90	UT-0,45,60	GE-UT-400 REV 0 FRR LIM-14	X	X	X		NRI UT-0, CIG UT-45, CIG & NRI UT-60; ASME CODE COVERAGE (AUTO-UT) LIMITED TO 76.4% OF WRV DUE TO M9 NOZZLE, RESCHEDULE FOR MANUAL-UT IN LIMITED AREA
574400	N4C-1R FEEDWATER LOOP C 18C, 307"9", 150 DEG.	B-D+ B3.100	UT-28,67, 70	GE-UT-401 REV 1 FRR LIM-15	X	X			CIG UT-28, NRI UT-67,70
574500	N4C-1R FEEDWATER LOOP C 18C, 307"9", 150 DEG.	N/A+ N/A	UT-28,67, 70	GE-UT-401 REV 1 FRR LIM-15	X	X			CIG UT-28, NRI UT-67,70

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NUMBER IDENTIFICATION	ITEM NO	METHOD			C	R	M	
<u>RPV (FIG NO XI-RPV-2 PG. 1,2)</u>								
574600 N4D FEEDWATER LOOP D 17C, 307"9", 210 DEG. 17C, 307"9", 210 DEG.	B-D B3.90	UT-0,45,60	GE-UT-400 REV 0	FRR LIM-14	X			ISG UT-0, CIG UT-45,60; ASME CODE COVERAGE (AUTO-UT) LIMITED TO 85.8% OF WRV DUE TO N11 NOZZLE, RESCHEDULE FOR MANUAL-UT IN LIMITED AREA
574700 N4D-1R FEEDWATER LOOP D 17C, 307"9", 210 DEG. 17C, 307"9", 210 DEG.	B-D+ B3.100	UT-28,67, 70	GE-UT-401 REV 1	FRR LIM-15	X	X		CIG UT-28, NRI UT-67, ISG UT-70; ASME CODE COVERAGE (AUTO-UT) LIMITED TO 85% OF WRV DUE TO N11 NOZZLE, RESCHEDULE FOR MANUAL-UT IN LIMITED AREA
574800 N4D-1R FEEDWATER LOOP D 17C, 307"9", 210 DEG.	N/A+ N/A	UT-28,67, 70	GE-UT-401 REV 1	FRR LIM-15	X	X		CIG UT-28, NRI UT-67, ISG UT-70
575100 N4E-1R FEEDWATER LOOP E 17C, 307"9", 270 DEG.	N/A+ N/A	UT-28,67, 70	GE-UT-401 REV 1	FRR LIM-15	X	X		ISG UT-28, NRI UT-67,70
575400 N4F-1R FEEDWATER LOOP F 13C, 307"9", 330 DEG.	N/A+ N/A	UT-28,67, 70	GE-UT-401 REV 1	FRR LIM-15	X	X	X	ISG UT-28, NRI UT-67, NRI UT-70
577300 N17C LPCI LOOP A 17C, 297"3", 225 DEG.	B-D B3.90	UT-0,45,60	GE-UT-400 REV 0	FRR LIM-14	X	X		NRI UT-0, CIG UT-45, ISG & CIG UT-60
577400 N17C-1R LPCI LOOP A 17C, 297"3", 225 DEG.	B-D+ B3.100	UT-67,70	GE-UT-401 REV 1	FRR LIM-15	X			NRI UT-67,70
577900 N4A-BORE FEEDWATER LOOP A 14C, 307"9", 30 DEG.	N/A+ N/A	UT-18	GE-UT-401 REV 1	FRR LIM-15	X			NRI

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						O E G E	R C E P	E D O O		
						C	R	M	R	
<u>RPV (FIG NO XI-RPV-2 PG. 1,2)</u>										
578000	N4B-BORE FEEDWATER LOOP B 14C, 307°9", 90 DEG.	N/A+	N/A	UT-18	GE-UT-401 REV 1 FRR LIM-15	X				ISG; COVERAGE OF BORE REGION LIMITED TO 85% OF WRV DUE TO THERMOCOUPLE PAD
578100	N4C-BORE FEEDWATER LOOP C 18C, 307°9", 150 DEG.	N/A+	N/A	UT-18	GE-UT-401 REV 1 FRR LIM-15	X				CIG
578200	N4D-BORE FEEDWATER LOOP D 17C, 307°9", 210 DEG.	N/A+	N/A	UT-18	GE-UT-401 REV 1 FRR LIM-15	X				CIG; COVERAGE OF BORE REGION LIMITED TO 85.5% OF WRV DUE TO THERMOCOUPLE PAD
578300	N4E-BORE FEEDWATER LOOP E 17C, 307°9", 270 DEG.	N/A+	N/A	UT-18	GE-UT-401 REV 1 FRR LIM-15	X				NRI
578400	N4F-BORE FEEDWATER LOOP F 13C, 307°9", 330 DEG.	N/A+	N/A	UT-18	GE-UT-401 REV 1 FRR LIM-15	X				NRI
<u>RPV (FIG NO XI-RPV-2 PG. 1,4)</u>										
578500	AJ BOTTOM SIDE BOTTOM HEAD DOLLAR PLATE WELD CIRC, 270°, CIRC	B-A	B1.21	UT-0,45,60	UT-PE-005 REV 4 FRR LIM-10	X				NRI UT-0,45,60 EXAMINED 0 TO 120 DEG.
578600	AJ TOP SIDE BOTTOM HEAD DOLLAR PLATE WELD CIRC, 270°, CIRC	B-A	B1.21	UT-0,45,60	UT-PE-005 REV 4 FRR LIM-10	X				NRI UT-0,45,60; EXAMINED 0 TO 120 DEG.
578700	AH BOTTOM SIDE CLOSURE HEAD DOLLAR PLATE WELD FF, 352°, CIRC	B-A	B1.21	UT-0,45,60	UT-PE-005 REV 4 FRR LIM-10	X				NRI UT-0,45,60 EXAMINED 0 TO 120 DEG.

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					O E G E	R C E P	E O O O	
					C	R	M	R
<u>RPV (FIG NO X1-RPV-2 PG. 1,4)</u>								
578800	AH TOP SIDE CLOSURE HEAD DOLLAR PLATE WELD FF, 352', CIRC	B-A B1.21		UT-0,45,60 UT-PE-005 REV 4 FRR LIM-10	X			NRI UT-0,45,60 EXAMINED 0 TO 120 DEG.
579800	N160 INSTRUMENTATION NOZZLE 13C, 296'9", 280 DEG.	B-E B4.13		VT-2 NDE-1 REV 3	X			NRI
<u>RPV (FIG NO X1-RPV-2 PG. 3)</u>								
579900	RPV CLOSURE HEAD NUTS NUTS SN 1 - SN 76 FF, 352', 0-360 DEG.	B-G-1 B6.10	MT	GE-MT-101 REV 0 FRR LIM-26,27	X	X		NRI NUTS 1 THRU 16 & 18 THRU 26, NUT 17 .250" LI ACCEPTABLE TO ASME XI 1986 EXAMINED NUTS 1 THRU 26
580000	RPV CLOSURE STUDS IN PLACE STUDS SN 1 - SN 76 FF, 352', 0-360 DEG.	B-G-1 B6.20		UT-0 UT-PE-007 REV 4 FRR LIM-17	X			NRI; EXAMINED STUDS 1 THRU 26
580200	THREADED HOLES IN RPV FLANGE HOLES SN1 - SN 76 FF, 352', 0-360 DEG.	B-G-1 B6.40		UT-0 UT-PE-008 REV 2 FRR LIM-13	X			NRI; ASME CODE COVERAGE LIMITED TO 92.3% OF REQUIRED VOLUME DUE TO CONFIGURATION, FLANGE; COMPLETE PER CODE CASE N-40; EXAMINED LIGAMENTS AT STUDS 1 THRU 26
580300	RPV CLOSURE WASHERS WASHERS SN 1 - SN 76 FF, 352', 0-360 DEG.	B-G-1 B6.50		VT-1 NDE-7 REV 2		X		NRI; EXAMINED WASHERS 1 THRU 26
580400	FR RPV WELD BUILD-UP CIRC, 272'3", CIRC CIRC, 272'3", CIRC	B-H B8.10	MT	MT-PE-001 REV 1 FRR LIM-06 VT-1 NDE-1 REV 3	X		X	NRI MT, MINOR WELD SPATTER VT-1 ACCEPTABLE TO ASME XI 1986; ASME CODE COVERAGE (MT) LIMITED TO 87.5% DUE TO CONFIGURATION, UNDER VESSEL, VT-1 PERFORMED IN LIMITED AREA; EXAMINED 0 TO 120 DEG.

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<u>RPV (FIG NO XI-RPV-2 PG. 3)</u>						
580500	CG SKIRT KNUCKLE TO RPV WELD CIRC, 272'3", CIRC	B-H BB.10	MT	MT-PE-001 REV 1 FRR LIM-06	X	NRI
580700	DB BOTTOM HEAD WELD 14C, VW, 48 DEG. 14C, VW, 48 DEG.	B-A B1.22	UT-0,45,60	UT-PE-005 REV 4 FRR LIM-10	X X	NRI UT-0,45, 1 SI UT-60 ACCEPTABLE TO ASME XI 1986; ASME CODE COVERAGE LIMITED TO 94.3% OF WRV DUE TO CONFIGURATION, UNDER VESSEL, COMPLETE PER CODE CASE N-460
580800	DC BOTTOM HEAD WELD 18C, VW, 108 DEG.	B-A B1.22	UT-0,45,60	UT-PE-005 REV 4 FRR LIM-10	X	NRI UT-0,45,60
581200	DG 13 BOTTOM HEAD WELD 13C-17C, VW, 0-180 DEG.	B-A B1.22	UT-0,45,60	UT-PE-005 REV 4 FRR LIM-10	X	NRI UT-0,45,60
581300	DG 14 BOTTOM HEAD WELD 14C-18C, VW, 0-180 DEG.	B-A B1.22	UT-0,45,60	UT-PE-005 REV 4 FRR LIM-10	X	NRI UT-0,45,60
581400	AG CLOSURE HEAD FLANGE FF, 352', CIRC FF, 352', CIRC	B-A B1.40	MT UT-0,45,60	MT-PE-001 REV 1 FRR LIM-06 UT-PE-005 REV 4 FRR LIM-10	X X	NRI MT, NRI UT-45,60, 1 SI UT-0 ACCEPTABLE TO ASME XI 1986; ASME CODE COVERAGE LIMITED TO 94.3% OF WRV DUE TO CONFIGURATION, COMPLETE PER ASME CODE CASE N-460
581500	DH CLOSURE HEAD WELD FF, 352', 15 DEG.	B-A B1.22	UT-0,45,60	UT-PE-005 REV 4 FRR LIM-10	X X	NRI UT-0,45,60 WELD AG SIDE; NRI UT-45,60 LI UT-0 ACCEPTABLE TO ASME XI 1986 WELD AH SIDE

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		SEC. XI	EXAM		O E G E	R C E P	E D O O	
		ITEM NO	METHOD		C	R	M	R
<u>RPV (FIG NO XI-RPV-2 PG. 3,4)</u>								
581600	DJ CLOSURE HEAD WELD FF, 352', 75 DEG.	B-A B1.22		UT-0,45,60 UT-PE-005 REV 4 FRR LIM-10	X	X		NR1 UT-0,45,60 WELD AG SIDE; NR1 UT-45,60 & 2 LI UT-0 ACCEPTABLE TO ASME XI 1986 WELD AH SIDE
<u>RR (FIG NO XI-2P-201)</u>								
600200	2BP-201 2-6-1 3"DIA. PUMP CASING STUD #33 18C /250 /473 /120	B-G-1 B6.180		UT-0 GE-UT-107 REV 0 FRR LIM-28	X			NR1
600300	2BP-201 2-6-2 3"DIA. PUMP CASING STUD #37 18C /250 /473 /120	B-G-1 B6.180		UT-0 GE-UT-107 REV 0 FRR LIM-28	X			NR1
600400	2BP-201 2-6-3 3"DIA. PUMP CASING STUD #29 18C /250 /473 /120	B-G-1 B6.180		UT-0 GE-UT-107 REV 0 FRR LIM-28	X			NR1
600500	2BP-201 2-6-4 3"DIA. PUMP CASING STUD #11 18C /250 /473 /120	B-G-1 B6.180		UT-0 GE-UT-107 REV 0 FRR LIM-28	X			NR1
600600	2BP-201 2-6-5 3"DIA. PUMP CASING STUD #21 18C /250 /473 /120	B-G-1 B6.180		UT-0 GE-UT-107 REV 0 FRR LIM-28	X			NR1
601800	2BP-201 2-10-1 3"DIA. PUMP CASING STUD NUT 18C /250 /473 /120	B-G-1 B6.200		VT-1 NDE-7 REV 2	X			NR1
601900	2BP-201 2-10-2 3"DIA. PUMP CASING STUD NUT 18C /250 /473 /120	B-G-1 B6.200		VT-1 NDE-7 REV 2	X			NR1

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			C	R	M R	
<u>RR (FIG NO XI-2P-201)</u>						
602000 2BP-201 2-10-3 3"DIA. PUMP CASING STUD NUT 18C /250 /473 /120	B-G-1 B6.200	VT-1 NDE-7 REV 2	X			NRI
602100 2BP-201 2-10-4 3"DIA. PUMP CASING STUD NUT 18C /120 /473 /120	B-G-1 B6.200	VT-1 NDE-7 REV 2	X			NRI
602200 2BP-201 2-10-5 3"DIA. PUMP CASING STUD NUT 18C /250 /473 /120	B-G-1 B6.200	VT-1 NDE-7 REV 2				NRI
<u>RR (FIG NO XI-VRR-2RD-2A)</u>						
618700 VRR-2RD-2B-16 WA15LU PIPE SEAM 17C /281 /473 /210 17C /281 /473 /210	B-J B9.12	PT UT-45	LP-PE-001 REV 3 FRR LIM-05 UT-PE-002 REV 7 FRR LIM-07	X X		NRI PT, NRI UT-45
619000 VRR-2RD-2A-15 WA18LU PIPE SEAM 13C /281 /473 /300 13C /281 /473 /300	B-J B9.12	PT UT-45	LP-PE-001 REV 3 FRR LIM-05 UT-PE-002 REV 7 FRR LIM-07	X X		NRI PT, RG UT-45
621600 VRR-2RD-2B-16 SWB 12" ELBOW TO PIPE 17C /281 /473 /210 17C /281 /473 /210	B-J+ B9.11	PT UT-45	LP-PE-001 REV 3 FRR LIM-05 UT-PE-002 REV 7 FRR LIM-07	X X		NRI PT, NRI UT-45
621700 VRR-2RD-2B-16 SWB 12" ELBOW TO PIPE 17C /281 /473 /210 17C /281 /473 /210	N/A+ N/A	PT UT-45	LP-PE-001 REV 3 FRR LIM-05 UT-PE-002 REV 7 FRR LIM-07	X X		NRI PT, NRI UT-45

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					ITEM NO			
<u>RR (FIG NO XI-VRR-2RD-2A)</u>								
621800	VRR-2RD-2B-16 SWB LU MIN ELBOW SEAM MINIMUM 17C /280 /473 /210 17C /280 /473 /210	B-J B9.12	PT UT-45	LP-PE-001 REV 3 FRR LIM-05 UT-PE-002 REV 7 FRR LIM-07	X			NRI PT, NRI UT-45
621900	VRR-2RD-2B-16 SWB LU MAX ELBOW SEAM MAXIMUM 17C /280 /473 /210 17C /280 /473 /210	B-J B9.12	PT UT-45	LP-PE-001 REV 3 FRR LIM-05 UT-PE-002 REV 7 FRR LIM-07	X			NRI PT, NRI UT-45
622000	VRR-2RD-2B-16 SWB LD PIPE SEAM 17C /281 /473 /281 17C /281 /473 /281	B-J B9.12	PT UT-45	LP-PE-001 REV 3 FRR LIM-05 UT-PE-002 REV 7 FRR LIM-07	X			NRI PT, NRI UT-45
624600	VRR-2RD-2A-15 SWB 12" ELBOW TO PIPE 13C /281 /473 /300 13C /281 /473 /300	B-J+ B9.11	PT UT-45	LP-PE-001 REV 3 FRR LIM-05 UT-PE-002 REV 7 FRR LIM-07	X			NRI PT, NRI UT-45
624700	VRR-2RD-2A-15 SWB 12" ELBOW TO PIPE 13C /281 /473 /300	N/A+ N/A	UT-45	UT-PE-002 REV 7 FRR LIM-07	X			NRI
624800	VRR-2RD-2A-15 SWB LU MIN ELBOW SEAM MINIMUM 13C /280 /473 /300 13C /280 /473 /300	B-J B9.12	PT UT-45	LP-PE-001 REV 3 FRR LIM-05 UT-PE-002 REV 7 FRR LIM-07	X			NRI PT, NRI UT-45
624900	VRR-2RD-2A-15 SWB LU MAX ELBOW SEAM MAXIMUM 13C /280 /473 /300 13C /280 /473 /300	B-J B9.12	PT UT-45	LP-PE-001 REV 3 FRR LIM-05 UT-PE-002 REV 7 FRR LIM-07	X			NRI PT, NRI UT-45

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						O E G	R C E	P O O	
						C	R	M	
<u>RR (FIG NO X1-VRR-2RD-2A)</u>									
625000	VRR-2RD-2A-15 SWB LD PIPE SEAM 13C /281 /473 /300 13C /281 /473 /300	B-J		PT	LP-PE-001 REV 3 FRR LIM-05	X			WRI PT, RG UT-45
		B9.12		UT-45	UT-PE-002 REV 7 FRR LIM-07		X		
625600	VRR-2RD-2A-16 SWB LU MIN ELBOW SEAM MINIMUM 13C /280 /473 /330 13C /280 /473 /330	B-J		PT	LP-PE-001 REV 3 FRR LIM-05	X			WRI PT, WRI UT-45
		B9.12		UT-45	UT-PE-002 REV 7 FRR LIM-07		X		
625700	VRR-2RD-2A-16 SWB LU MAX ELBOW SEAM MAXIMUM 13C /280 /473 /330 13C /280 /473 /330	B-J		PT	LP-PE-001 REV 3 FRR LIM-05	X			WRI PT, WRI UT-45
		B9.12		UT-45	UT-PE-002 REV 7 FRR LIM-07		X		
625800	VRR-2RD-2A-16 SWB 12" ELBOW TO PIPE 13C /281 /473 /330 13C /281 /473 /330	B-J+		PT	LP-PE-001 REV 3 FRR LIM-05	X			WRI PT, WRI UT-45
		B9.11		UT-45	UT-PE-002 REV 7 FRR LIM-07		X		
625900	VRR-2RD-2A-16 SWB 12" ELBOW TO PIPE 13C /281 /473 /330	N/A+		UT-45	UT-PE-002 REV 7 FRR LIM-07				WRI
		N/A							
626000	VRR-2RD-2A-16 SWB LD PIPE SEAM 13C /281 /473 /330 13C /281 /473 /330	B-J		PT	LP-PE-001 REV 3 FRR LIM-05	X			WRI PT, RG UT-45
		B9.12		UT-45	UT-PE-002 REV 7 FRR LIM-07		X		
626400	VRR-2RD-2A WA15 PIPE TO SAFE END (AZ. 110) 17C /281 /473 /210 17C /281 /473 /210	B-J+		PT	LP-PE-001 REV 3 FRR LIM-05	X			WRI PT, WRI ISG & BRD UT-45
		B9.11		UT-45	GE-UT-208 REV 0 FRR LIM-11,22		X	X	

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		ITEM NO	METHOD				
<u>RR (FIG NO XI-VRR-2RD-2A)</u>							
626500	VRR-2RD-2A WA15 PIPE TO SAFE END (AZ.210) 17C /281 /473 /210	N/A+	UT-45	GE-UT-208 REV 0 FRR LIM-11,22	X X		NRL ISG & BRD
627400	VRR-2RD-2A N2G SAFE END TO NOZZLE (AZ.240) 17C /281 /473 /240 17C /281 /473 /240	B-F+ B5.10	PT UT-45,45RL 60RL	LP-PE-001 REV 3 FRR LIM-05 GE-UT-209 REV 0 FRR LIM-12, 23	X X X		NRI PT, A1 BRD NRL UT-45, A1 ISG NRL SC UT-45RL, NRL SC UT-60RL
627500	VRR-2RD-2A N2G SAFE END TO NOZZLE (AZ.240) 17C /281 /473 /240	N/A+	UT-45,45RL 60RL	GE-UT-209 REV 0 FRR LIM-12, 23	X X		A1 BRD NRL UT-45, A1 ISG NRL SC UT-45RL, NRL SC UT-60RL
627600	VRR-2RD-2A N2C SAFE END TO NOZZLE (AZ.240) 17C /281 /473 /240	N/A+	UT-45,45RL 60RL	GE-UT-209 REV 0 FRR LIM-12, 23	X X		A1 BRD NRL UT-45, A1 ISG NRL SC UT-45RL, NRL SC UT-60RL
627900	VRR-2RD-2A N2H SAFE END TO NOZZLE (AZ.270) 13C /281 /473 /270 13C /281 /473 /270	B-F+ B5.10	PT UT-45,45RL 60RL	LP-PE-001 REV 3 FRR LIM-05 GE-UT-209 REV 0 FRR LIM-12, 23	X X X		NRI PT, ISG NRL UT-45, A1 ISG NRL RG SC UT-45RL, A1 NRL RG UT-60RL
628000	VRR-2RD-2A N2H SAFE END TO NOZZLE (AZ.270) 13C /281 /473 /270	N/A+	UT-45,45RL 60RL	GE-UT-209 REV 0 FRR LIM-12,23	X X		ISG NRL UT-45, A1 ISG NRL RG SC UT-45RL, A1 NRL RG UT-60RL
628100	VRR-2RD-2A N2H SAFE END TO NOZZLE (AZ.270) 13C /281 /473 /270	N/A+	UT-45,45RL 60RL	GE-UT-209 REV 0 FRR LIM-12, 23	X X		ISG NRL UT-45, A1 ISG NRL RG SC UT-45RL, A1 NRL RG UT-60RL
628200	VRR-2RD-2A WA1B PIPE TO SAFE END (AZ.300) 13C /281 /473 /300 13C /281 /473 /300	B-J+ B9.11	PT UT-45	LP-PE-001 REV 3 FRR LIM-05 GE-UT-209 REV 0 FRR LIM-12, 23	X X X		NRI PT, NRL RG UT-45

DATE: 06/05/93
 REVISION: 1

LIMERICK GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY
 FIRST INTERVAL, FIRST PERIOD, SECOND OUTAGE (1993)
 CLASS 1 COMPLETED COMPONENTS

PAGE: 47

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY	EXAM METHOD	PROCEDURE	N O R C E E O O O M R	REMARKS
<u>RR (FIG NO XI-VRR-2RD-2A)</u>						
628300	VRR-2RD-2A WA1B PIPE TO SAFE END (AZ.300) 13C /281 /473 /300	N/A+	UT-45	GE-UT-209 REV 0 FRR LIM-12, 23	X X	NRL RG
628400	VRR-2RD-2A N2J SAFE END TO NOZZLE (AZ.300) 13C /281 /473 /300 13C /281 /473 /300	B-F+ B5.10	PT UT-45,45RL 60RL	LP-PE-001 REV 3 FRR LIM-05 GE-UT-209 REV 0 FRR LIM-12, 23	X X X	NRI PT, AI BRD CIG NRL UT-45, AI BRD ISG NRL RG UT-45RL, AI NRL RG UT-60RL
628500	VRR-2RD-2A N2J SAFE END TO NOZZLE (AZ.300) 13C /281 /473 /300	N/A+	UT-45,45RL 60RL	GE-UT-209 REV 0 FRR LIM-12, 23	X X	AI BRD CIG NRL UT-45, AI BRD ISG NRL RG UT-45RL, AI NRL RG UT-60RL
628600	VRR-2RD-2A N2J SAFE END TO NOZZLE (AZ.300) 13C /281 /473 /300	N/A+	UT-45,45RL 60RL	GE-UT-209 REV 0 FRR LIM-12, 23	X X	AI BRD CIG NRL UT-45, AI BRD ISG NRL RG UT-45RL, AI NRL RG UT-60RL
<u>RR (FIG NO XI-VRR-2RD-2B)</u>						
634100	VRR-2RD-2A-14 WB17LU 12" PIPE SEAM 18C /281 /473 / 90 18C /281 /473 / 90	B-J B9.12	PT UT-45	LP-PE-001 REV 3 FRR LIM-05 UT-PE-002 REV 7 FRR LIM-07	X X	NRI PT, NRI UT-45
641600	VRR-2RD-2B N2C SAFE END TO NOZZLE (AZ.90) 18C /281 /473 / 90 18C /281 /473 / 90	B-F+ B5.10	PT UT-45,45RL 60RL	LP-PE-001 REV 3 FRR LIM-05 GE-UT-209 REV 0 FRR LIM-12, 23	X X X	NRI PT, CIG NRL UT-45, AI ISG NRL UT-45RL, AI NRL RG SC UT-60RL
641700	VRR-2RD-2B N2C SAFE END TO NOZZLE (AZ.90) 18C /281 /473 / 90	N/A+	UT-45,45RL 60RL	GE-UT-209 REV 0 FRR LIM-12, 23	X X	CIG NRL UT-45, AI ISG NRL UT-45RL, AI NRL RG SC UT-60RL

DATE: 06/05/93
 REVISION: 1

LIMERICK GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY
 FIRST INTERVAL, FIRST PERIOD, SECOND OUTAGE (1993)
 CLASS 1 COMPLETED COMPONENTS

PAGE: 48

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASNE SEC. XI CATGY EXAM ITEM NO	METHOD	PROCEDURE	N R R			REMARKS	
					O E G	R C E	P D O		
					C	R	M	R	
<u>RR (FIG NO XI-VRR-2RD-2B)</u>									
641800	VRR-2RD-2B W2C SAFE END TO NOZZLE (AZ.90) 18C /281 /473 / 90	N/A+ N/A	UT-45,45RL 60RL	GE-UT-209 REV 0 FRR LIM-12, 23	X	X			CIG NRL UT-45, AI ISG NRL UT-45RL, AI NRL RG SC UT-60RL
641900	VRR-2RD-2B WB17 PIPE TO SAFE END (AZ.90) 18C /281 /473 / 90 18C /281 /473 / 90	B-J+ B9.11	PT UT-45	LP-PE-001 REV 3 FRR LIM-05 GE-UT-208 REV 0 FRR LIM-11,22	X				NRI PT, CIG RG BRD NRL UT-45 X X
642000	VRR-2RD-2B WB17 PIPE TO SAFE END (AZ.90) 18C /281 /473 / 90	N/A+ N/A	UT-45	GE-UT-208 REV 0 FRR LIM-11,22	X	X			CIG RG BRD NRL
642300	VRR-2RD-2B W2D SAFE END TO NOZZLE (AZ.120) 18C /281 /473 /120 18C /281 /473 /120	B-F+ B5.10	PT UT-45,45RL	LP-PE-001 REV 3 FRR LIM-05 GE-UT-209 REV 0 60RL FRR LIM-12, 23	X				NRI PT, BRD CIG NRL UT-45, AI ISG NRL UT-45RL, NRL SC UT-60RL X X
642400	VRR-2RD-2B W2D SAFE END TO NOZZLE (AZ.120) 18C /281 /473 /120	N/A+ N/A	UT-45,45RL 60RL	GE-UT-209 REV 0 FRR LIM-12, 23	X	X			BRD CIG NRL UT-45, AI ISG NRL UT-45RL, NRL SC UT-60RL
642500	VRR-2RD-2B W2D SAFE END TO NOZZLE (AZ.120) 18C /281 /473 /120	N/A+ N/A	UT-45,45RL 60RL	GE-UT-209 REV 0 FRR LIM-12, 23	X	X			BRD CIG NRL UT-45, AI ISG NRL UT-45RL, NRI SC UT-60RL
642800	VRR-2RD-2B W2E SAFE END TO NOZZLE (AZ.150) 18C /281 /473 /150 18C /281 /473 /150	B-F+ B5.10	PT UT-45,45RL	LP-PE-001 REV 3 FRR LIM-05 GE-UT-209 REV 0 60RL FRR LIM-12, 23	X				NRI PT, BRD ISG NRL UT-45, AI BRD ISG NRL SC UT-45RL, ISG NRL RG UT-60RL X X
642900	VRR-2RD-2B W2E SAFE END TO NOZZLE (AZ.150) 18C /281 /473 /150	N/A+ N/A	UT-45,45RL 60RL	GE-UT-209 REV 0 FRR LIM-12, 23	X	X			BRD ISG NRL UT-45, AI BRD ISG NRL SC UT-45RL, ISG NRL RG UT-60RL

DATE: 06/05/93
 REVISION: 1

LIMERICK GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY
 FIRST INTERVAL, FIRST PERIOD, SECOND OUTAGE (1993)
 CLASS 1 COMPLETED COMPONENTS

SUMMARY EXAMINATION AREA NUMBER IDENTIFICATION	ASME SEC. XI CATGY EXAM ITEM NO METHOD PROCEDURE				N R R D E G E R C E P E O O O C R M R			REMARKS
<u>RR (FIG NO XI-VRR-2RD-2B)</u>								
643000 VRR-2RD-2B N2E SAFE END TO NOZZLE (AZ.150) 18C /281 /473 /150	N/A+ N/A	UT-45,45RL 60RL	GE-UT-209 REV 0 FRR LIM-12, 23	X X				BRD ISG NRL UT-45, AI BRD ISG NRL SC UT-45RL, ISG NRL RG UT-60RL
643300 VRR-2RD-2B N2B SAFE END TO NOZZLE (AZ.60) 14C /281 /473 / 60 14C /281 /473 / 60	B-F+ B5.10	PT UT-45,45RL 60RL	LP-PE-001 REV 3 FRR LIM-05 GE-UT-209 REV 0 FRR LIM-12, 23	X X X				1LI & 1RI PT ACCEPTABLE TO ASME XI 1986, BRD ISG NRL UT-45, AI BRD ISG NRL UT-45RL, NRL SC UT-60
643400 VRR-2RD-2B N2B SAFE END TO NOZZLE (AZ.60) 14C /281 /473 / 60	N/A+ N/A	UT-45,45RL 60RL	GE-UT-209 REV 0 FRR LIM-12, 23	X X				BRD ISG NRL UT-45, AI BRD ISG NRL UT-45RL, NRL SC UT-60RL
643800 VRR-2RD-2B N2A SAFE END TO NOZZLE (AZ.30) 14C /281 /473 / 30 14C /281 /473 / 30	B-F+ B5.10	PT UT-45,45RL 60RL	LP-PE-001 REV 3 FRR LIM-05 GE-UT-209 REV 0 FRR LIM-12, 23	X X X				NRI PT, CIG NRI UT-45, AI ISG NRL SC UT-45RL & 60RL
643900 VRR-2RD-2B N2A SAFE END TO NOZZLE (AZ.30) 14C /281 /473 / 30	N/A+ N/A	UT-45,45RL 60RL	GE-UT-209 REV 0 FRR LIM-12, 23	X X				CIG NRI UT-45, AI ISG NRL SC UT-45RL & 60RL
644000 VRR-2RD-2B N2A SAFE END TO NOZZLE (AZ.30) 14C /281 /473 / 30	N/A+ N/A	UT-45,45RL 60RL	GE-UT-209 REV 0 FRR LIM-12, 23	X X				CIG NRL UT-45, AI ISG NRL SC UT-45RL & 60RL
<u>RR (FIG NO XI-VRR-2RS-2A)</u>								
646000 VRR-2RS-2A-4 WA1 LD PIPE SEAM 13C /279 /473 / 0 13C /279 /473 / 0	B-J B9.12	PT UT-45	LP-PE-001 REV 3 FRR LIM-05 UT-PE-002 REV 7 FRR LIM-07	X X				NRI PT, NRI UT-45

DATE: 06/05/93
 REVISION: 1

LIMERICK GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY
 FIRST INTERVAL, FIRST PERIOD, SECOND OUTAGE (1993)
 CLASS 1 COMPLETED COMPONENTS

PAGE: 50

SUMMARY EXAMINATION AREA NUMBER IDENTIFICATION	ASME SEC. XI CATGY EXAM ITEM NO METHOD	PROCEDURE	N R R O E G E R C E P E O O D C R M R			REMARKS
<u>RR (FIG NO X1-VRR-2RS-2A)</u>						
650100 VRR-2RS-2A N1A NOZZLE TO SAFE END (AZ.0 DEG) 13C /279 /473 / 0 13C /279 /473 / 0	B-F+ B5.10	PT LP-PE-001 REV 3 FRR LIM-05 UT-45,45RL GE-UT-209 REV 0 60RL FRR LIM-12, 23	X			NRI PT, CIG NRL UT-45, ISG NRL SC UT-45RL, CIG NRL SC UT-60RL
650200 VRR-2RS-2A N1A NOZZLE TO SAFE END (AZ.0 DEG) 13C /279 /473 / 0	N/A+ N/A	UT-45,45RL GE-UT-209 REV 0 60RL FRR LIM-12, 23	X	X		CIG NRL UT-45, ISG NRL SC UT-45RL, CIG NRL SC UT-60RL
650300 VRR-2RS-2A N1A NOZZLE TO SAFE END (AZ.0 DEG) 13C /279 /473 / 0	N/A+ N/A	UT-45,45RL GE-UT-209 REV 0 60RL FRR LIM-12, 23	X	X		CIG NRL UT-45, ISG NRL SC UT-45RL, CIG NRL SC UT-60RL
650400 VRR-2RS-2A WA1 SAFE END TO PIPE (AZ.0 DEG) 13C /279 /473 / 0 13C /279 /473 / 0	B-J+ B9.11	PT LP-PE-001 REV 3 FRR LIM-05 UT-45 GE-UT-208 REV 0 FRR LIM-11, 12 UT-45 UT-PE-002 REV 7 FRR LIM-07	X			NRI PT, BRD NRL UT-45, NRI UT-45 SUPP.
650500 VRR-2RS-2A WA1 SAFE END TO PIPE (AZ.0 DEG) 13C /279 /473 / 0	N/A+ N/A	UT-45 UT-PE-208 REV 0 FRR LIM-11, 12	X	X		BRD, NRL
<u>RR (FIG NO X1-VRR-2RS-2B)</u>						
651500 VRR-2RS-2B N1B NOZZLE TO SAFE END (AZ.180 DEG.) 18C /279 /473 /180	B-F+ B5.10	PT LP-PE-001 REV 3 FRR LIM-05 UT-45,45RL GE-UT-209 REV 0 60RL FRR LIM-12, 23	X			NRI PT, NRL UT-45, ISG NRL SC UT-45RL, CIG NRL SC UT-60RL
651600 VRR-2RS-2B N1B NOZZLE TO SAFE END (AZ.180 DEG.) 18C /279 /473 /180	N/A+ N/A	UT-45,45RL GE-UT-209 REV 0 60RL FRR LIM-12, 23	X	X		NRL UT-45, ISG NRL SC UT-45RL, CIG NRL SC UT-60RL

DATE: 06/05/93
 REVISION: 1

LIMERICK GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY
 FIRST INTERVAL, FIRST PERIOD, SECOND OUTAGE (1993)
 CLASS 1 COMPLETED COMPONENTS

PAGE: 51

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY	EXAM ITEM NO	METHOD	PROCEDURE	W R R O E G E R C E P E O O O C R M R	REMARKS
<u>RR (FIG NO XI-VRR-2RS-2B)</u>							
651700	VRR-2RS-2B N1B NOZZLE TO SAFE END (AZ.180 DEG.) 18C /279 /473 /180	N/A+		UT-45,45RL 60RL	GE-UT-209 REV 0 FRR LIM-12, 23	X X	NRL UT-45, 1SG NRL SC UT-45RL, CIG NRL SC UT-60RL
<u>RWCU (FIG NO XI-DCA-201-1)</u>							
667300	DCA-201-1-11B SW4 6" ELBOW TO PIPE 18C /297 /473 / 97	N/A+		UT-45	UT-PE-002 REV 7 FRR LIM-07	X X	RG UT-45, MRI UT-45 SUPP; COVERAGE LIMITED TO 54% OF WRV DUE TO WHIP RESTRAINT
667400	DCA-201-1-11B SW4 6" ELBOW TO PIPE 18C /297 /473 / 97	N/A+		UT-45	UT-PE-002 REV 7 FRR LIM-07	X X	RG UT-45, MRI UT-45 SUPP; COVERAGE LIMITED TO 54% OF WRV DUE TO WHIP RESTRAINT
<u>RWCU (FIG NO XI-DCA-201-2)</u>							
671700	HV-44-2F004 (INT. SURF.) 6" M.O. GLOBE VALVE (INTERNAL SURFACES) 18 /297 /597 / 0	B-M-2 B12.50		VT-3	NDE-7 REV 2	X	NRL

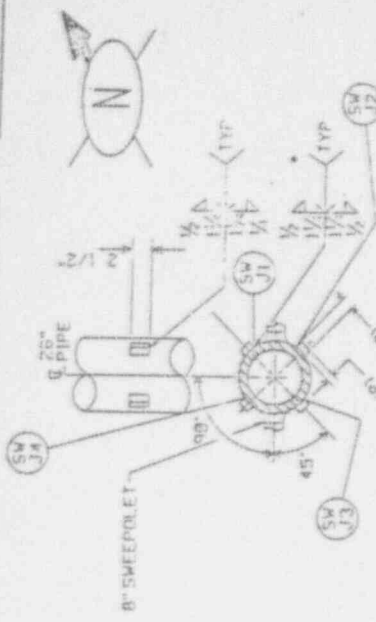
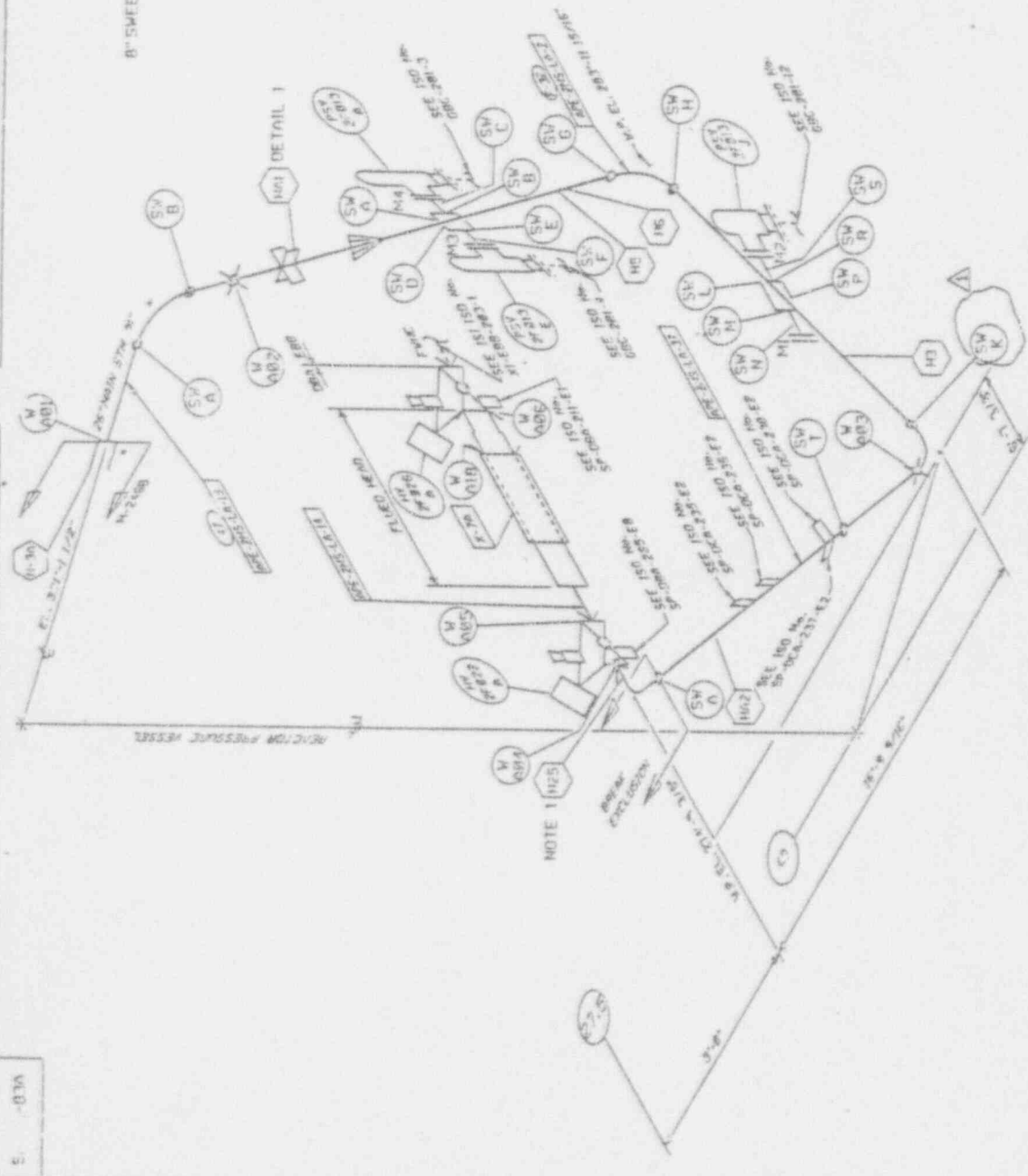
LIMERICK GENERATING STATION
UNIT 2
SUMMARY REPORT
FOR THE
JUNE 6, 1991 TO MARCH 16, 1993
PERIODIC INSERVICE INSPECTION

REPORT Nº 2

ATTACHMENT 2

REFERENCE DRAWINGS
CLASS 1 AND 2 COMPONENTS

S. -03A



DETAIL '1'
(H01)

NOTE:
DRAWING ISSUED AS STD-2MS-425.

REFERENCE DRAWINGS

- ISI-M-41 ASME SECTION XI BOUNDARY PAID
- M-297 DRYWELL PLAN
- M-385 DRYWELL PLAN
- M-386 DRYWELL PLAN
- SK-M-2988 GE DRAWING
- MI-R21-G001-C-1 WELD REFERENCE DWG.
- APF-2MS-LA-2 WELD REFERENCE DWG.
- M-1-R21-LA-2 VEIGOR DOCUMENT
- DE-2-005555 DESIGN REPORT
- ISI-APE-2MS-LA PRE-SERVICE INSPECTION ISOMETRIC

NO.	DATE	ISSUED FOR	BY	CHKD.	APP'D.
1		ISI-M-41	SH	DC	
2		ISI-M-41	SH	DC	
3		ISI-M-41	SH	DC	
4		ISI-M-41	SH	DC	
5		ISI-M-41	SH	DC	
6		ISI-M-41	SH	DC	
7		ISI-M-41	SH	DC	
8		ISI-M-41	SH	DC	
9		ISI-M-41	SH	DC	
10		ISI-M-41	SH	DC	

SEISMIC CLASS 1

BECHTEL
SAN FRANCISCO

LIMERICK GENERATING STATION
UNITS 1 & 2
PMA ORE/PMA ELECTRIC COMPANY

ISI ISOMETRIC - REACTOR BUILDING
MAIN STEAM LOOP "A"
UNIT 2

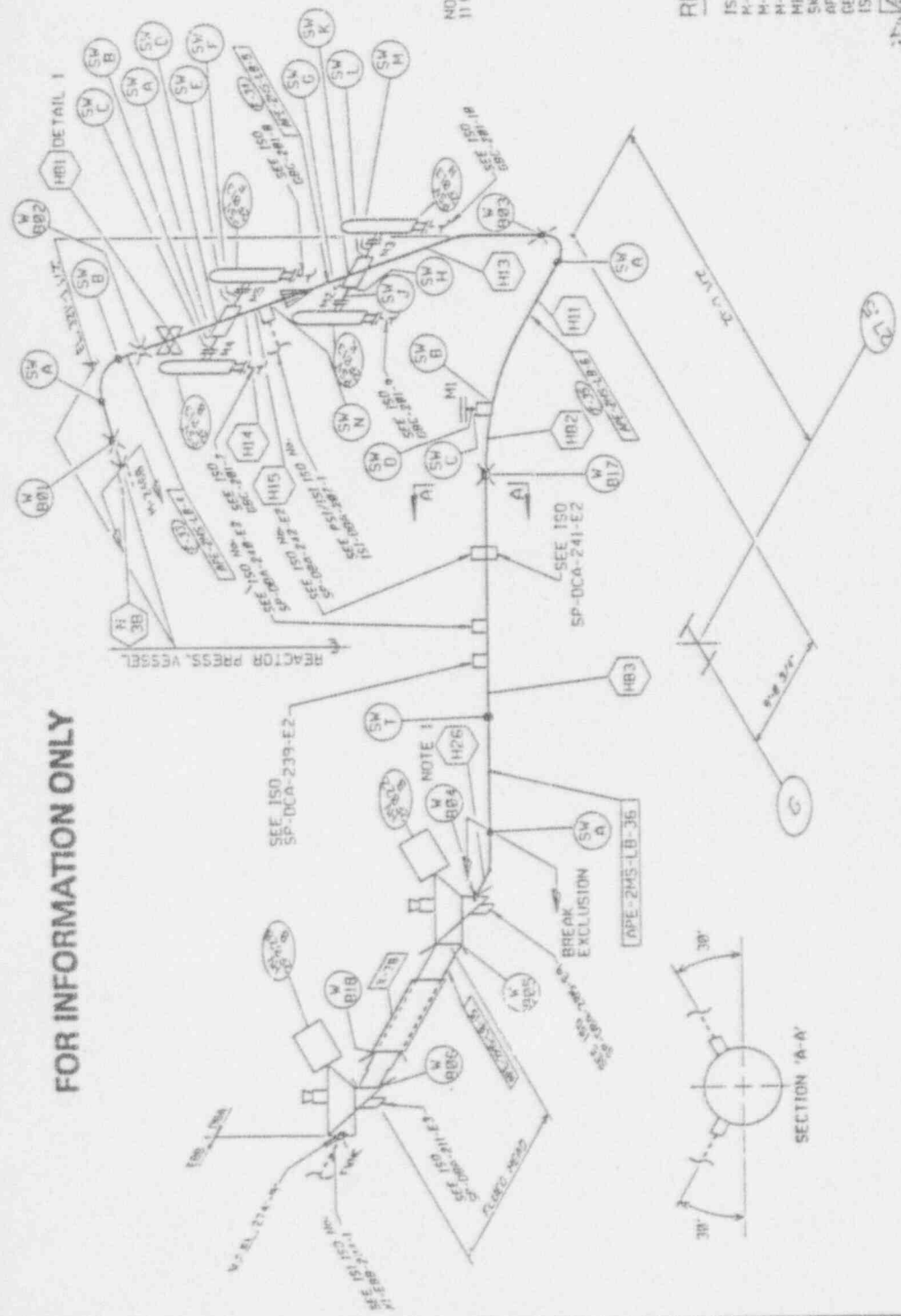
8031 XI-APE-2MS-LA 1

NOT FOR CONSTRUCTION PAGE 1 OF 1

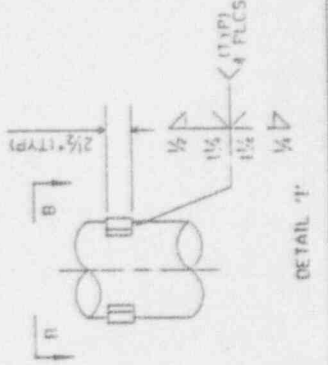
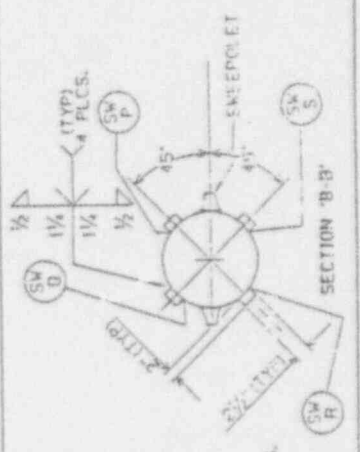
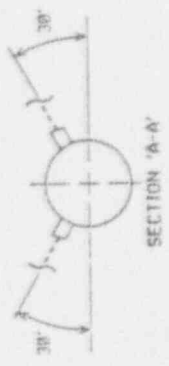
C.E. WELD No.	BECHTEL WELD No.
A1	W001
A2	W002
A3	W003
A4	W004
A5	W005
A6	W006
A7	W007
A8	W008



FOR INFORMATION ONLY



NOTE:
1) HANGER ISSUED AS STG-2MS-H26.

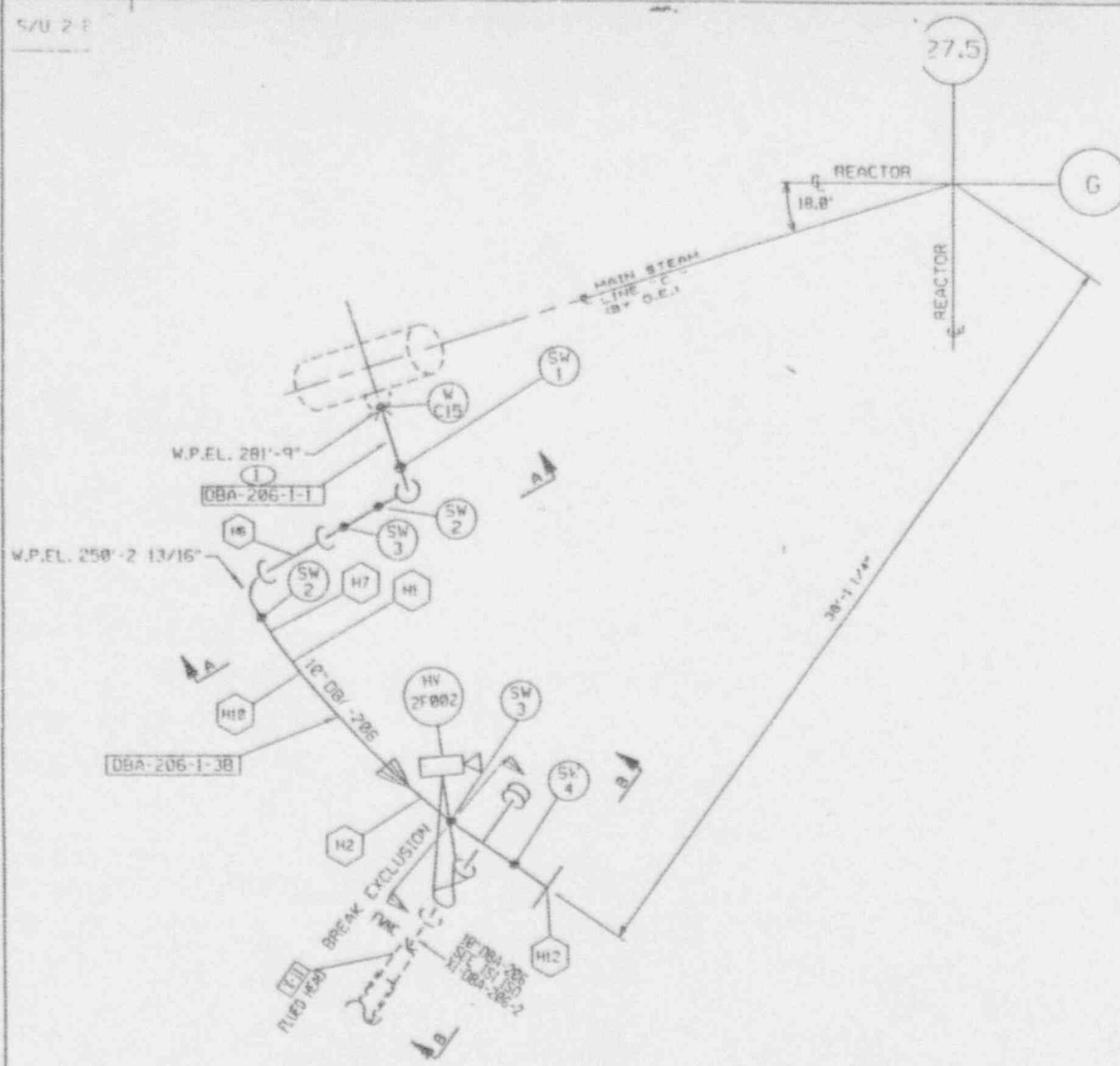


REFERENCE DRAWINGS

- ISI-M-41 ASME SECTION XI BOUNDARY PAID
- M-247 DRYWELL PLAN
- M-305 DRYWELL PLAN
- M-306 DRYWELL PLAN
- MI-B21-G081-C-1 CE (GRANITE)
- SK-N-2989 STRESS ISOMETRIC
- APE-2MS-LB WELD REFERENCE DRAWING
- DE 23MS5536 DESIGN REPORT
- ISI-APE-2MS-LB PRESERVICE INSPECTION ISOMETRIC

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		SAN FRANCISCO	
		LIMERICK GENERATING STATION	
		UNITS 1 & 2	
		PNEUMONIC ELECTRIC COMPANY	
		151 ISOMETRIC - REACTOR BUILDING	
		MAIN STEAM LOOP 'B'	
		UNIT 2	
		8031	XI-APE-2MS-LB 0
NOT FOR CONSTRUCTION		PAGE 1 OF 1	



NOTE:
 1) HANGER DBA-206-H13 VIOLATES (2T+2)\"/>

REFERENCE DRAWINGS

- ISI-M-55 ASME SECTION XI BOUNDARY P&ID
- M-295 PIPING PLAN AREA 13,14,17&18
- M-296 PIPING PLAN AREA 13,14,17&18
- M-297 PIPING PLAN AREA 13,14,17&18
- SK-M-2865 STRESS ISOMETRIC
- DBA-206-1 FABRICATION ISOMETRIC
- ISI-DBA-206-1 PRESERVICE INSPECTION ISOMETRIC

10/25/77

ISSUED FOR ISI	RGK	FL	RL	FW	SW	HW	HW	HW
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REASON								

SEISMIC CLASS I SECT NONE DRAW CADG/RLB

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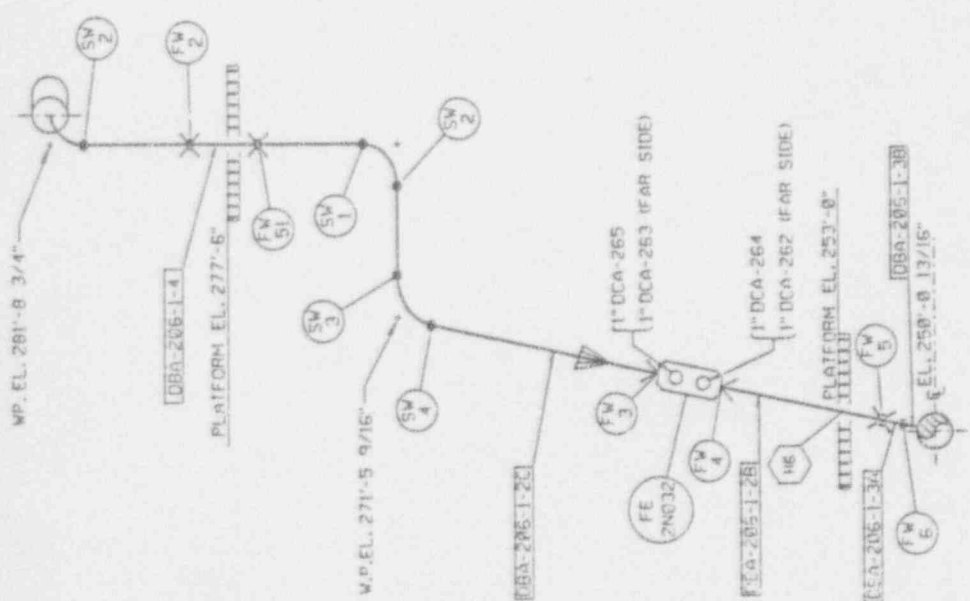
BECHTEL
SAN FRANCISCO

LIMERICK GENERATING STATION
UNITS 1 & 2
PHILADELPHIA ELECTRIC COMPANY

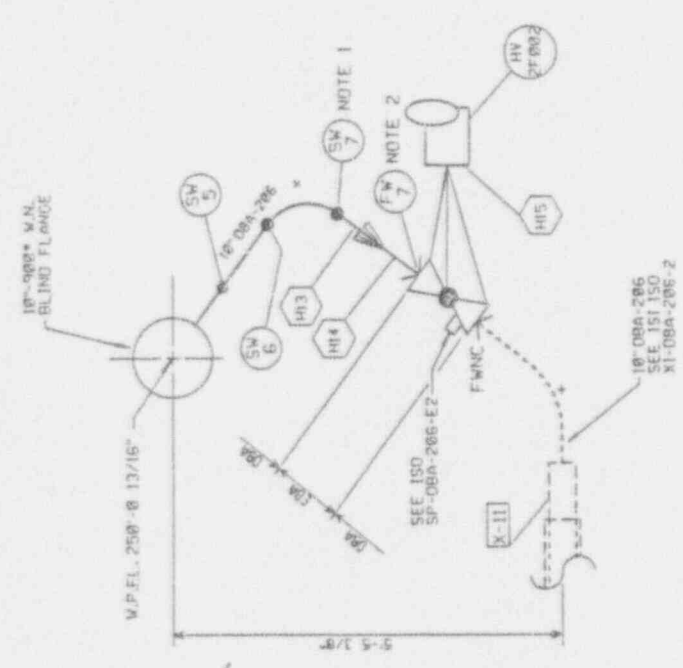
ISI PLAN - REACTOR BUILDING
HIGH PRESSURE COOLANT INJECTION
DRYWELL - UNIT 2

	JOB NO.	DRAWING NO.	REV.
	8031	XI-DBA-206-1	0

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SECTION 'A-A'

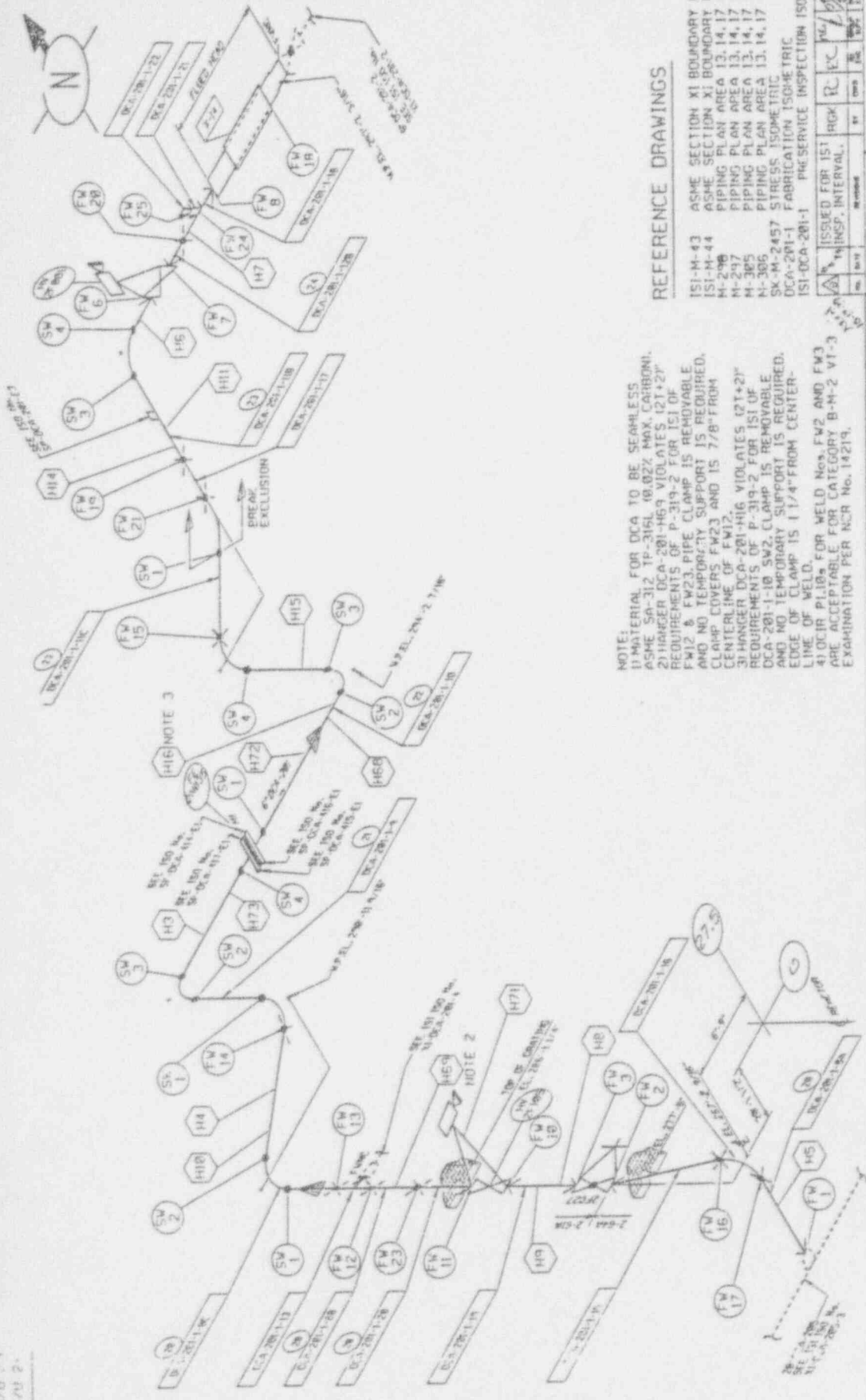


SECTION 'B-B'

FOR REFERENCE DRAWINGS AND NOTES SEE PAGE 1.

	NO.	DATE	BY	CHKD.	ISSUED FOR
					INSPECTION INTERVAL
SCALE NONE					
BECHTEL SAN FRANCISCO LIMERICK GENERATING STATION UNITS 1 & 2 PHILADELPHIA ELECTRIC COMPANY					
ISI SECTIONS - REACTOR BUILDING HIGH PRESSURE COOLANT INJECTION DRYWELL - UNIT 2					
		REV.	DESCRIPTION	DATE	
		8031	XI-DBA-206-1	Ø	
NOT FOR CONSTRUCTION				PAGE 2 OF 2	

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NOTE:
 1) MATERIAL FOR DCA TO BE SEAMLESS
 2) HANGER SA-312 TP-316L 1/2\"/>

REFERENCE DRAWINGS

- ISI-M-43 ASME SECTION XI BOUNDARY PAID
- ISI-M-44 ASME SECTION XI BOUNDARY PAID
- M-296 PIPING PLAN AREA 13, 14, 17 & 18
- M-297 PIPING PLAN AREA 13, 14, 17 & 18
- M-305 PIPING PLAN AREA 13, 14, 17 & 18
- M-306 PIPING PLAN AREA 13, 14, 17 & 18
- SK-M-2457 STRESS ISOMETRIC
- DCA-201-1 FABRICATION ISOMETRIC
- ISI-DCA-201-1 PRE-SERVICE INSPECTION ISOMETRIC

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SEISMIC CLASS 1

BECHTEL
 SAN FRANCISCO

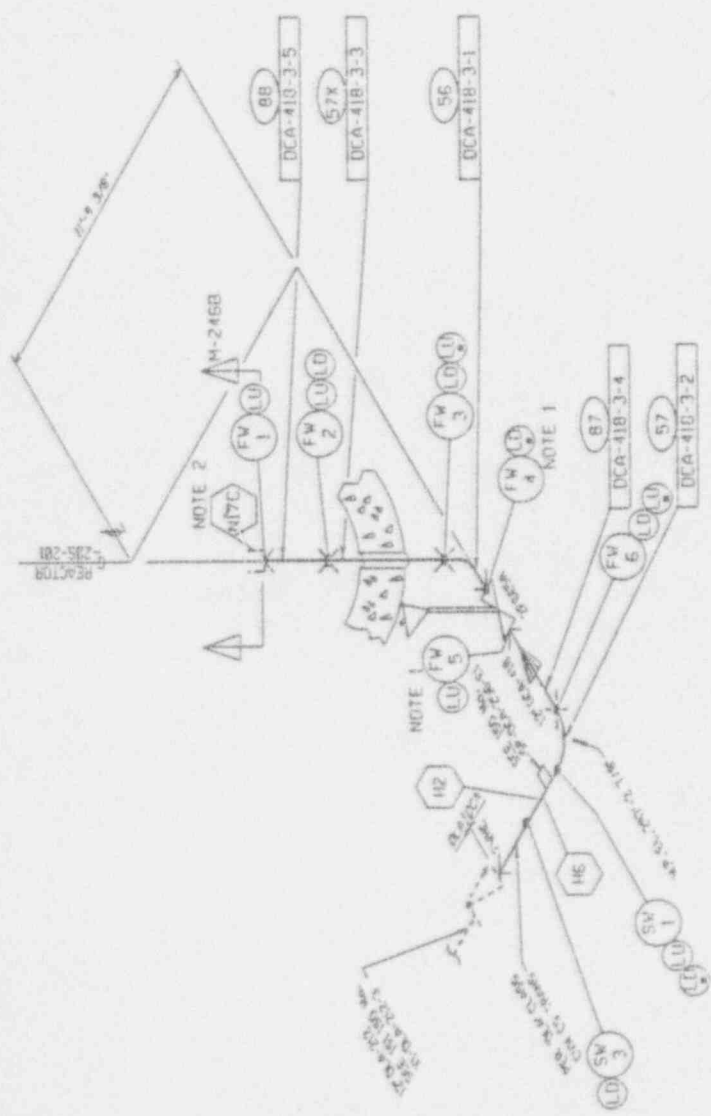
LIMERICK GENERATING STATION
 UNITS 1 & 2
 PHILADELPHIA ELECTRIC COMPANY

ISI ISOMETRIC - REACTOR BUILDING
 REACTOR WATER CLEANUP
 UNIT 2

8031 XI-DCA-201-1 0

NOT FOR CONSTRUCTION PAGE 1 OF 1

FOR INFORMATION ONLY



NOTE:
 1) FW4 AND FW5 ARE HEAT SINK WELDS.
 2) NO GRINDING PERMITTED ON LD-110
 3) REPAIRS ON COMPLETED WELDS ALLOWED.
 4) WELD NITC IS TO BE SUBJECTED
 TO MECHANICAL STRESS IMPROVEMENT
 (MSI) PER SPECIFICATION P-371.
 5) VISUAL EXAMINATION IS REQUIRED BEFORE
 AND AFTER PERFORMANCE OF MSI, PRE-SERVICE
 INSPECTION BASELINE SHALL BE RE-ESTABLISHED
 FOLLOWING PERFORMANCE OF MSI.

REFERENCE DRAWINGS

- ISI-M-41 ASME SECTION XI BOUNDARY PAID
- ISI-M-51 ASME SECTION XI BOUNDARY PAID
- M-385 PIPING PLAN AREA - 13, 14, 17 & 18
- M-386 PIPING PLAN AREA - 13, 14, 17 & 18
- M-312 PIPING PLAN AREA - 17
- SK-M-2866 STRESS ISOMETRIC
- DCA-418-3 FABRICATION ISOMETRIC
- ISI-DCA-418-3 PRESERVICE INSPECTION ISOMETRIC

NO.	REV.	DATE	BY	CHK.	APP.	DESCRIPTION
1						ISSUED FOR ISI
2						INSPECTION INTERVAL
3						TP
4						PC
5						PC
6						PC
7						PC
8						PC
9						PC
10						PC

SEISMIC CLASS 1

BECHTEL
 SAN FRANCISCO

LIMERICK GENERATING STATION
 UNITS 1 & 2
 FURKELMAN ELECTRIC COMPANY

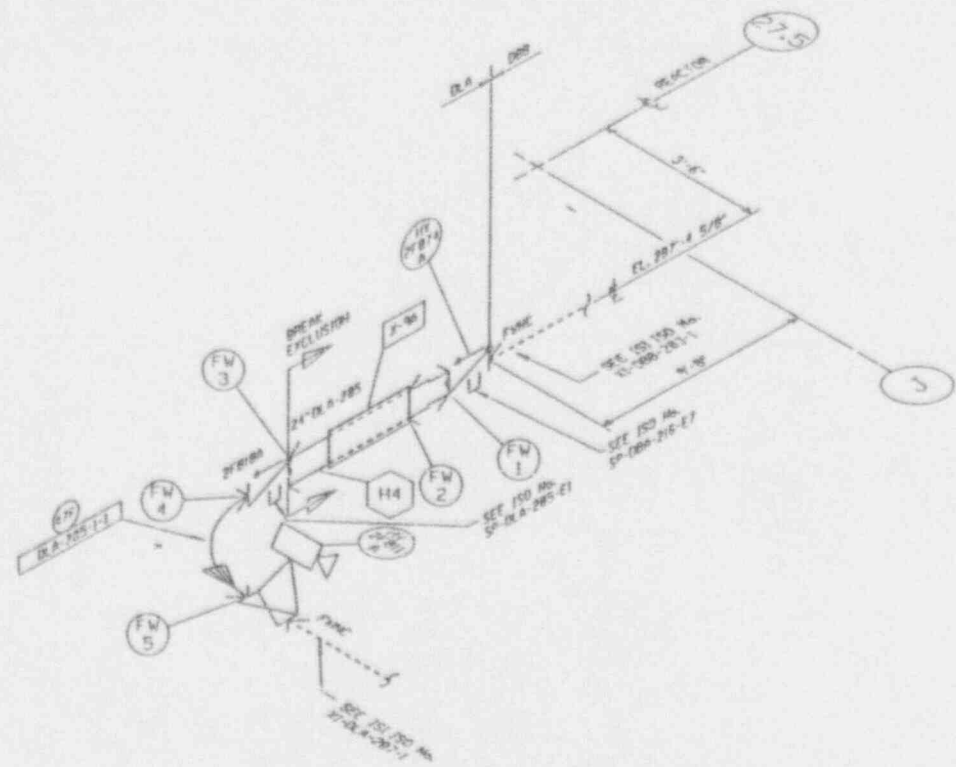
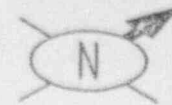
ISI ISOMETRIC - REACTOR BUILDING
 RESIDUAL HEAT REMOVAL LOOP "W"
 UNIT 2

PROJECT NO.	8031	DRAWING NO.	XI-DCA-418-3
SCALE		DATE	0

NOT FOR CONSTRUCTION PAGE 1 OF 1

FOR INFORMATION ONLY

5/11/70



REFERENCE DRAWINGS

- ISI-M-41 ASME SECTION XI BOUNDARY PAID
- M-305 PIPING PLAN-AREA 13, 14, 17 & 18
- SK-M-2875 STRESS ISOMETRIC
- DLA-205-1 FABRICATION ISOMETRIC
- ISI-DLA-205-1 PRESERVICE INSPECTION ISOMETRIC

11/1/70

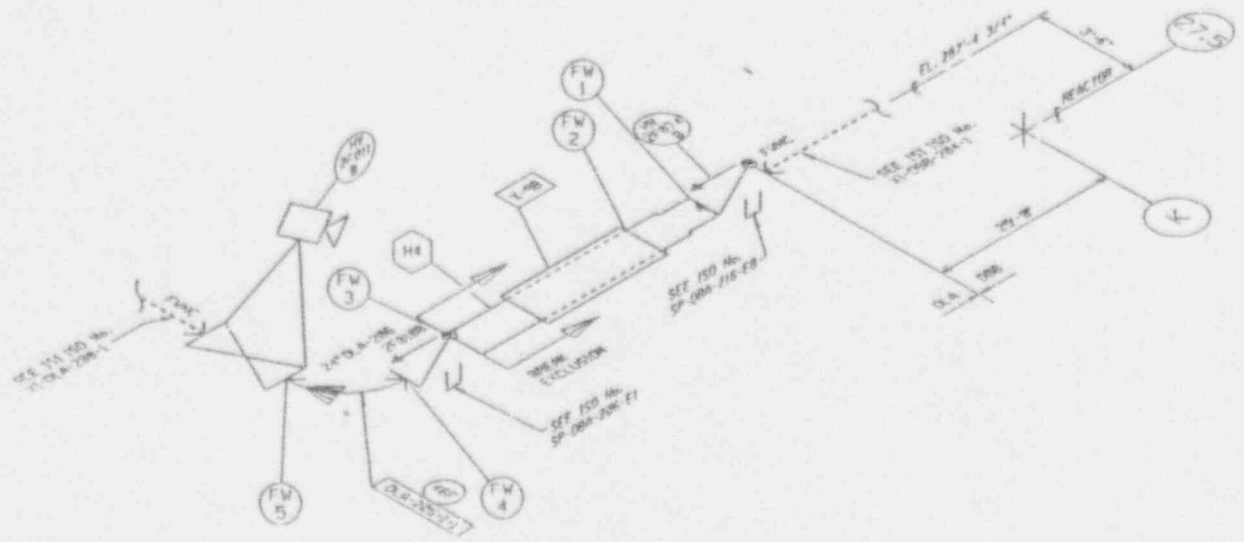
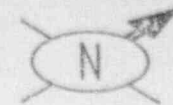
ISSUED FOR 1ST INSP. INTERVAL.	TP	EL	RC	W	W	W	W	W
NO. DATE	REVISION	BY	CHKD	APP	TEST	DATE	TIME	DATE

SEISMIC CLASS 1

SCALE NONE DRAWN LADD/SAB

FOR INFORMATION ONLY

BECHTEL SAN FRANCISCO		
LIMERICK GENERATING STATION UNITS 1 & 2 PHILADELPHIA ELECTRIC COMPANY		
ISI ISOMETRIC - REACTOR BUILDING FEEDWATER LOOP 'W' UNIT 2		
	JOB NO. 8031	SYMBOL NO. XI-DLA-205-1
NOT FOR CONSTRUCTION		REV. 0
PAGE 1 OF 1		



REFERENCE DRAWINGS

- ISI-M-41 ASME SECTION XI BOUNDARY P&ID
- M-305 PIPING PLAN AREA 13, 14, 17 & 17
- SK-M-2076 STRESS ISOMETRIC
- DLA-206-1 FABRICATION ISOMETRIC
- ISI-DLA-206-1 PRESERVICE INSPECTION ISOMETRIC

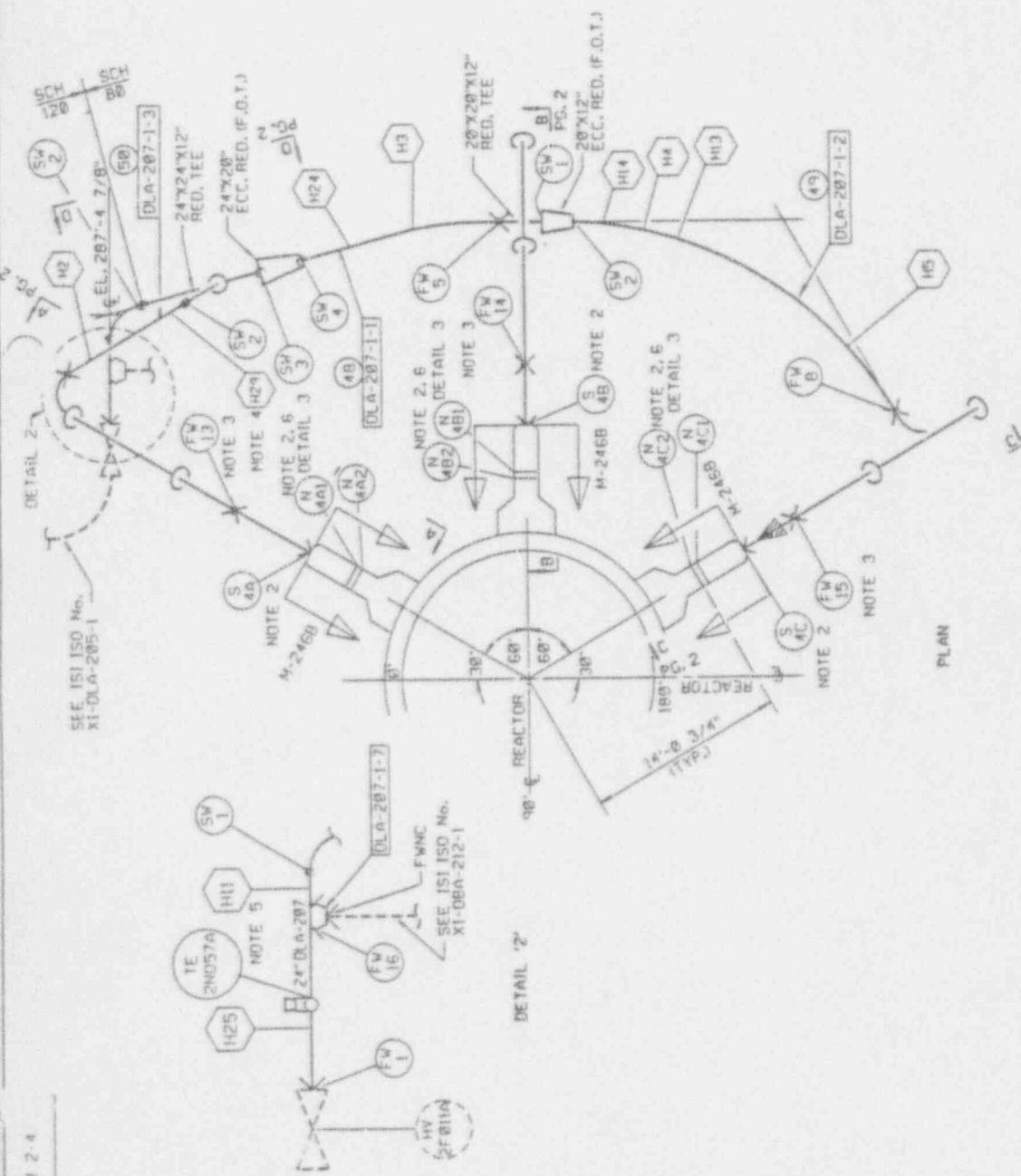
No.	DATE	REVISION	BY	CHKD	APP'D	REV	REV	REV	REV	ISSUED FOR 1ST	TP	RE	RE	RE	RE	RE	RE	RE
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SEISMIC CLASS 1

SCALE NONE DRAWN C/OD/JCS

FOR INFORMATION ONLY

BECHTEL SAN FRANCISCO		
LIMERICK GENERATING STATION UNITS 1 & 2 <small>PHILADELPHIA ELECTRIC COMPANY</small>		
ISI ISOMETRIC - REACTOR BUILDING FEEDWATER LOOP "B" UNIT 2		
	JOB NO. 8031	DRAWING NO. XI-DLA-206-1
NOT FOR CONSTRUCTION		PAGE 1 OF 1



NOTE:
 1) SPOOL DLA-207-1-6A WAS DLA-208-1-6A AND SPOOL DLA-207-1-4A WAS DLA-208-1-4A (REF. MCR 486-9).
 2) PSI UTILITY GE PER M-246B.
 3) INSTALLATION BY GE UNDER SAFE-END REQUIREMENT TO BE DONE DURING RPY HYDRO.
 4) DLA-207-H29 VIOLATES (21+2) REQUIREMENT OF P-319-2 FOR ISI OF DLA-207-1-3 SW2. EDGE OF CLAMP IS 1.3/16" FROM CENTERLINE OF WELD. TEMPORARY SUPPORT IS NOT REQUIRED.
 5) HANGERS DLA-207-H11 AND DLA-207-H25 VIOLATE (21+2) REQUIREMENTS OF P-319-2 FOR ISI OF FW1 AND FW15. REMOVE CLAMPS AS REQUIRED. NO TEMPORARY SUPPORT IS NEEDED FOR H11. A TEMPORARY SUPPORT IS REQUIRED FOR H25. LOAD SET 15200 LBS.
 6) RE-MARKING OF SAFE END WELDS IS TO BE PERFORMED IN ACCORDANCE WITH INSTRUCTIONS OUTLINED IN GE FOUR HW2-8664 REV. 8.

REFERENCE DRAWINGS

- ISI-M-41 ASME SECTION XI BOUNDARY P410
- M-305 PIPING PLAN AREA 13, 14, 17 & 18
- M-306 PIPING PLAN AREA 13, 14, 17 & 18
- SK-M-1552 STRESS ISOMETRIC - UNIT 1
- SK-M-2875 STRESS ISOMETRIC - UNIT 2
- DLA-207-1 FABRICATION ISOMETRIC
- ISI-DLA-207-1 PRESERVICE INSPECTION ISOMETRIC
- MCR 486-9 REFERENCE
- MCR 10709 REFERENCE
- MCR 10734 REFERENCE
- MCR 11849 REFERENCE
- MCR 12298 REFERENCE

DATE	ISSUED FOR	BY	APPROVED
10/1/78	INSPECTION INTERVAL	TP	RC

SEISMIC CLASS 1

BECHTEL
 SAN FRANCISCO

LIMERICK GENERATING STATION
 UNITS 1 & 2
 PHILADELPHIA ELECTRIC COMPANY

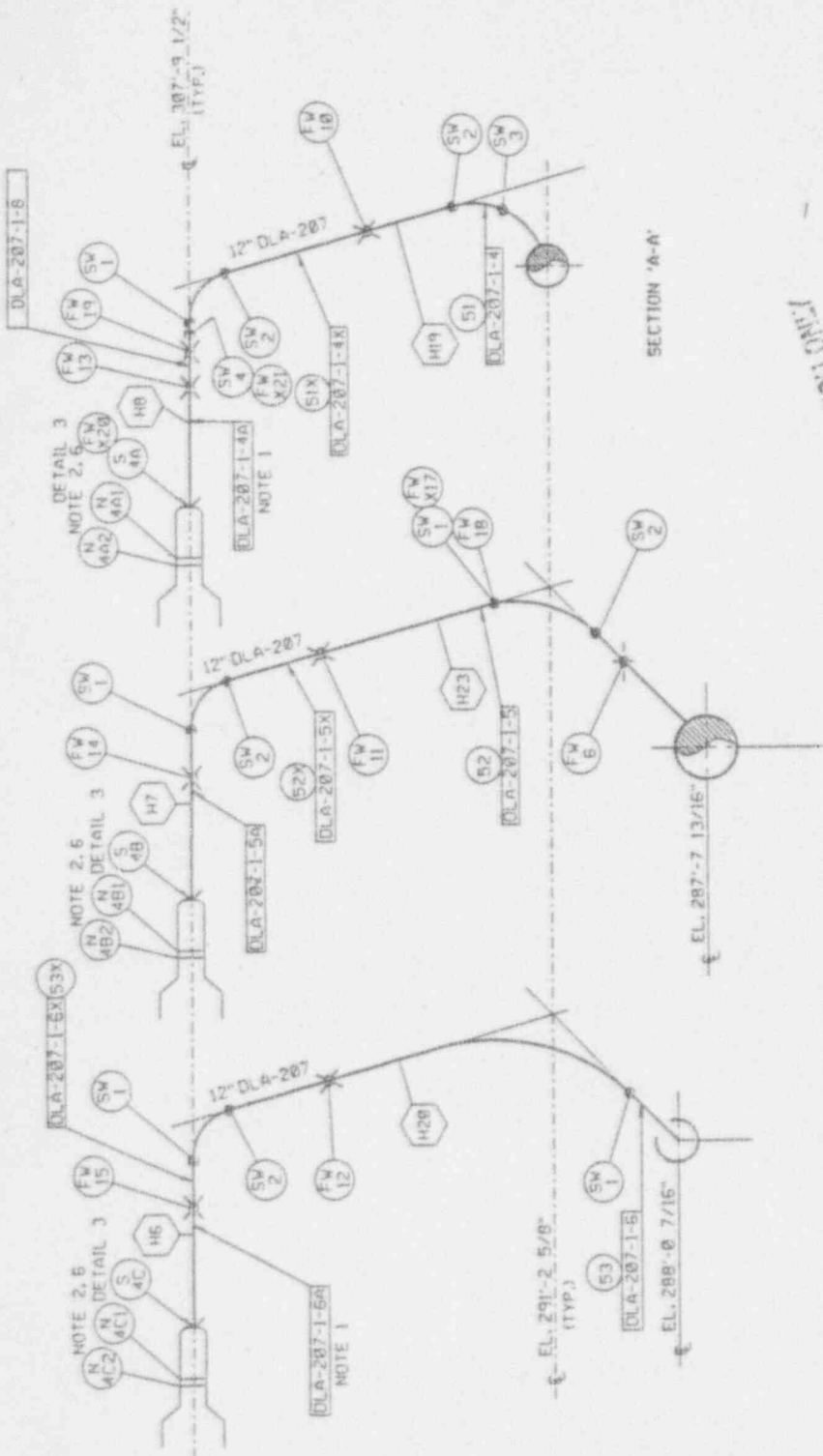
ISI PLAN - REACTOR BUILDING
 PLAN & SECTIONS OF FEEDWATER
 LOOP "A" - INSIDE DRYWELL - UNIT 2

PROJECT NO. 8031

UNIT NO. XI-DLA-207-1

NOT FOR CONSTRUCTION

PAGE 1 OF 2



SECTION 'C-C'

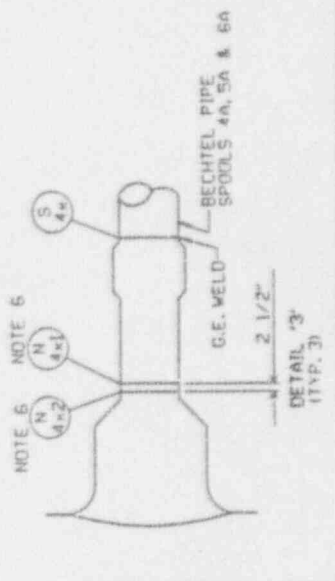
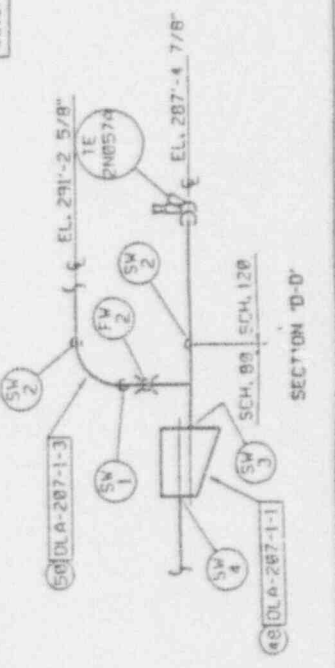
SECTION 'B-B'

SECTION 'A-A'

FOR REFERENCE DRAWINGS AND NOTES
SEE PAGE 1.

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SEISMIC CLASS 1



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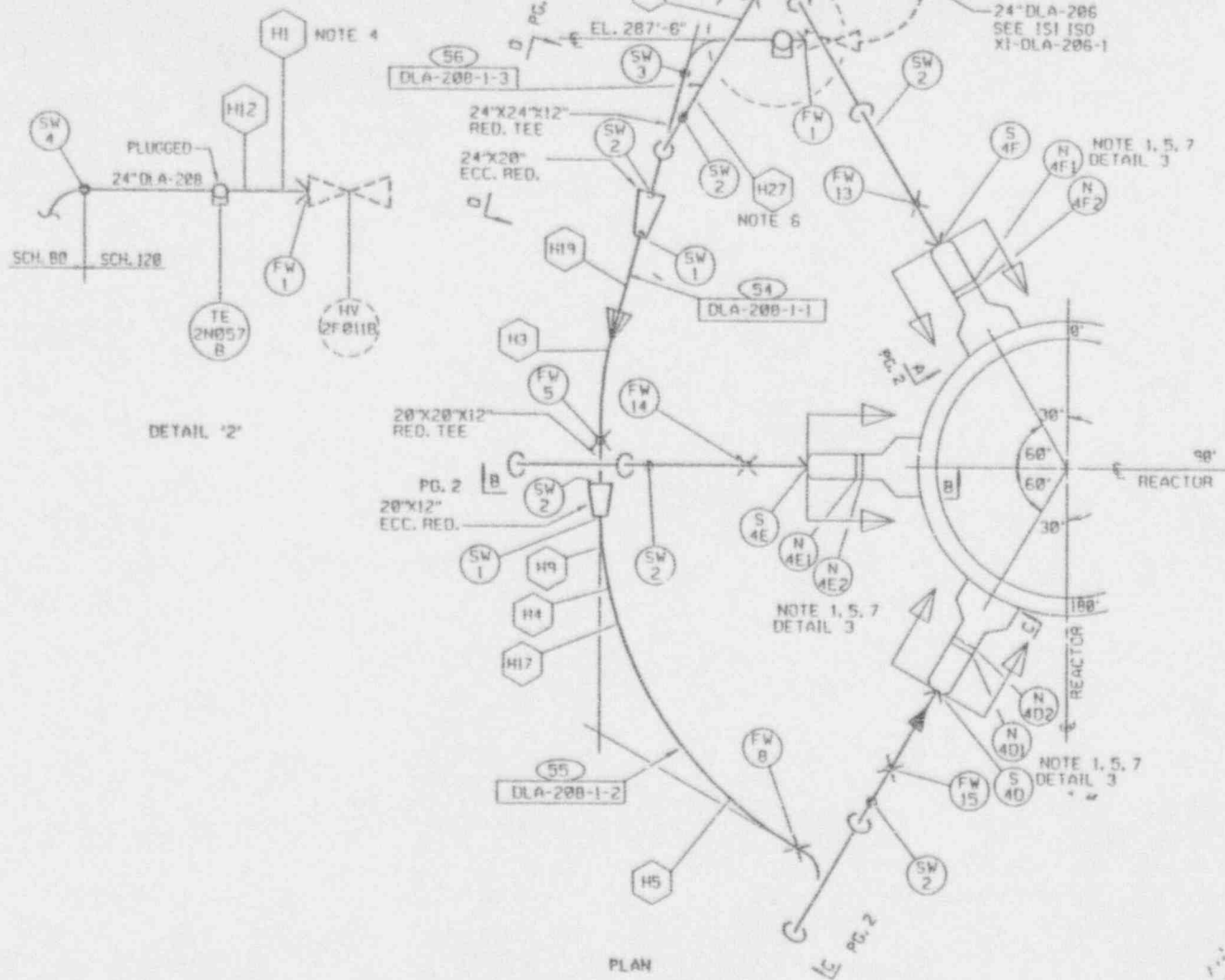
NOTE 6

NOTE 6

BECHTEL SAN FRANCISCO		PROJECT NO. 8031		UNIT XI-DLA-207-1		PAGE 2 OF 2	
LIMERICK GENERATING STATION		DRAWING NO. 8031		UNIT XI-DLA-207-1		PAGE 2 OF 2	
UNITS 1 & 2		DRAWING NO. 8031		UNIT XI-DLA-207-1		PAGE 2 OF 2	
PHE. ALPHAS ELECTRIC COMPANY		DRAWING NO. 8031		UNIT XI-DLA-207-1		PAGE 2 OF 2	
ISI SECTIONS - REACTOR BUILDING		DRAWING NO. 8031		UNIT XI-DLA-207-1		PAGE 2 OF 2	
PLAN & SECTIONS FEEDWATER		DRAWING NO. 8031		UNIT XI-DLA-207-1		PAGE 2 OF 2	
LOOP "A" - INSIDE DRYWELL - UNIT 2		DRAWING NO. 8031		UNIT XI-DLA-207-1		PAGE 2 OF 2	

NOT FOR CONSTRUCTION

PAGE 2 OF 2



- NOTES.**
- 1) INSTALLATION BY G.E. UNDER SAFE END REPLACEMENT TO BE DOCUMENTED DURING R.P.V. HYDRO.
 - 2) SPOOL DLA-208-1-4A WAS DLA-207-1-6A AND SPOOL DLA-208-1-6A WAS DLA-207-1-4A (REF. NCR #4869).
 - 3) FWG HAS A MODIFIED WELD END PREPARATION. BEVEL ANGLE IS APPROX. 35°.
 - 4) HANGER DLA-208-H1 VIOLATES (2T+2I) REQUIREMENTS OF P-319-2 FOR ISI. IF FW1 EDGE OF CLAMP IS 3 1/4\"/>
 - 5) PSI (U.T.) BY G.E. PER 1-246B.
 - 6) HANGER DLA-208-H27 VIOLATES ISI (2T+2I) REQUIREMENTS OF P-319-2 FOR SW2. EDGE OF CLAMP IS 1/2\"/>
 - 7) RE-MARKING OF SAFE END WELDS IS TO BE PERFORMED IN ACCORDANCE WITH INSTRUCTIONS OUTLINED IN GE FDDR H42-8864 REV. 0.

- REFERENCE DRAWINGS**
- ISI-M-41 ASME SECTION XI BOUNDARY PAID
 - M-305 PIPING PLAN AREA 13,14,17 & 18
 - M-306 PIPING PLAN AREA 13,14,17 & 18
 - SK-M-2876 STRESS ISOMETRIC
 - DLA-208-1 FABRICATION ISOMETRIC
 - ISI-DLA-208-1 PRESERVICE INSPECTION ISOMETRIC

NO.	DATE	ISSUED FOR ISI INSP. INTERVAL.	TP	EC	PC	REV.	BY	CHKD	APP'D	DATE

SEISMIC CLASS 1

FOR INFORMATION ONLY

BECHTEL
SAN FRANCISCO

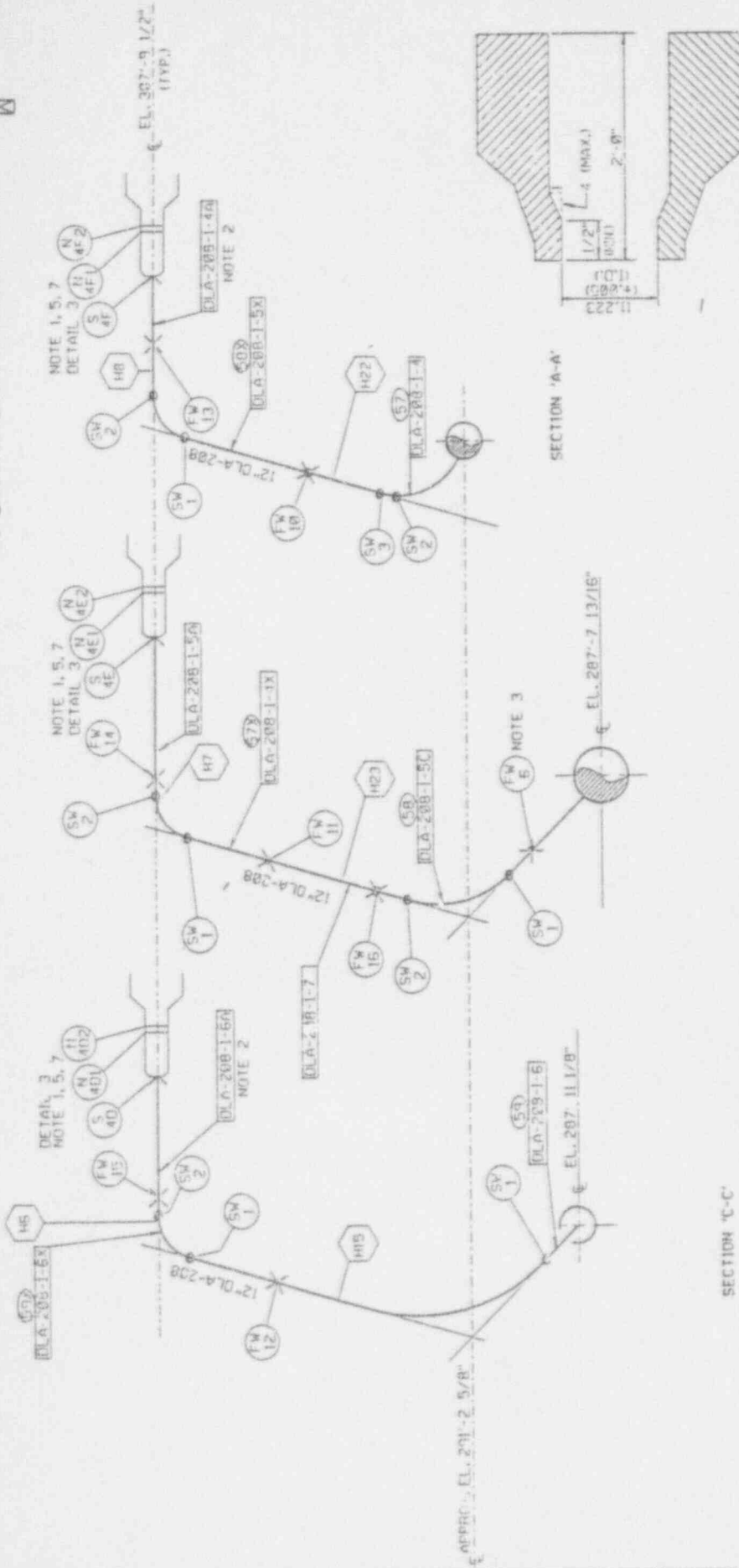
LIMERICK GENERATING STATION
UNITS 1 & 2
PHILADELPHIA ELECTRIC COMPANY

ISI PLAN - REACTOR BUILDING
FEEDWATER LOOP "B"
INSIDE DRYWELL - UNIT 2

	JOB NO. 8031	DRAWING NO. XI-DLA-208-1	REV. 0
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NOT FOR CONSTRUCTION PAGE 1 OF 2

FOR INFORMATION ONLY

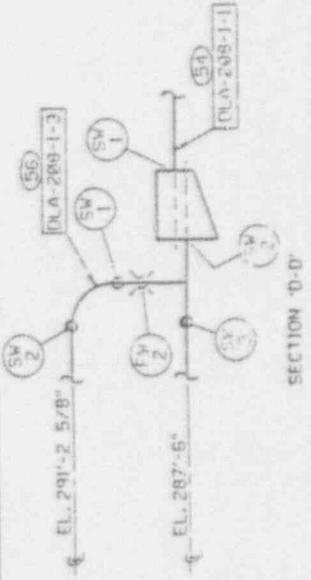


FOR REFERENCE DRAWINGS AND NOTES SEE PAGE 1.

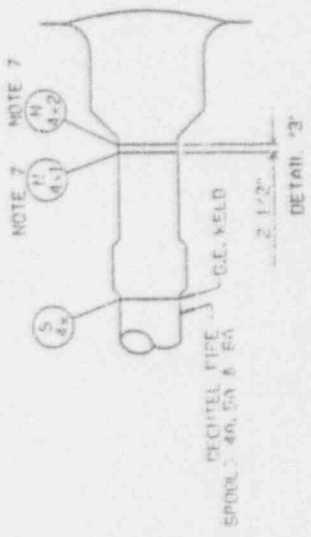
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SEISMIC CLASS 1		BECHTEL SAN FRANCISCO	
LIMERICK GENERATING STATION UNITS 1 & 2		PHILADELPHIA ELECTRIC COMPANY	
ISI SECTIONS REACTOR BUILDING FEEDWATER LOOP "B" INSIDE DRYWELL - UNIT 2		PROJECT NO. 8031 XI-DLA-208-1 0	
NOT FOR CONSTRUCTION		PAGE 2 OF 2	

SECTION 'B-B'



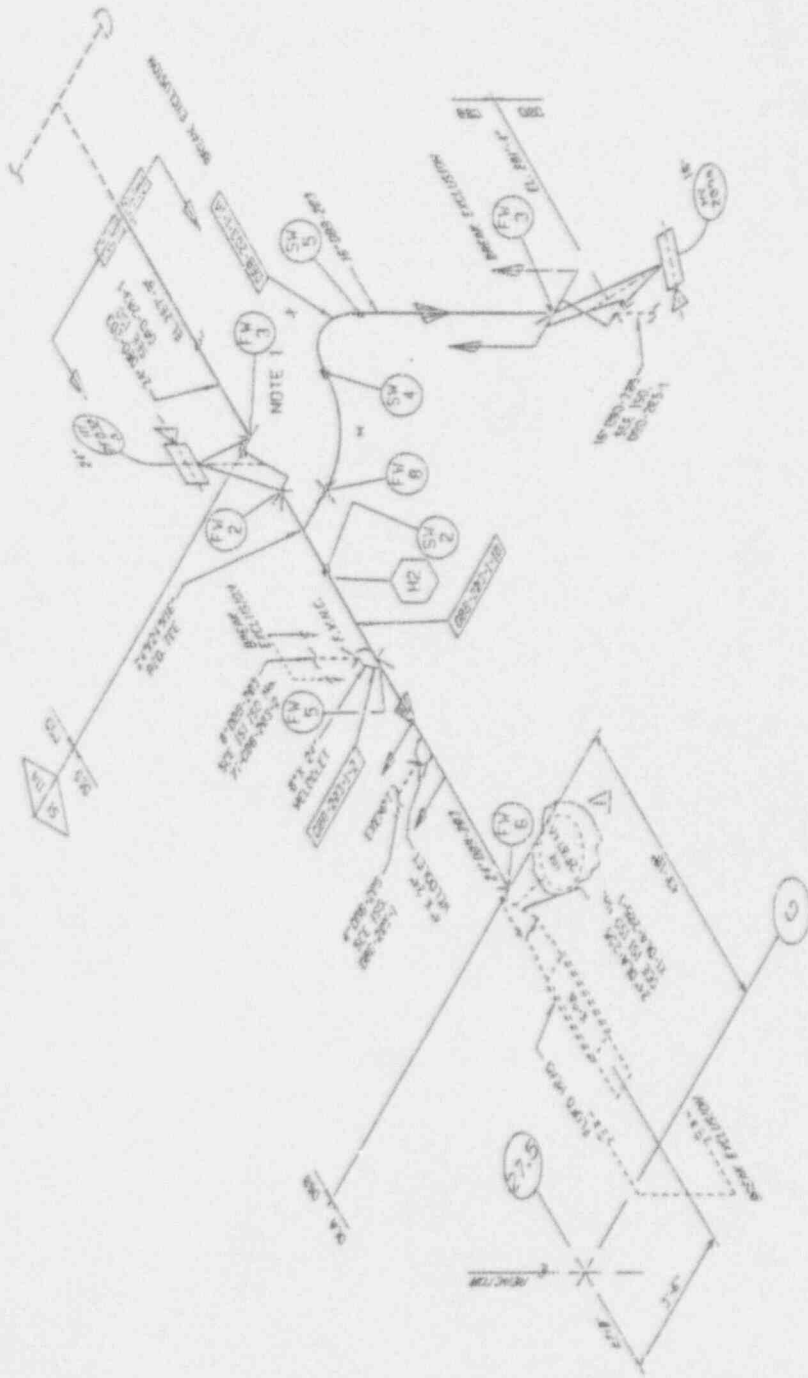
SECTION 'C-C'



DETAIL '3'



SAT 2-450



NOTE:
 IF FOR REQUIRED EXAMINATIONS, REFER
 TO TABLE FOR DWG. CSD 203-1.

REFERENCE DRAWINGS

- ISI-M-41 ASME SECTION XI BOUNDARY PLOD
- M-297 PIPING PLAN AREA 13,14,17 & 18
- M-274 PIPING PLAN AREA 13, 14, 17 & 18
- SK-M-2318 STRESS ISOMETRIC
- DBB-203-1 FABRICATION ISOMETRIC
- DBB-205-1 FABRICATION ISOMETRIC
- DBB-203-1 FABRICATION ISC-ETRIC
- ISI-080-203-1 PRESERVICE INSPECTION ISOMETRIC
- NER 11287 REFERENCE

NO.	DATE	ISSUED FOR	BY	CHKD.	APP'D.
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SEISMIC CLASS 1

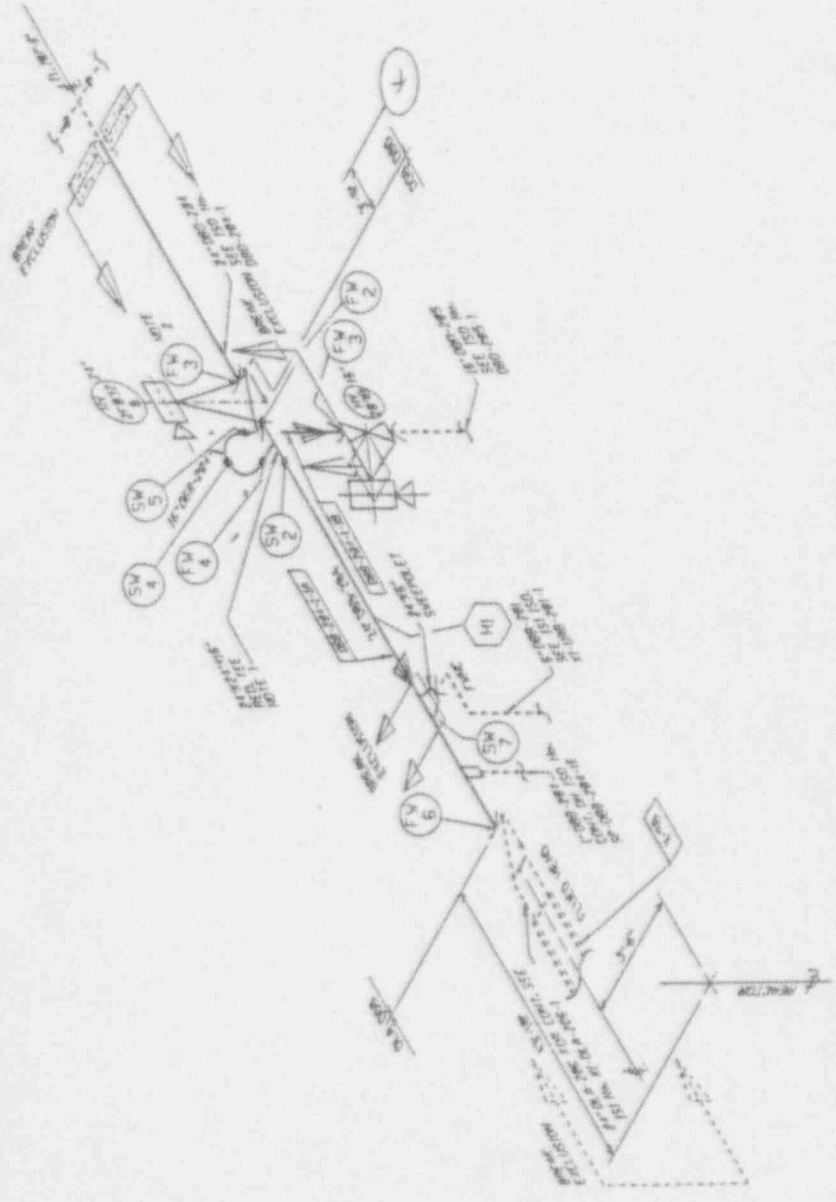
SCALE NONE

BECHTEL
 SAN FRANCISCO

LIMERICK GENERATING STATION
 UNITS 1 & 2
 PARSONS ELECTRIC COMPANY

ISI ISOMETRIC - REACTOR BUILDING
 FEEDWATER LOOP "A" OUTSIDE DRYWELL
 UNIT 2

8031 XI-DBB-203-1 1



NOTE:
 1) CHANGED MATERIAL GRADE OF 24" X 1/2"
 TEE FROM ASME SA-234 GR. WP19 TO ASME
 SA-234 GR. WPC PER CCN No. 08-1449.
 2) FOR REQUIRED EXAMINATIONS REFER TO
 TABLE FOR DWG. DBB-204-1.

REFERENCE DRAWINGS

- ISI-M-41 ASME SECTION XI BOUNDARY P/ID
- M-3095 PIPING PLAN - AREA 13, 14, 17 & 18
- M-234 PIPING PLAN - AREA 13, 14, 17 & 18
- SK-M-2311 STRESS ISOMETRIC
- DBB-204-1 FABRICATION ISOMETRIC
- DBB-204-1 FABRICATION ISOMETRIC
- DBB-205-1 FABRICATION ISOMETRIC
- ISI-DBB-204-1 PRESERVICE INSPECTION ISOMETRIC
- NER 11207 REFERENCE

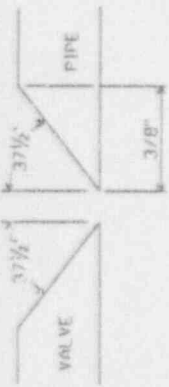
Revised
 4-18-89

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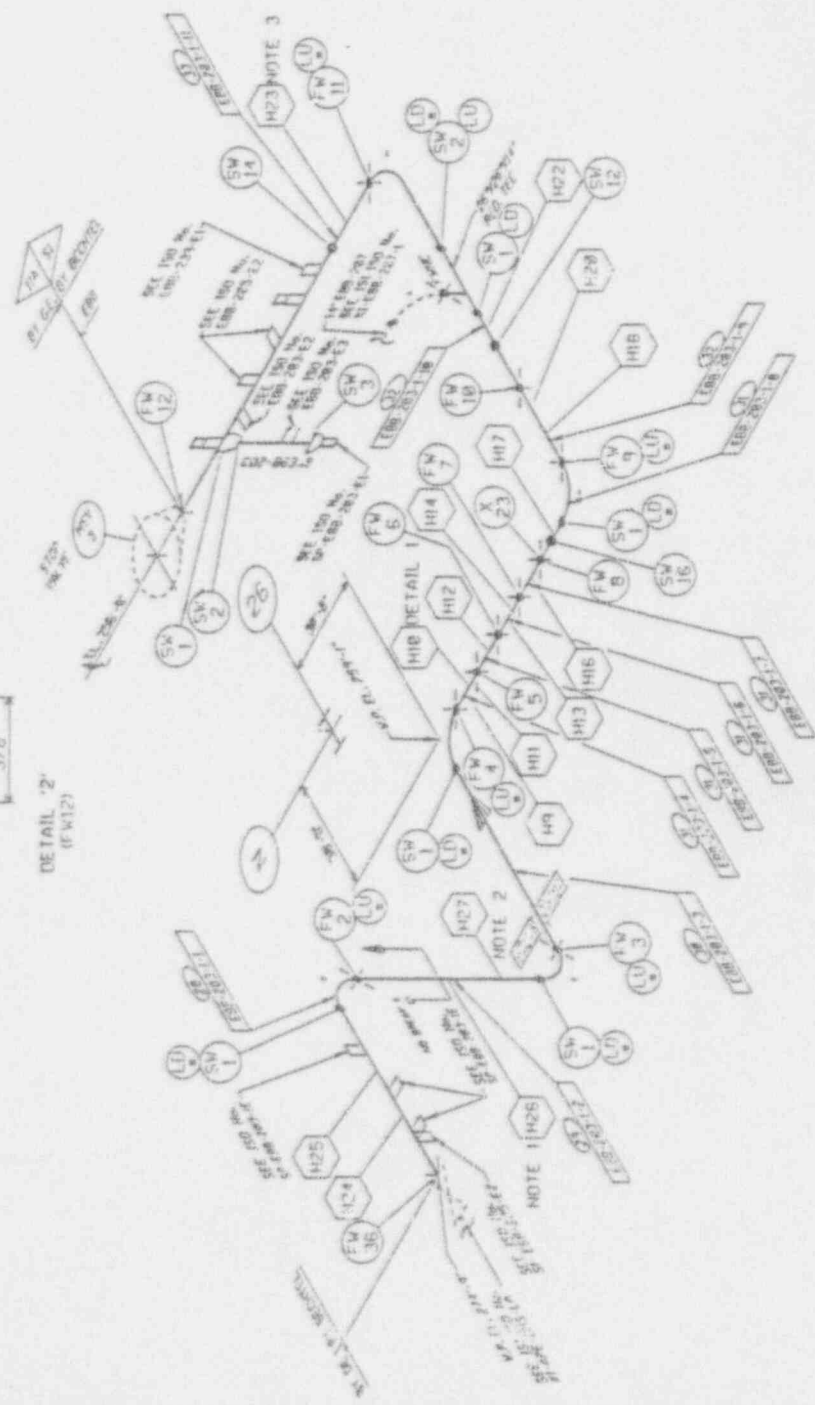
SEISMIC CLASS 1

BECHTEL SAN FRANCISCO	
LIMERICK GENERATING STATION UNITS 1 & 2 PHILADELPHIA ELECTRIC COMPANY	
ISI ISOMETRIC - REACTOR BUILDING FEEDWATER OUTSIDE DRYWELL LOOP "B" - UNIT 2	
	DBB NO. XI-DBB-204-1 SHEET NO. 0
NOT FOR CONSTRUCTION	PAGE 1 OF 1

FOR INFORMATION ONLY



DETAIL '2'
(FW12)



NOTES:
 1) HANGER EBB-203-H25 VIOLATES (2T+2T) REQUIREMENTS FOR FW2. SOME DISASSEMBLY TO SUPPORT ISI VOLUNTARIC EXAMINATION (RTI) MAY BE REQUIRED. EDGE OF CLAMP IS 1" FROM EDGE OF WELD.
 2) HANGER EBB-203-H27 VIOLATES (2T+2T) REQUIREMENTS FOR SW1. SOME DISASSEMBLY TO SUPPORT ISI VOLUNTARIC EXAMINATION (RTI) MAY BE REQUIRED. EDGE OF CLAMP IS 1 1/4" FROM EDGE OF WELD.
 3) HANGER EBB-203-H23 VIOLATES (2T+2T) REQUIREMENTS FOR FW1. CLAMP NEEDS TO BE MOVED ALONG AXIS OF PIPE TO OBTAIN ADEQUATE CLEARANCE FOR ISI. INSULATION SHALL BE REMOVABLE. EDGE OF CLAMP IS 2 1/2" ± 1/2" AWAY FROM EDGE OF WELD.

REFERENCE DRAWINGS

- ISI-M-81 ISME SECTION XI BOUNDARY PAID
- ISI-M-41 ISME SECTION XI BOUNDARY PAID
- H-376 PIPING PLAN
- SK-M-275-6 STRESS ISOMETRIC
- EBB-203 J FABRICATION ISOMETRIC
- ISI-EBB-203-1 PRESERVICE INSPECTION ISOMETRIC

NO.	REV.	DESCRIPTION	DATE	BY	CHK.	ISSUED FOR ISI		NO.	REV.	DESCRIPTION	DATE	BY	CHK.
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SEISMIC CLASS 1

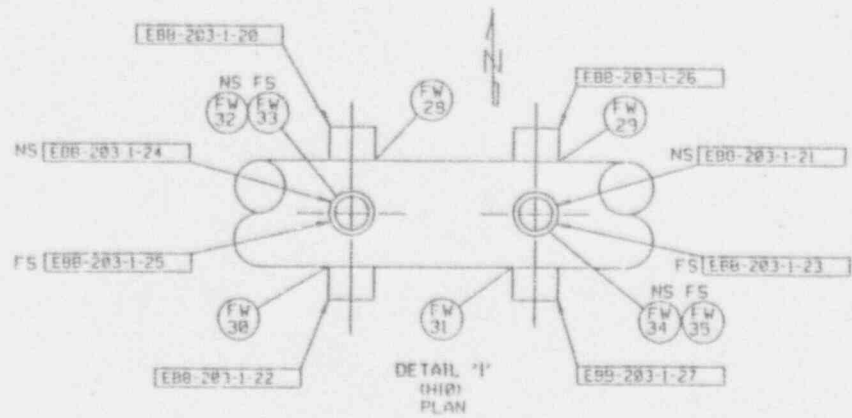
FOR INFORMATION ONLY

BECHTEL
 SAN FRANCISCO

LIMERICK GENERATING STATION
 UNITS 1 & 2
 THE DELPHIA ELECTRIC COMPANY

ISI ISOMETRIC - TURBINE BUILDING
 MAIN STEAM LOOP "A"
 UNIT 2

PROJECT NO.	8031	UNIT NO.	XI-EBB-203-1	REV.	0
NOT FOR CONSTRUCTION PAGE 1 OF 2					



FOR REFERENCE DRAWINGS AND NOTES SEE PAGE 1.

ISSUED FOR 1ST INSP. INTERVAL.	TP	RL	EL	PL	W	W	W	W
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SEISMIC CLASS I SEE NOTE SCALE: 1/4" = 1'-0"

FOR INFORMATION ONLY

BECHTEL SAN FRANCISCO			
LIMERICK GENERATING STATION UNITS 1 & 2 <small>PHILADELPHIA ELECTRIC COMPANY</small>			
ISI ISOMETRIC - TURBINE BUILDING MAIN STEAM LOOP "A" UNIT 2			
	JOB NO. 8031	ISSUE NO. ISI-EBB-203-1	REV. 0
NOT FOR CONSTRUCTION		PAGE 2 OF 2	

FOR INFORMATION ONLY



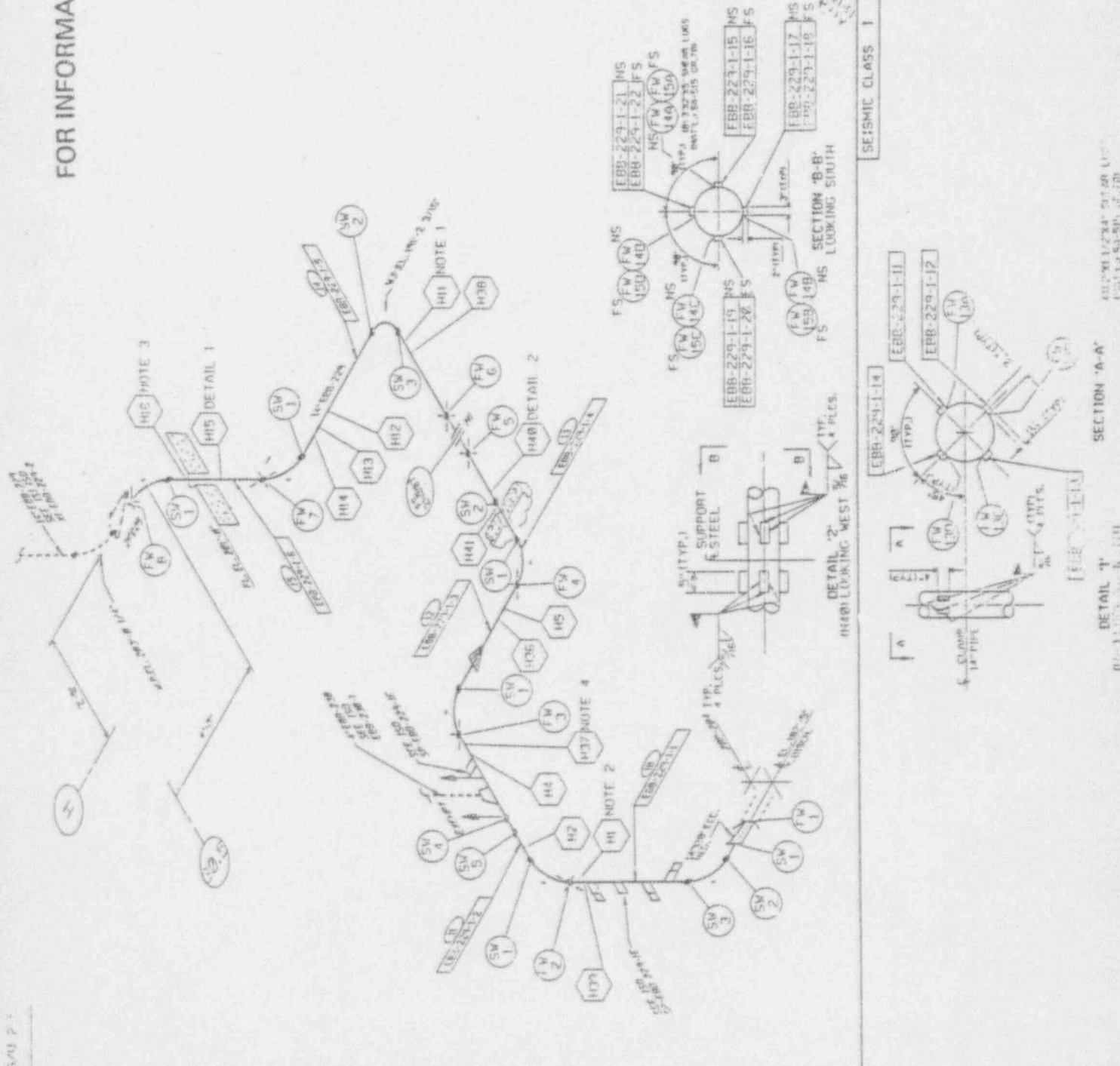
NOTE:
 1) HANGER EBB-229-111 VIOLATES (2T+2P) REQUIREMENTS OF P-319-2 FOR IS. OF EBB-229-1-5 SW3 SUPPORT IS NON-REMOVABLE AND ITS PLATES PREVENT A COMPLETE SURFACE OR VOLUMETRIC EXAMINATION. NO CLEARANCE EXISTS TO VIOLATE LINE OF WELD.
 2) HANGER EBB-229-111 VIOLATES (2T+2P) REQUIREMENTS OF P-319-2 FOR IS. OF FW2. THE CLAMP IS REMOVABLE AND NO TEMPORARY SUPPORT IS REQUIRED. EDGE OF CLAMP IS APPROX. 1" FROM CENTERLINE OF WELD.
 3) HANGER EBB-229-112 VIOLATES (2T+2P) REQUIREMENTS OF P-319-2 FOR IS. OF FW2. THE CLAMP IS REMOVABLE AND NO TEMPORARY SUPPORT IS REQUIRED. EDGE OF CLAMP IS APPROX. 1" FROM CENTERLINE OF WELD.
 4) HANGER EBB-229-113 VIOLATES (2T+2P) REQUIREMENTS OF P-319-2 FOR IS. OF FW3. EDGES OF SHIM PLATES ARE APPROX. 1/2" FROM CENTERLINE OF WELD. HANGER IS NON-REMOVABLE.

REFERENCE DRAWINGS

- IS1-14-55 ASME SECTION XI SUPPLEMENTARY PAINT PAINT
- H-55 PIPING PLAN - AREA 14
- H-298 PIPING PLAN - AREA 14
- H-299 PIPING PLAN - AREA 18
- H-310 STRESS ISOMETRIC
- SK-M-2237 FABRICATION LINE DIAG.
- EBB-229-1 PRESERVICE INSPECTION ISOMETRIC
- IS1-EBB-229-1

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2		ISSUED FOR 2ND INSPECTION INTERVAL	PC	PC	11/85
3		ISSUED FOR 3RD INSPECTION INTERVAL	PC	PC	11/85
4		ISSUED FOR 4TH INSPECTION INTERVAL	PC	PC	11/85

SCALE NONE		PROJECT CRYSTAL CITY	
SEISMIC CLASS 1			
BECHTEL SAN FRANCISCO			
LIMERICK GENERATING STATION UNITS 1 & 2 PHILADELPHIA ELECTRIC COMPANY			
1ST ISOMETRIC - REACTOR BUILDING HIGH PRESSURE COOLANT INJECTION UNIT 2			
DATE	NO.	DESCRIPTION	REV.
11/85	0031	XI-EBB-229-1	0
NOT FOR CONSTRUCTION			PAGE 1 OF 1



SECTION CLASS 1

SECTION 'A-A'
NS LOOKING WEST 7/8

SECTION 'B-B'
NS LOOKING SOUTH

DETAIL 1
NS LOOKING WEST 7/8

DETAIL 2
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DETAIL 75
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DETAIL 76
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DETAIL 77
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DETAIL 78
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DETAIL 79
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DETAIL 80
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DETAIL 81
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DETAIL 82
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DETAIL 83
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DETAIL 87
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DETAIL 89
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DETAIL 90
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DETAIL 91
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DETAIL 92
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DETAIL 93
NS LOOKING WEST 7/8



REFERENCE DRAWINGS

- ISI-M-49 ASME SECTION VI BOUNDARY P&ID
- M-200 PIPING PLAN AREA 14
- M-319 PIPING PLAN AREA 10
- SK-M-2249 STRESS ISOMETRIC
- SK-M-2250A STRESS ISOMETRIC
- SK-M-2250B STRESS ISOMETRIC
- EBB-230-1 FABRICATION ISOMETRIC
- ISI-ER0-230-1 PRESERVICE INSPECTION ISOMETRIC

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SEISMIC CLASS 1

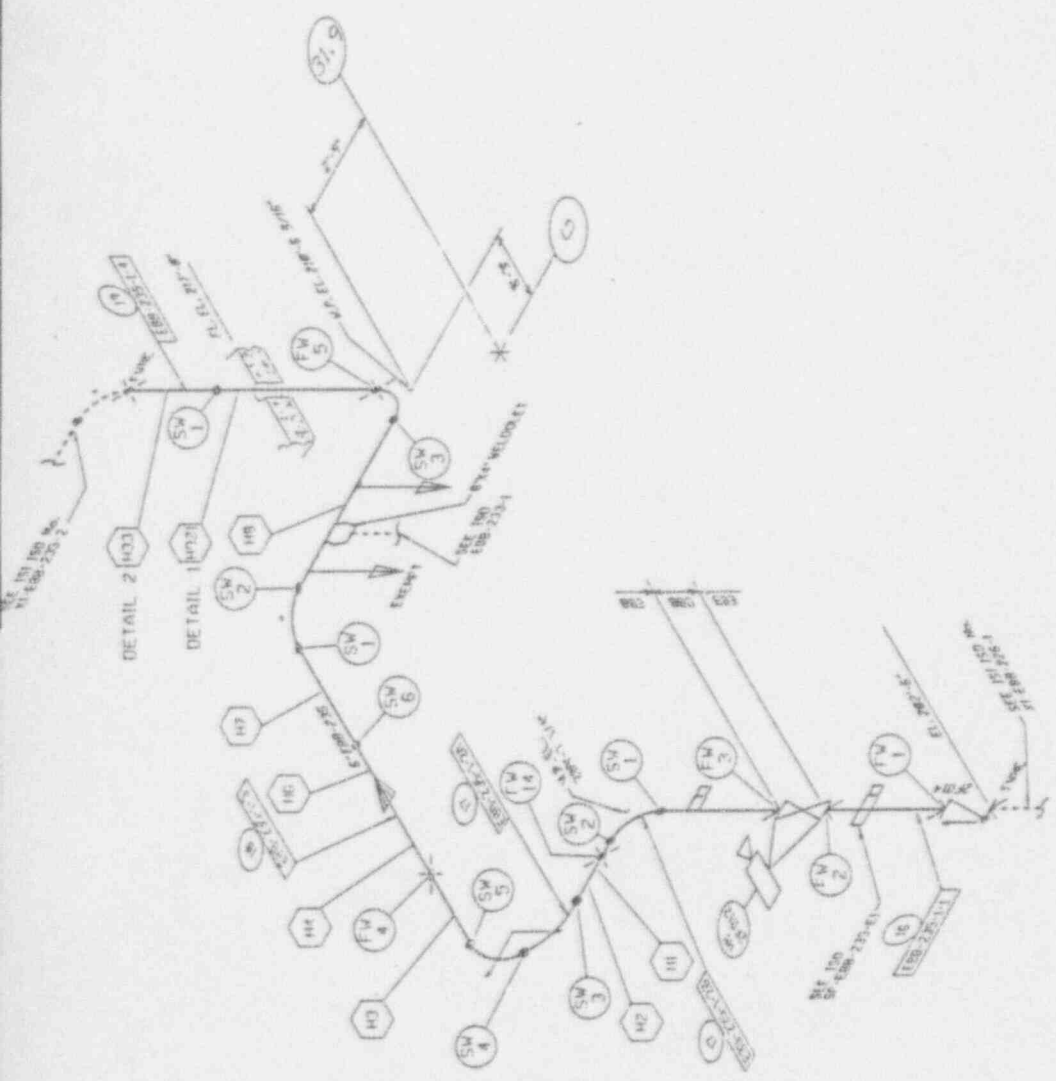
BECHTEL
SAN FRANCISCO

LIMERICK GENERATING STATION
UNITS 1 & 2
PHILADELPHIA ELECTRIC COMPANY

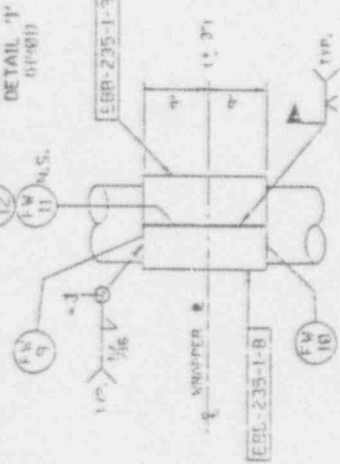
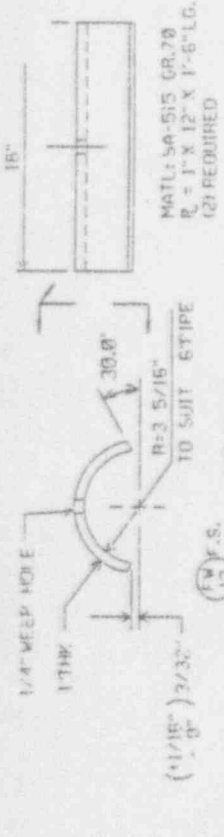
ISI ISOMETRIC - REACTOR BUILDING
REACTOR CORE ISOLATION COOLING
UNIT 2

PROJECT NO.	8031	SI-EBB-235-1	0
NOT FOR CONSTRUCTION PAGE 1 OF 2			

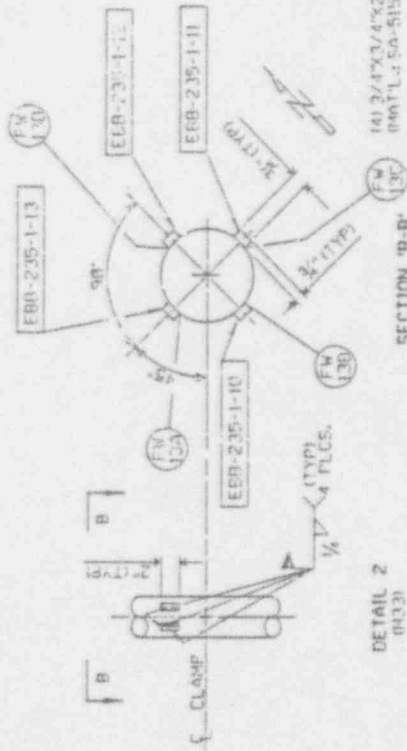
FOR INFORMATION ONLY



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WELDING DETAIL
ELEVATION: LOOKING NORTH



SECTION B-B
1/4\"/>

FOR REFERENCE DRAWINGS AND
NOTES SEE PAGE 1.

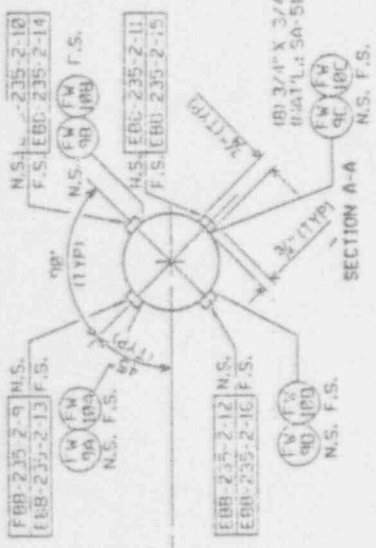
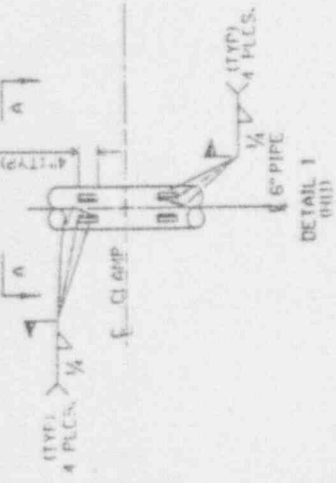
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SEISMIC CLASS 1

BECHTEL SAN FRANCISCO	
LIMERICK GENERATING STATION UNITS 1 & 2 PHILADELPHIA ELECTRIC COMPANY	
ISI ISOMETRIC - REACTOR BUILDING REACTOR CORE ISOLATION COOLING UNIT 2	
8031	XI-EBB-235-1
NOT FOR CONSTRUCTION	
PAGE 2 OF 2	

FOR INFORMATION ONLY

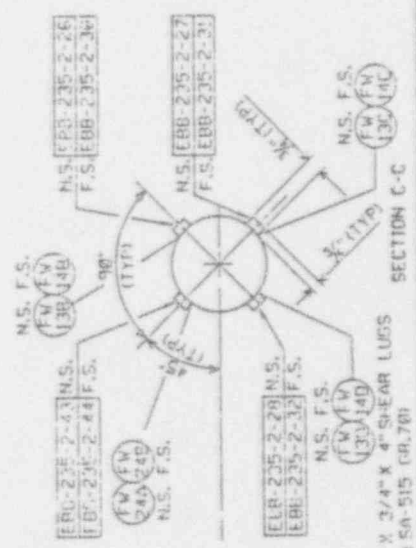
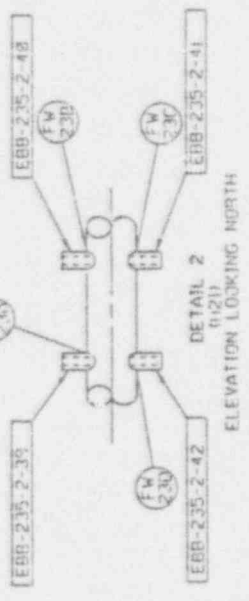
S/U 2



(B) 3/4" X 3/4" X 4" SHEAR LUGS
(MAT'L: SA-515 GR.70)

FW (90) (TYP)
FW (90) (TYP)
FW (90) (TYP)
FW (90) (TYP)

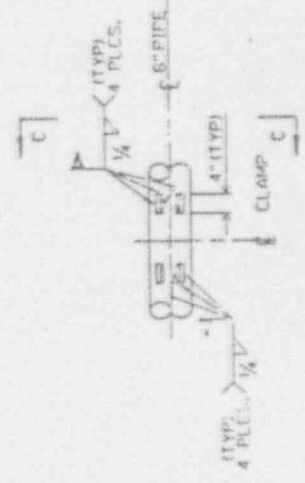
N.S. F.S.



(B) 3/4" X 3/4" X 4" SHEAR LUGS
(MAT'L: SA-515 GR.70)

FW (90) (TYP)
FW (90) (TYP)
FW (90) (TYP)

N.S. F.S.



FOR REFERENCE DRAWINGS AND NOTES SEE PAGE 1.

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SCALE: 100%

BECHTEL SAN FRANCISCO	
LINERICK GENERATING STATION UNITS 1 & 2 PHILADELPHIA ELECTRIC COMPANY	
151 ISOMETRIC - REACTOR BUILDING REACTOR CORE ISOLATION COOLING UNIT 2	
NO. 8031	REV. XI-EBB-235-2-6
NOT FOR CONSTRUCTION	
PAGE 2 OF 2	

FOR INFORMATION ONLY



FOR INFORMATION ONLY

NOTE:
 1) HANGER GBB-201-H36 VIOLATES 121+21" REQUIREMENTS OF P-319-2 FOR 1ST OF FW20. CLAMP IS REMOVABLE AND TEMPORARY SUPPORT IS NOT REQUIRED. EDGE OF CLAMP IS LOCATED 1/2" FROM EDGE OF WELD.
 2) HANGER GBB-201-H5 VIOLATES 121+21" REQUIREMENTS OF P-319-2 FOR 1ST OF FW20. SW5 CLAMP IS REMOVABLE AND NO TEMPORARY SUPPORT IS REQUIRED. EDGE OF CLAMP IS APPROX. 1/2" FROM EDGE OF WELD.

REFERENCE DRAWINGS

- ISI-M-51 ASME SECTION XI BOUNDARY PAID
- M-308 PIPING PLAN AREA 17
- M-309 PIPING PLAN AREA 17
- M-317 PIPING PLAN AREA 17
- M-318 PIPING PLAN AREA 17
- SKM-2100 STRESS ISOMETRIC
- GBB-201-1 FABRICATION ISOMETRIC
- ISI-GBB-201-1 PRESERVICE INSPECTION ISOMETRIC
- NCR 18651 REFERENCE

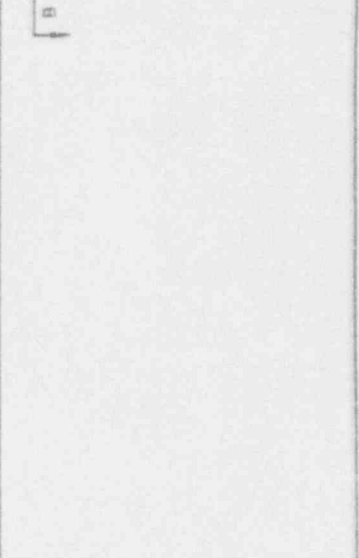
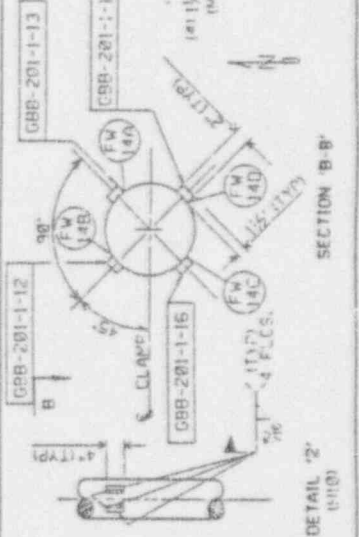
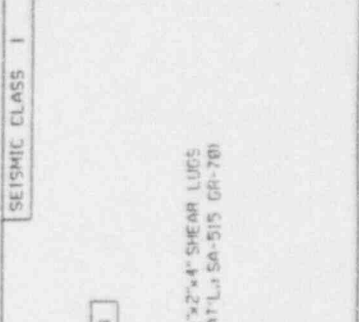
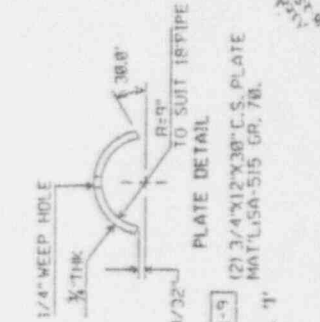
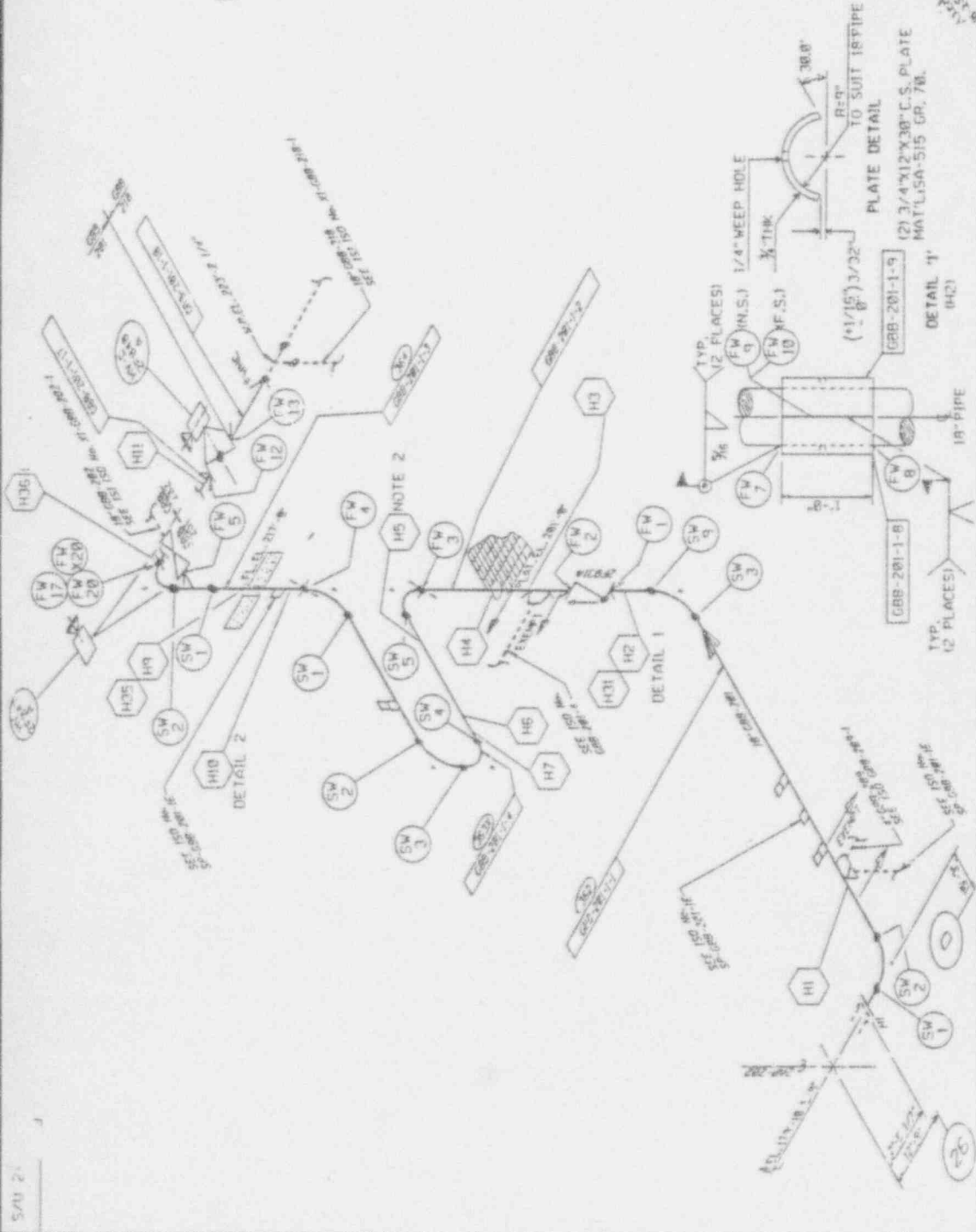
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BECHTEL
 SAN FRANCISCO
 LIMERICK GENERATING STATION
 UNITS 1 & 2
 PHOENIX ELECTRIC COMPANY

ISI ISOMETRIC - REACTOR BUILDING
 RESIDUAL HEAT REMOVAL LOOP "A"
 UNIT 2

8031 XI-GBB-201-1 0

NOT FOR CONSTRUCTION PAGE 1 OF 1



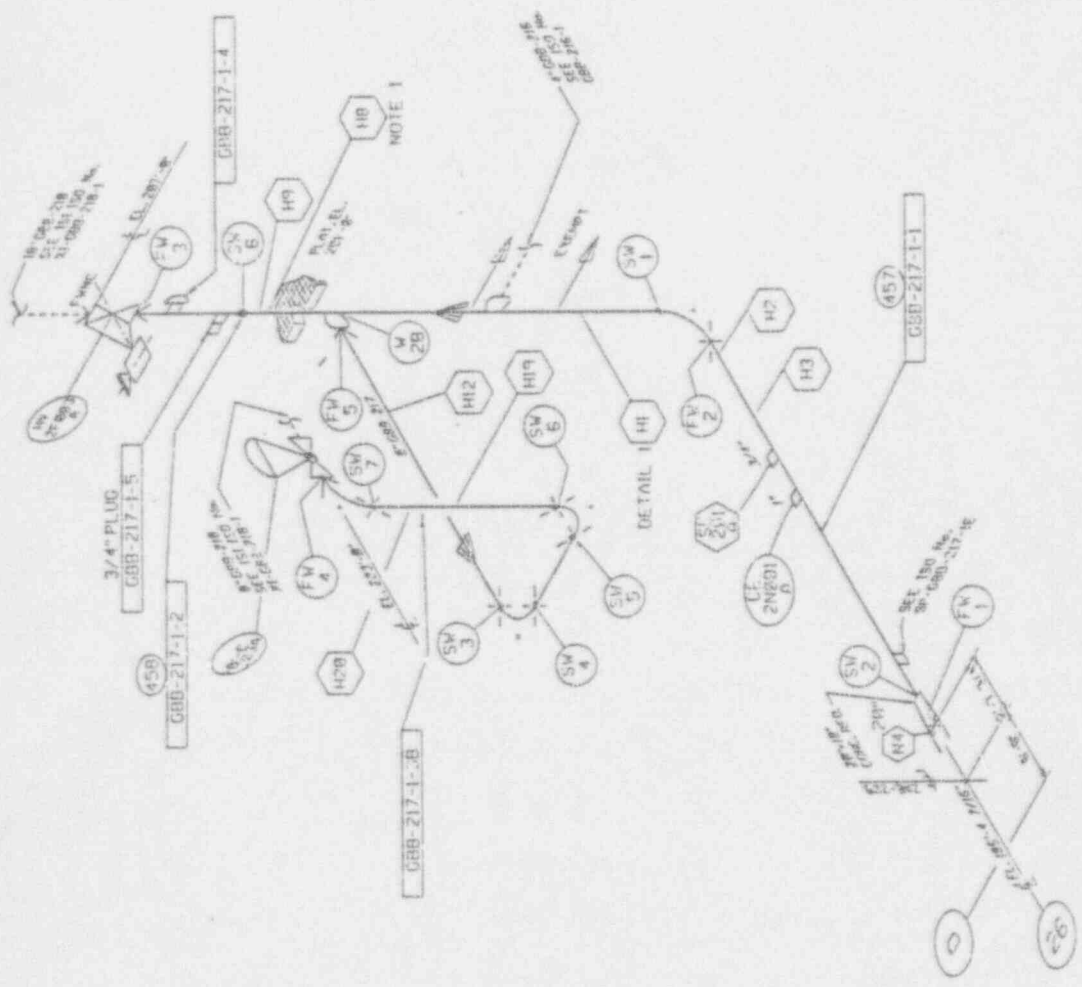
SECTION B-B

DETAIL 2

DETAIL 1

DETAIL 1

DETAIL 1



NOTE: 1. CHANGE FV-217-1-10 VIOLATES 121.2(b) REQUIREMENTS OF P-301.2 FOR 1/2" GDS-217-1-2 SWG. CL. 3 IS NOT ALLOWED. ANS. NO. 1716 GROUP 1. SP. 1.1 REQUIRED. EDGE OF CLAMP IS APPROX. 2 1/2" FROM EDGE OF WELD.

REFERENCE DRAWINGS

- ISI-M-51 ASME SECTION XI SUPPLEMENTARY PART
- M-308 PIPING PLAN - AREA 17
- M-317 PIPING PLAN - AREA 17 & 10
- SK-M-2165 STATIC ISOMETRIC
- GBB-217-1 FABRICATION ISOMETRIC
- ISI-GBB-217-1 PRESERVICE INSPECTION ISOMETRIC

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SEISMIC CLASS 1

FOR INFORMATION ONLY

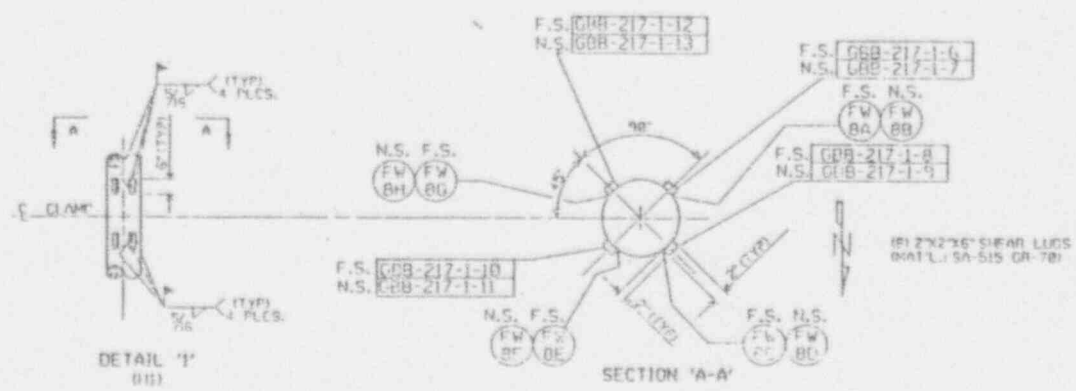
BECHTEL
SAN FRANCISCO

LIMERICK GENERATING STATION
UNITS 1 & 2
FUELED BY THE COMPANY

ISOMETRIC FACTOR BUILDING
RESIDUAL HEAT REMOVAL
LOOP "N" - UNIT 2

8031 XI-GHD-217-1 9

NOT FOR CONSTRUCTION PAGE 1 OF 2

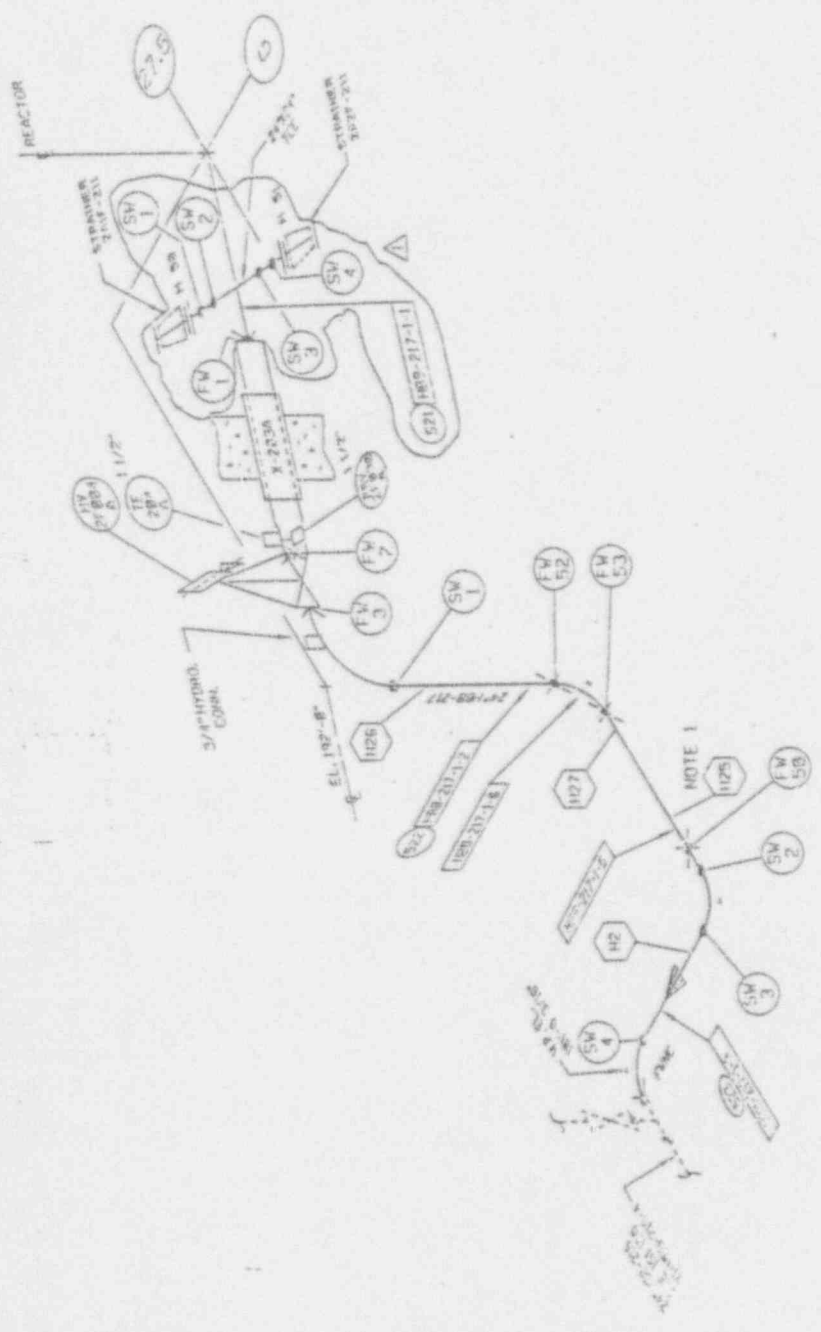


FOR REFERENCE DRAWINGS AND NOTES SEE PAGE 1.

FOR INFORMATION ONLY

NO.	DATE	REVISION	BY	CHKD	APP'D	REV	DATE	BY	CHKD	APP'D	REV	DATE
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BECHTEL SAN FRANCISCO LIMERICK GENERATING STATION UNITS 1 & 2 PHILADELPHIA ELECTRIC COMPANY 1ST ISOMETRIC - REACTOR BUILDING RESIDUAL HEAT REMOVAL LOOP "A" - UNIT 2												
8031		XI-GDB-217-1		0								
NOT FOR CONSTRUCTION								PAGE 2 OF 2				

5/11 2-4



REV. 1 NOTE: DELETED EXEMPTION ARROWS AT X-217-1 PER OWNER'S DIRECTIVE.

NOTE:
 UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN INCHES.
 UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE TO CENTERLINE UNLESS INDICATED OTHERWISE.
 ALL DIMENSIONS ARE TO BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.
 APPROX. 1/4" FROM THE EDGE OF THE WELDS.

REFERENCE DRAWINGS

- ISI-M-51 ASME SECT. XI BOUNDARY P-10
- M-308 PIPING PLAN AREA 17
- M-317 PIPING PLAN AREA 17
- SC-H-7129A STEEL ISOMETRIC
- ISI-M-217-1 FABRICATION TOLERANCE
- ISI-M-217-1 PRESERVICE INSPECTION ISOMETRIC

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SEISMIC CLASS 1

BECHTEL
 SAN FRANCISCO

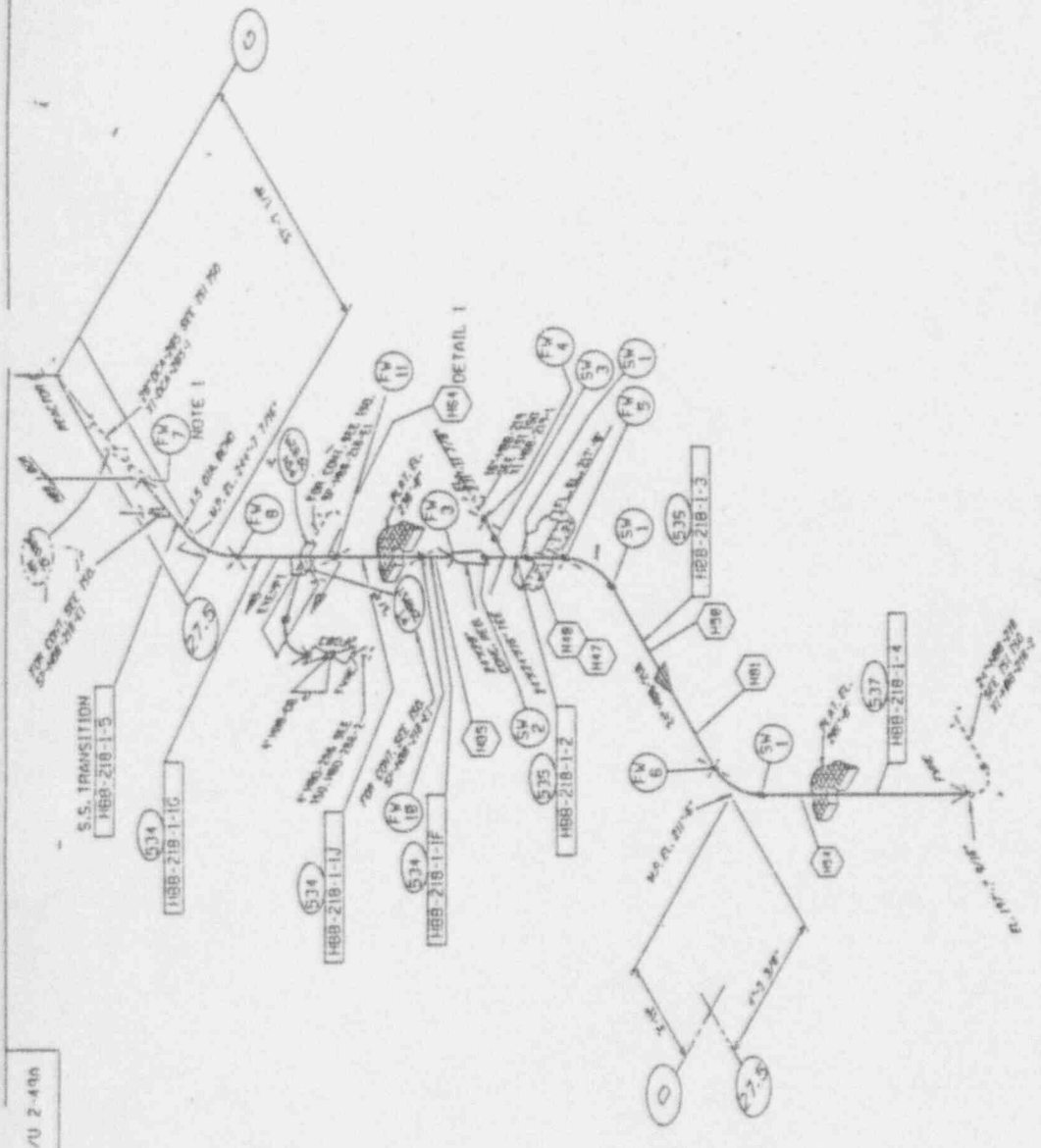
LIMERICK GENERATING STATION
 UNITS 1 & 2
 THE PACIFIC ELECTRIC COMPANY

ISOMETRIC - REACTOR BUILDING
 RESIDUAL HEAT REMOVAL LOOP "A"
 UNIT 2

PROJECT NO.	80-1	DATE	11-197-217-1
UNIT			1

NOT FOR CONSTRUCTION PAGE 1 OF 1

FOR INFORMATION ONLY



SEISMIC CLASS 1

FOR INFORMATION ONLY

BECHTEL	
SAN FRANCISCO	
LIMERICK GENERATING STATION	
UNITS 1 & 2	
PHILADELPHIA ELECTRIC COMPANY	
ISI ISOMETRIC-REACTOR BLDG	
RESIDUAL HEAT REMOVAL-UNIT 2	
DATE	NO.
08/31	XI-HBB-218-1
NOT FOR CONSTRUCTION	
PAGE 1 OF 1	

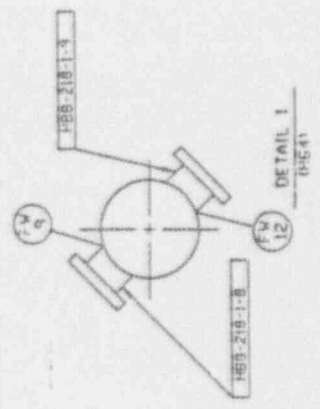
NOTE: IF FV7 AT VALVE IS HEAT SINK WELD.

REFERENCE DRAWINGS

ISI-H-91 ASME SECTION XI BOUNDARY PAID
 H-318 PIPING PLAN-AREA 1B
 H-319 PIPING PLAN-AREA 1B
 H-328 PIPING PLAN-AREA 1B
 SK-11-2131A STRESS ISOMETRIC
 HBB-218-1 FABRICATION ISOMETRIC
 ISI-HBB-218-1 PRESERVICE INSPECTION ISOMETRIC

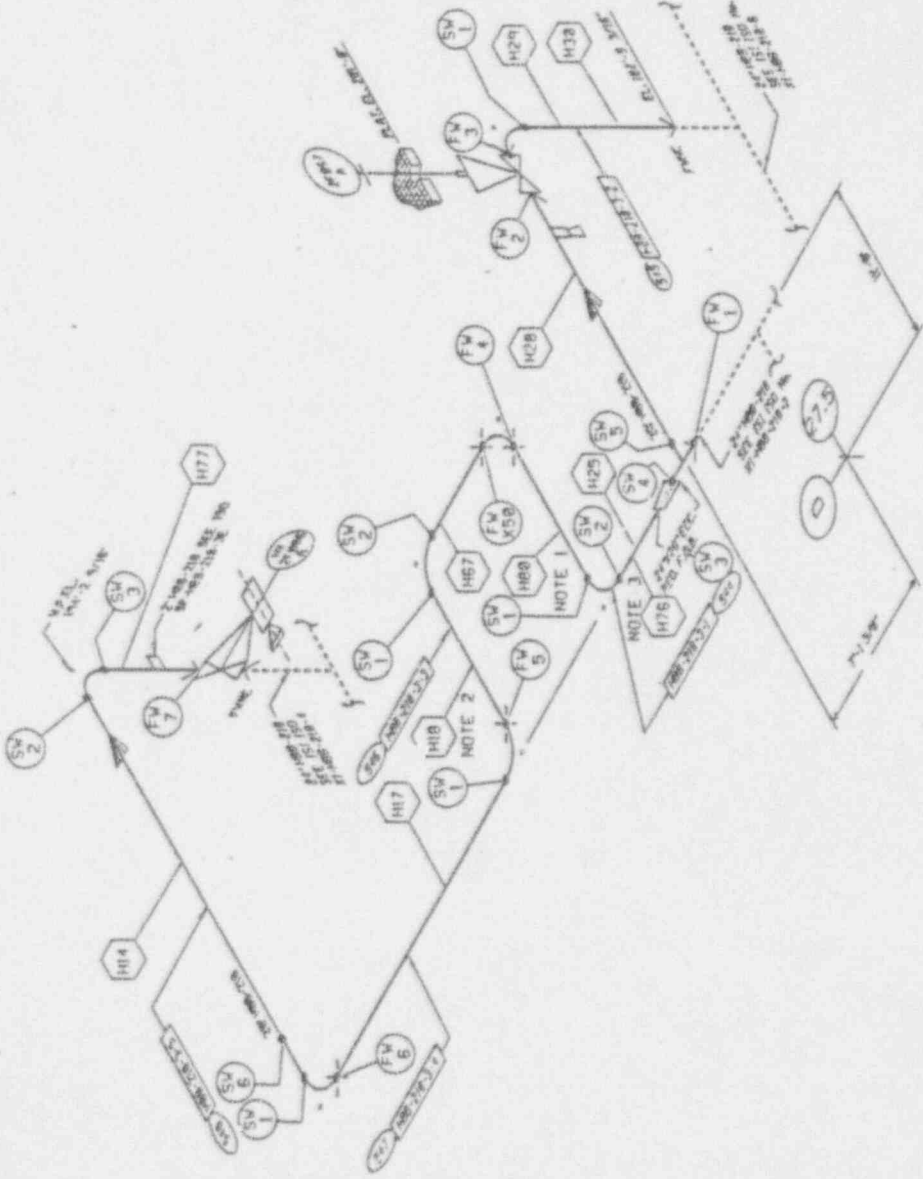
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INSPECTION	DC	08/31
INSPECTION	DC	08/31

S/U 2-400





S/U 2-45A



NOTE:
 1) HANGER HBB-218-HB8 VIOLATES (21+21) REQUIREMENTS OF P-319-2 FOR IS1 OF HBB-218-3 1/4" AWAY FROM CENTERLINE OF WELD. HANGER IS REMOVABLE AND NO TEMPORARY SUPPORT IS REQUIRED.
 2) HANGER HBB-219-HB9 VIOLATES (21+21) REQUIREMENTS OF P-319-2 FOR IS1 OF HBB-218-3 1/4" AWAY FROM CENTERLINE OF WELD. HANGER IS REMOVABLE AND NO TEMPORARY SUPPORT IS REQUIRED.
 3) HANGER HBB-218-HB7S VIOLATES (21+21) REQUIREMENTS OF P-319-2 FOR IS1 OF HBB-218-3 1/4" AWAY FROM CENTERLINE OF WELD. HANGER IS REMOVABLE AND NO TEMPORARY SUPPORT IS REQUIRED.
 4) HANGER HBB-218-HB7S VIOLATES (21+21) REQUIREMENTS OF P-319-2 FOR IS1 OF HBB-218-3 1/4" AWAY FROM CENTERLINE OF WELD. HANGER IS REMOVABLE AND NO TEMPORARY SUPPORT IS REQUIRED.

REFERENCE DRAWINGS

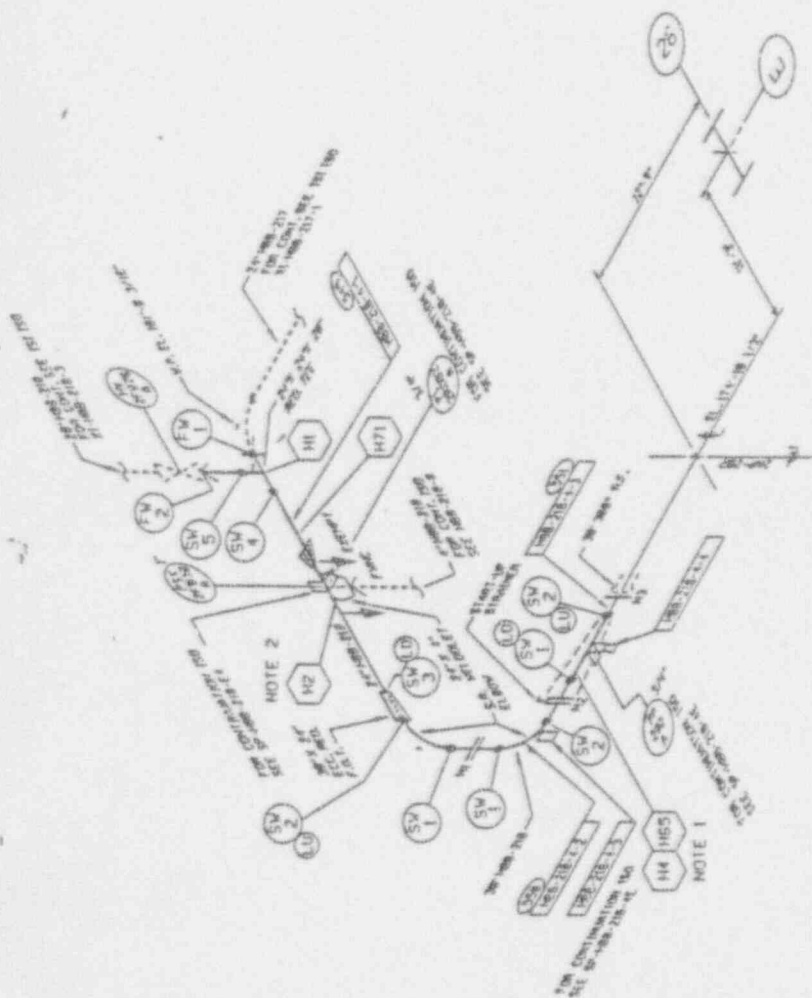
- ISI-N-51 ASME SECTION XI BOUNDARY P&ID
- H-317 PIPING PLAN AREA 17
- SK-M-2133 STRESS ISOMETRIC
- HBB-218-3 FABRICATION ISOMETRIC
- ISI-HBB-218-3 PRESERVICE INSPECTION ISOMETRIC

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SEISMIC CLASS 1

FOR INFORMATION ONLY

BECHTEL SAN FRANCISCO	
LIMERICK GENERATING STATION UNITS 1 & 2 PACIFIC GAS AND ELECTRIC COMPANY	
IS1 ISOMETRIC - REACTOR BUILDING RESIDUAL HEAT REMOVAL UNIT 2	
PROJECT NO. 8031	UNIT NO. XI-HBB-218-3
NOT FOR CONSTRUCTION PAGE 1 OF 1	



NOTE:
 1) HANGERS HBB-218-144 AND HBB-218-465 VIOLATE 121.21" REQUIREMENTS OF P-319.2. THE CLAMP IS TO BE REMOVED DURING ISI OF HBB-218-4-3 SW2 AND SW2 LU. TEMPORARY SUPPORT TO CARRY WEIGHTS FORWARDS IS REQUIRED. EDGE OF CLAMP IS APPROX. 1" WEST OF EDGE OF WELD.
 2) HANGER HBB-218-442 VIOLATES 121.21" REQUIREMENTS OF P-319.2 FOR ISI OF HBB-218-4-1 SW3. CENTERLINE OF WELD IS APPROX. 1 3/8" SOUTH OF EDGE OF CLAMP. CLAMP IS REMOVABLE AND TEMPORARY SUPPORT IS NOT REQUIRED.

REFERENCE DRAWINGS

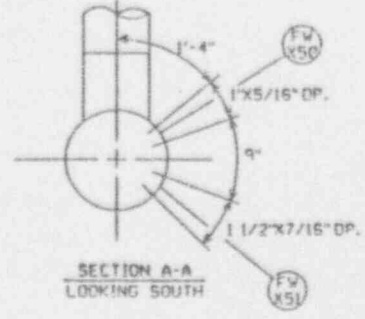
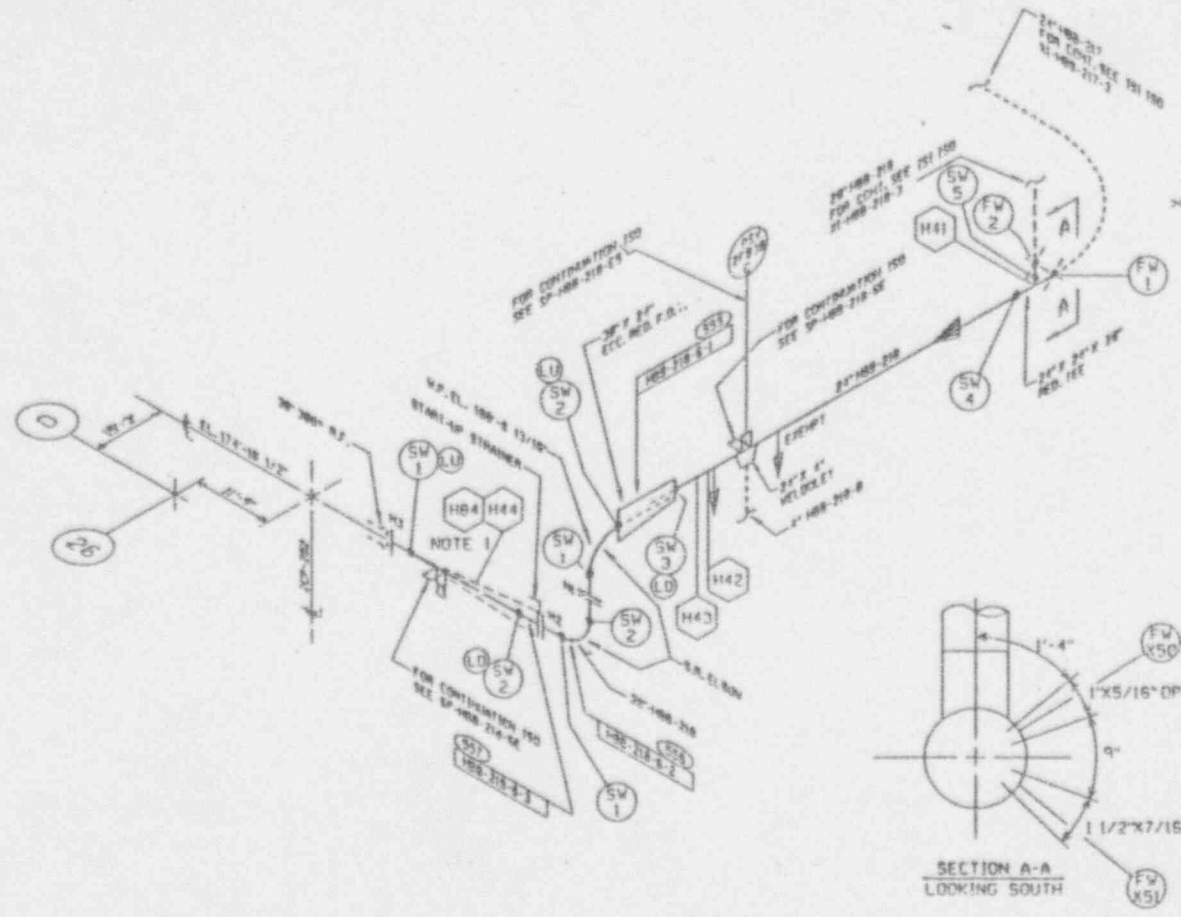
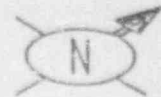
- ISI-M-31 ASME SECTION XI BOUNDARY P&ID
- H-308 PIPING PLAN AREA 17
- SK-M-2129A STRESS ISOMETRIC
- HBB-218-4 FABRICATION ISOMETRIC
- ISI-HBB-218-4 PRESERVICE INSPECTION ISOMETRIC

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NO.	DATE	NO.	DATE	NO.	DATE
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SEISMIC CLASS 1

BECHTEL SAN FRANCISCO	
LIMERICK GENERATING STATION UNITS 1 & 2 PHILADELPHIA ELECTRIC COMPANY	
ISI ISOMETRIC - REACTOR BUILDING RESIDUAL HEAT REMOVAL LOOP "W" UNIT 2	
REV. NO.	REV. DATE
8031	XI-HBB-218-4
NOT FOR CONSTRUCTION PAGE 1 OF 1	

FOR INFORMATION ONLY



NOTE:
 HANGER HBB-218-H44 VIOLATES (21+21")
 REQUIREMENTS OF P-319-2 FOR ISI OF
 HBB-218-6-3 SW2 & SW2LD. TEMPORARY
 SUPPORT TO CARRY BS37 LBS. IS REQUIRED.

REFERENCE DRAWINGS

- ISI-M-51 ASME SECTION XI BOUNDARY P&ID
- M-388 PIPING PLAN - AREA 17
- SK-M-2128A STRESS ISOMETRIC
- HBB-218-6 FABRICATION ISOMETRIC
- ISI-HBB-218-6 PRESERVICE INSPECTION ISOMETRIC

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SEISMIC CLASS 1

FOR INFORMATION ONLY

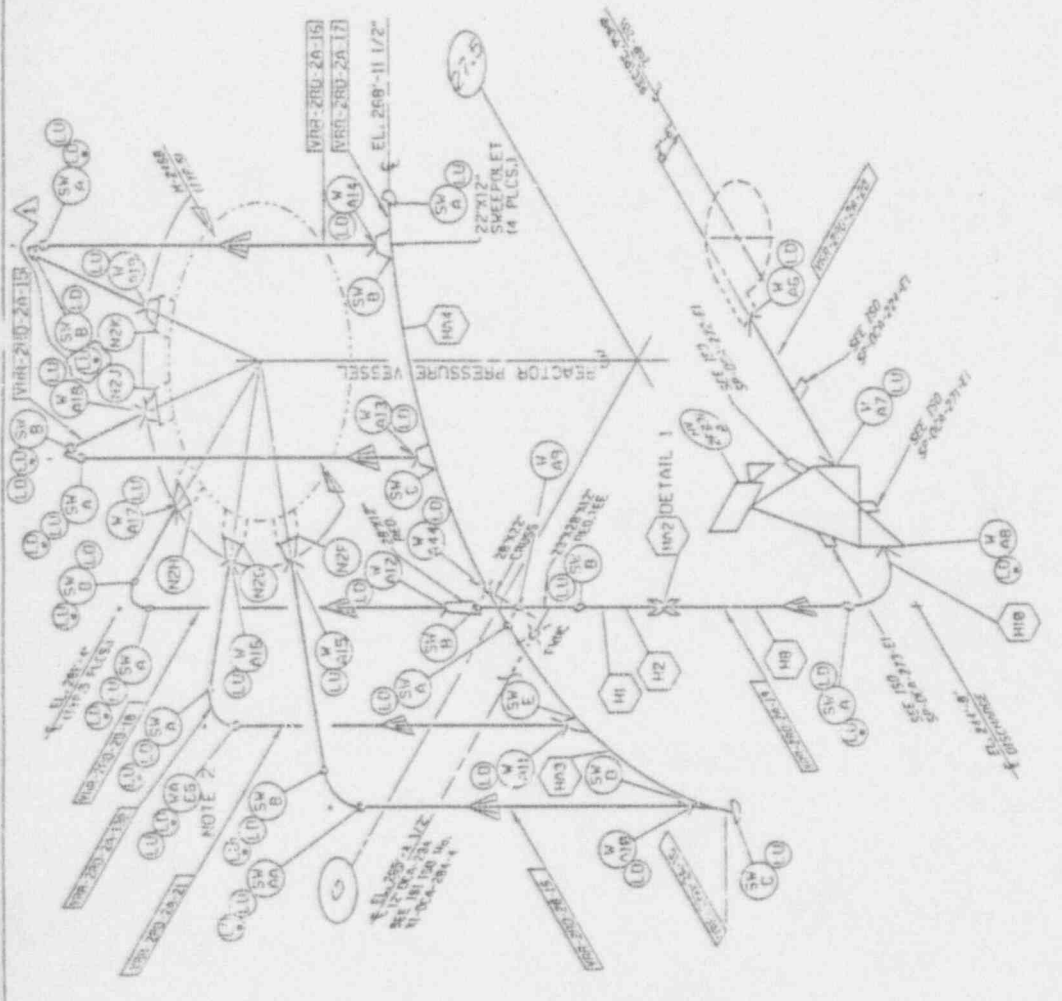
BECHTEL
SAN FRANCISCO

LIMERICK GENERATING STATION
UNITS 1 & 2
PHILADELPHIA ELECTRIC COMPANY

ISI ISOMETRIC - REACTOR BUILDING
RESIDUAL HEAT REMOVAL LOOP "C"
UNIT 2

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SEISMIC CLASS I

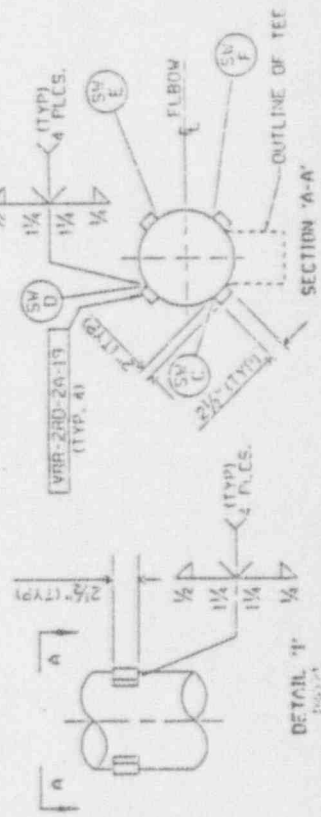
NOTE:
 1) WELDS N2F, N2G, N2H, N2J AND N2K ARE TO BE SUBJECTED TO MECHANICAL STRESS IMPROVEMENT INSPECTION SPECIFICATION 0-371. VISUAL EXAMINATION IS REQUIRED BEFORE AND AFTER PLACEMENT OF NON-DESTRUCTIVE INSPECTION EQUIPMENT SHALL BE FOLLOWED BY LISTED FOLLOWING PROCEDURES. WELDING GRADING IS PERMITTED ON ID: NO REPAIR OF COMPLETED WELD ALLOWED.

REFERENCE DRAWINGS

- 1S1-N1-43 ASME SECTION XI REGULATORY PAID
- M-295 DRYWELL PLAN
- M-296 DRYWELL PLAN
- M-297 DRYWELL PLAN
- M-316 SECTION
- N1-R32-0031-C13 GE DRAWING
- SV-H-2996 STRESS ISOMETRIC
- VRR-290-2A WELD REFERENCE DRAWING
- M-R32-0031-VEHICLE FABRICATION RECORDS
- NO-2-A2
- 2345638 GE DESIGN REPORT
- 1S1-VRR-290-2A PRESERVICE INSPECTION: ISOMETRIC

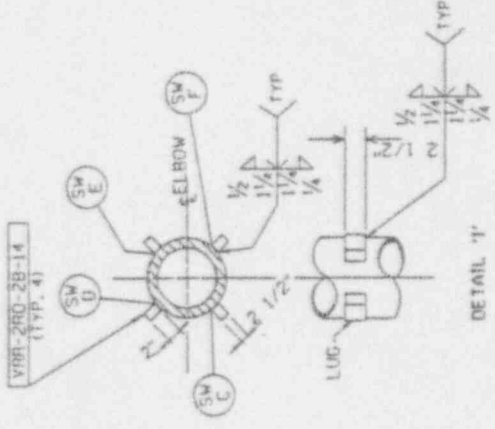
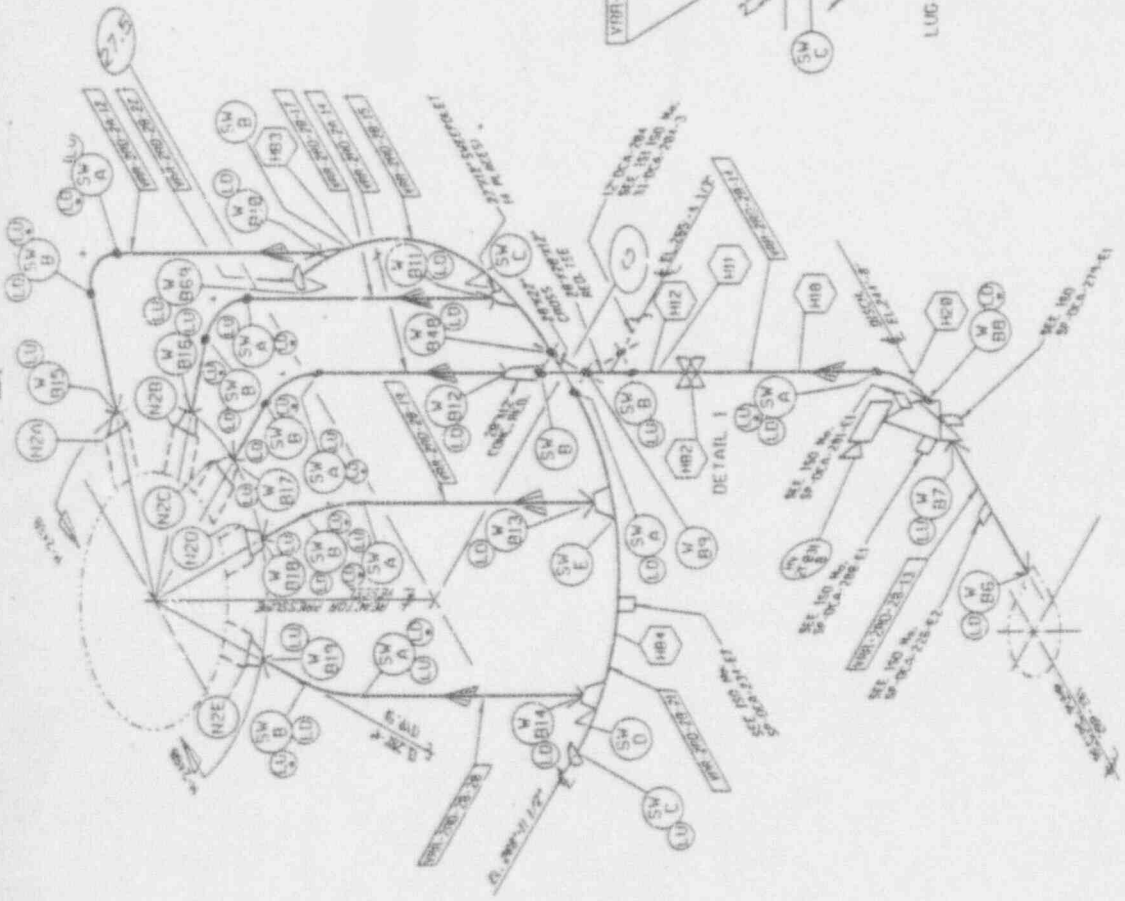
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SAN FRANCISCO	
LIMERICK GENERATING STATION	
UNITS 1 & 2	
PACIFIC ELECTRIC COMPANY	
1S1 ISOMETRIC - REACTOR BUILDING	
REACTOR RECIRC. PUMP DISCHARGE	
LOOP "A" - UNIT 2	
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8031	XI-VRR-290-2A
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DETAIL 1

SECTION A-A



NOTE:
 1) WELDS N2A, N2B, N2C, N2D AND N2E ARE TO BE SUBJECTED TO MECHANICAL STRESS IMPROVEMENT (MSI) PER SPECIFICATION P-371. VISUAL EXAMINATION IS REQUIRED BEFORE AND AFTER PERFORMANCE OF MSI. PRE-SERVICE INSPECTION BASELINE SHALL BE RE-ESTABLISHED FOLLOWING PERFORMANCE OF MSI.

REFERENCE DRAWINGS

- IS1-M-43 ASME SECTION XI CODE, PART 10
- M-275 DRYWELL PLAN
- M-276 DRYWELL PLAN
- M-297 DRYWELL PLAN
- M-812-C-13 GE DRAWING
- SK-M-2995 STRESS ISOMETRIC
- VRR-280-28 WELD/COMPONENT REFERENCE DWG
- M-632- VENDOR DOCUMENTATION FOR LUGS
- GR01-RD-2-B2 REFERENCE
- F00R H42-B246 REFERENCE
- F00R H42-B255 REFERENCE
- 2345539 GE DESIGN REPORT
- IS1-VRR-280-28 PRE-SERVICE INSPECTION ISOMETRIC

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SEISMIC CLASS 1

BECHTEL
 SAN FRANCISCO

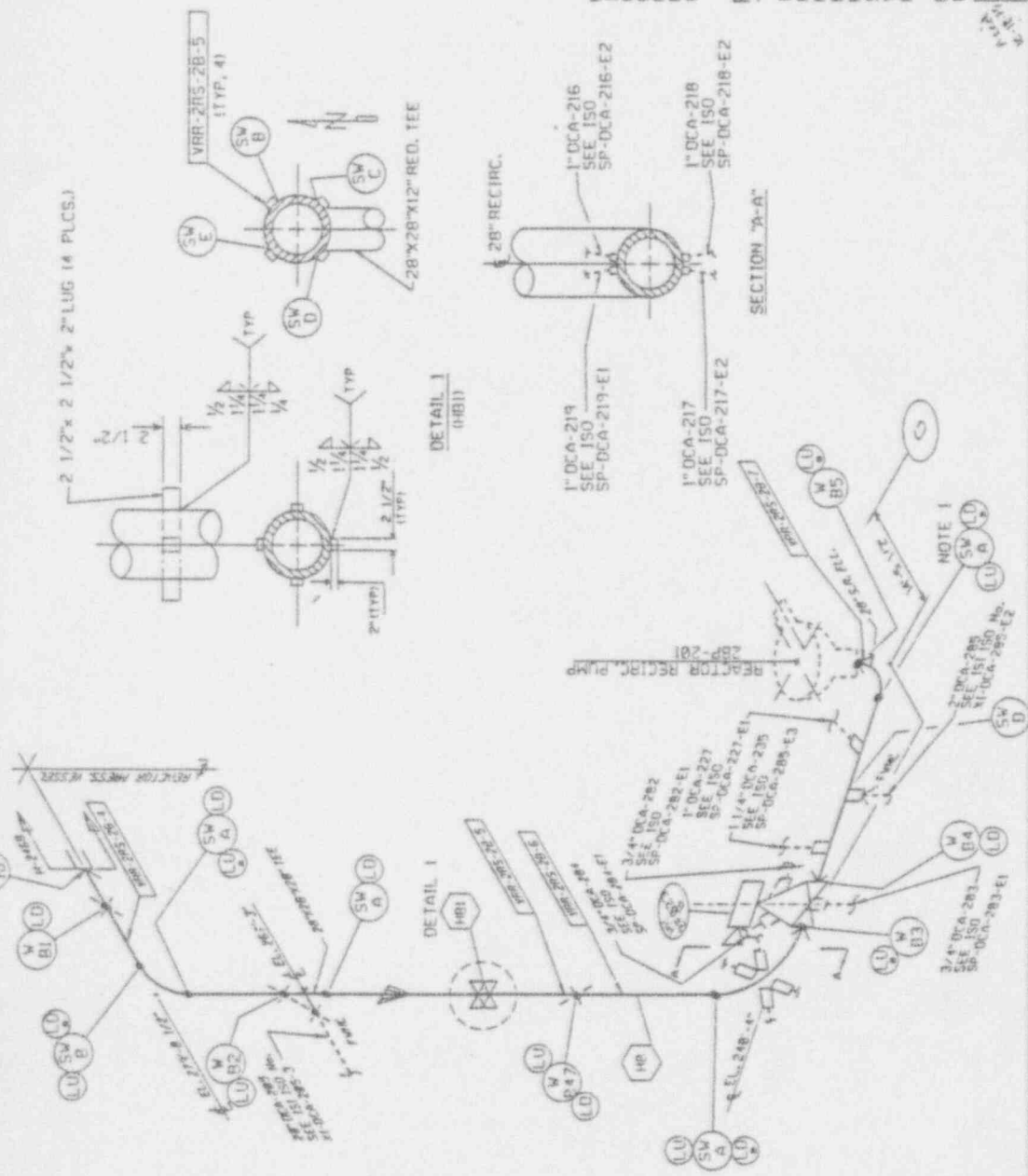
LIMERICK GENERATING STATION
 UNITS 1 & 2
 PHILADELPHIA ELECTRIC COMPANY

IS1 ISOMETRIC - REACTOR BUILDING
 REACTOR RECIRC. PUMP DISCHARGE
 LOOP 'B' UNIT 2

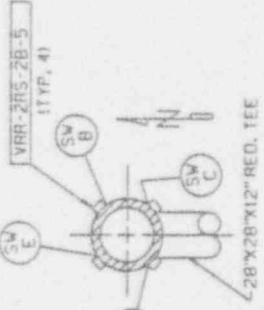
8031 XI-VRR-280-28 0

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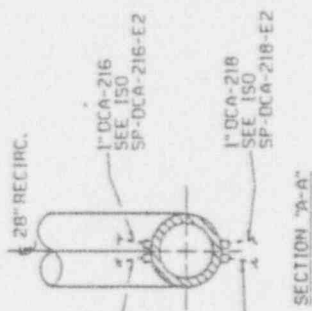
FOR INFORMATION ONLY



2 1/2" x 2 1/2" 2 1/2" 2" LUG (4 PLCS.)



DETAIL I (HBI)



SECTION 'A-A'

DETAIL I (HBI)

SEISMIC CLASS 1

FOR INFORMATION ONLY

NOTE:
 1) HARGER SP-DCA-227-E1 HI VIOLATES
 U27-27 REQUIREMENTS OF P-319-2 FOR ISI
 REMOVABLE, AND NO TEMPORARY SUPPORT IS
 REQUIRED, EDGE OF CLAMP IS 1" FROM
 CENTERLINE OF SWA.

REFERENCE DRAWINGS

- ISI-M-43 ASME SECTION XI BOUNDARY P&ID
- M-295 DRYWELL PLAN
- M-297 DRYWELL PLAN
- M-306 SECTION
- MI-B32-C281-C-13.2 GE DRAWING
- SK-M-2995 STRESS ISOMETRIC
- VRR-295-28 WELD REFERENCE DRAWING
- MI-B32-RS-2-84 WELDER DOCUMENTATION FOR LUGS

FLOOR No. HQ-3642 REFERENCE
 ISI-VRR-285-28 PRE-SERVICE INSPECTION ISOMETRIC

NO.	DATE	REVISION	BY	APP	CHK	DES	DRW
1	5/1/77	ISSUED FOR ISI INSP. INTERVAL					

SCALE: NG-E

BECHTEL
 SAN FRANCISCO

LIMERICK GENERATING STATION
 UNITS 1 & 2
 PUBLIC SERVICE ELECTRIC COMPANY

ISI ISOMETRIC - REACTOR BUILDING
 REACTOR RECIRCULATION PUMP SECTION
 LOOP "B" - UNIT 2

NO.	DATE	REVISION	BY	APP	CHK	DES	DRW
1	5/1/77	ISSUED FOR ISI INSP. INTERVAL					

SCALE: NG-E

PROJECT NO. 8031

UNIT NO. XI-VRR-2RS-2B

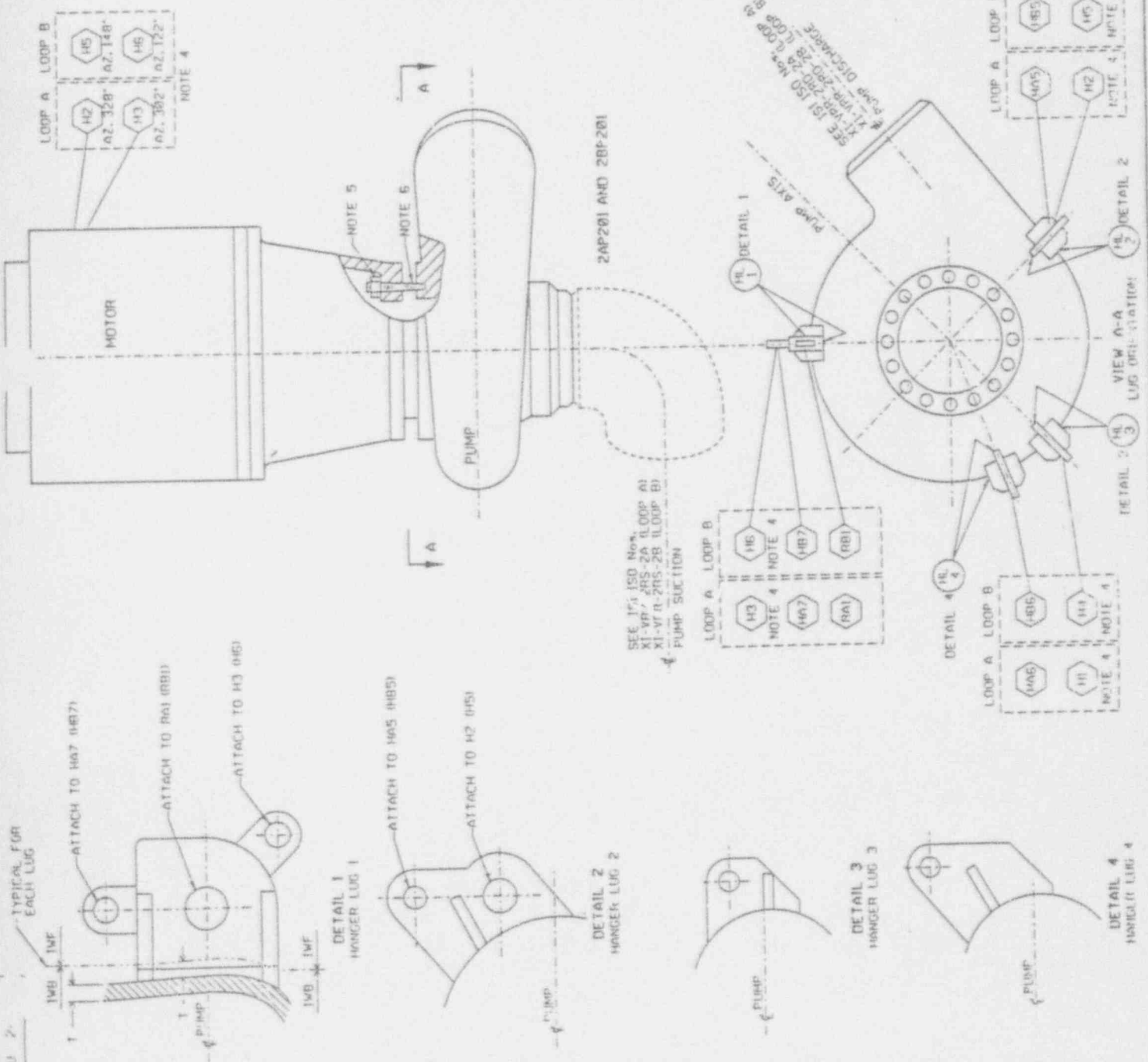
NOT FOR CONSTRUCTION PAGE 1 OF 1

- NOTES:
- PUMPS ARE SEISMIC CLASS I.
 - PUMP LIFTING LUGS (PART Nos. 1-4A, 1-4B AND 1-4C NOT SHOWN) ARE EXEMPT FROM PSI/ISI PER CASE N-343.
 - HEX SYMBOL DENOTES ITEMS SUBJECT TO EXAMINATION PER SUBSECTION IVF.
 - MOTOR SUPPORTS ARE ISSUED AS VRR-2RM-H2 THRU H6 (H5, H11) BECHTEL DRAWINGS. PUMP SUPPORTS H1 THRU H6 (H5, H11) BECHTEL DRAWINGS. REFER TO SPECIFICATION P-505, APPENDIX C FOR CROSS REFERENCE OF BECHTEL SUPPORTS.
 - PART No. 2-18, STUD HUT (CY-BH) IS RECOMMENDED AS SA-194 CL 7 (BARCO-LUBE AND ELECTROFILM GRAPHIC COAT).
 - PART No. 2-16, CASE STUD COVER TO USE CY-BH423 1/2" G. IS REQUIRED TO USE SA-942 G. BR B73 CL 4 (BARCO-LUBE AND ELECTROFILM GRAPHIC COAT).

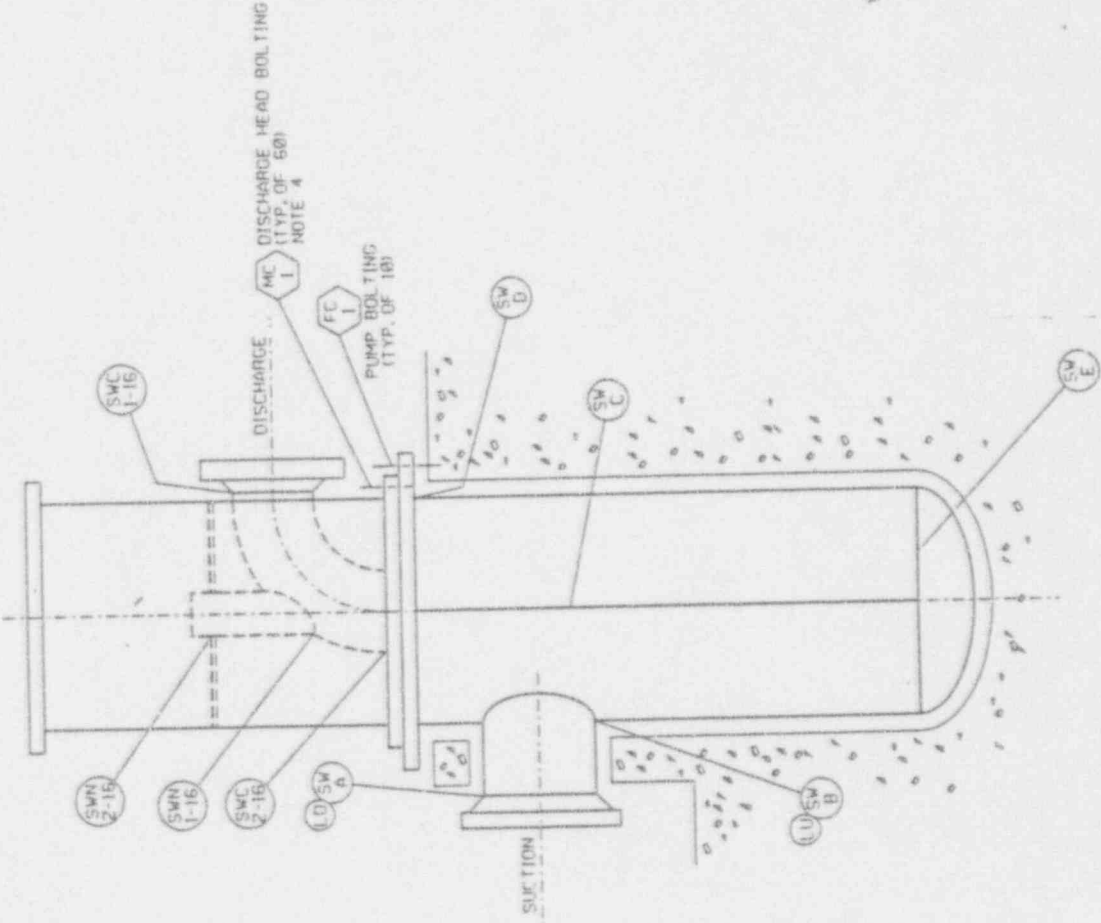
REFERENCE DRAWINGS:

- ISI-N-43 ASME SECTION XI BOUNDARY PAID
- M-B32-C001-CL5 VENDOR DRAWING (2 SHEETS)
- M-B32-C001-BS1 VENDOR DRAWING
- M-B32-C001-X7.1 VENDOR DRAWING
- SK-N-2495 STRESS ISOMETRIC - LOOP 'B'
- SK-N-2496 STRESS ISOMETRIC - LOOP 'A'
- GE 796E B42 VENDOR DRAWING
- ISI-2P-201 PRE-SERVICE INSPECTION DRAWING

ISSUED FOR ISI				PROJECT NO.			
NO.	DATE	BY	CHKD.	NO.	DATE	BY	CHKD.
1				1			
MATERIAL				PROJECT CAD/TP			
BECHTEL SAN FRANCISCO							
LIMERICK GENERATING STATION UNITS 1 & 2 PHILADELPHIA ELECTRIC COMPANY							
ISI EQUIP. DWG. - REACTOR BUILDING RECIRC. PUMPS 2AP201, 2BP201 BOLTING AND ATTACHMENTS - UNIT 2							
PROJECT NO.		8031		UNIT NO.		XI-2P-201	
NOT FOR CONSTRUCTION PAGE 1 OF 1							



FOR INFORMATION ONLY



TYPICAL INSTALLATION
RHR PUMPS
2AP202
2CP202
2CP202

NOTE:
1) LINE CONTINUATIONS:
a) 2AP202: SUCTION - XI-HBB-218-4
DISCHARGE - XI-GBB-201-1
b) 2CP202: SUCTION - XI-HBB-218-5
DISCHARGE - XI-GBB-201-2
c) 2CP202: SUCTION - XI-HBB-218-6
DISCHARGE - XI-GBB-219-1
d) 2CP202: SUCTION - XI-HBB-218-7
DISCHARGE - XI-GBB-219-4
2) PUMPS ARE SEISMIC CLASS 1.
3) HEX DENOTES COMPONENTS SUBJECT TO
VT-3 EXAMINATION PER SUBSECTION 1MF.
REFER TO EXAM PLAN TABLE.
4) REFERENCE FOR ME-1477-N.

REFERENCE DRAWINGS:

- 151-A4-51 ASME SECTION XI BOUNDARY PAID
- MI-E11-C002 INGERSOLL RAND
- F-34APVD 3G1EX1-C
- 151-2P-202 PRESERVICE INSPECTION DRAWING

NO.	DATE	BY	CHKD	APP'D	REV.
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

Scale: 1/4" = 1'-0"

BECHTEL
SAN FRANCISCO

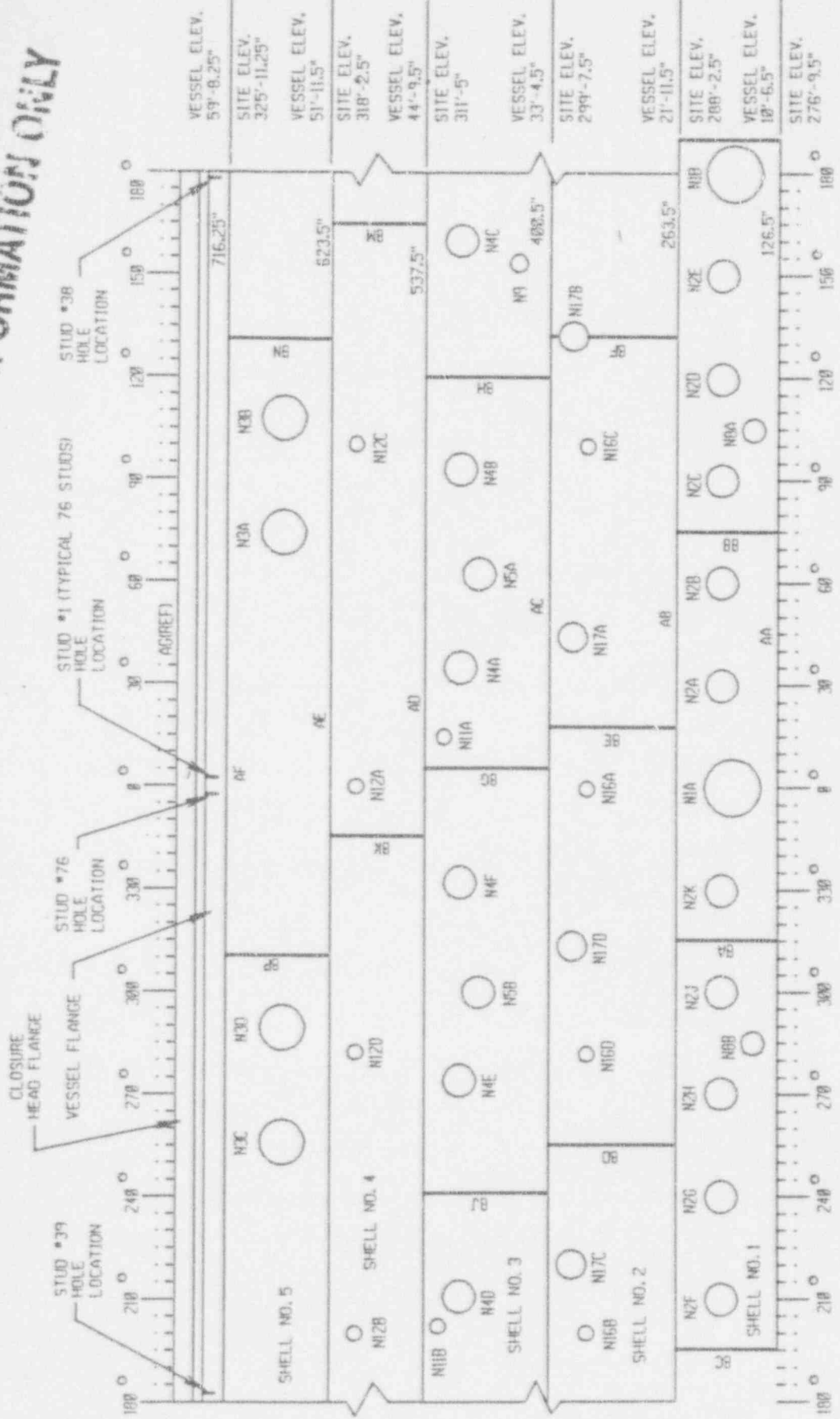
LIMERICK GENERATING STATION
UNITS 1 & 2
PHILADELPHIA ELECTRIC COMPANY

151 EQUIP. DWG. - REACTOR BUILDING
RHR PUMPS 2AP, 2CP & 2DP202
SUPPORTS AND BODY WELDS - UNIT 2

8031 XI-2P-202 0

NOT FOR CONSTRUCTION PAGE 1 OF 1

FOR INFORMATION ONLY



NOTE:
SEE XI-RPV-2 PG. 2 FOR AZIMUTH AND ELEVATION TABLES.
ELEV. 0" (REF)=266'3"
INSIDE VIEW
REACTOR PRESSURE VESSEL

ISI DRAWING - REACTOR BUILDING
WELD IDENTIFICATION (RPV SHELL)
UNIT 2

REV	NO	DATE	BY	CHKD	ISSUED FOR	DATE
1	1	10/1/68	W. J. SAH	EC	INSPECTION INTERVAL	10/1/68
JOB NO	8031	UNIT NO	XI-RPV-2	REV	0	

PHILADELPHIA ELECTRIC COMPANY LGS UNITS 1 & 2 NOT FOR CONSTRUCTION PAGE 1 OF 4

VERTICAL WELD LOCATION

NO.	AZIMUTH	SHELL COURSE	VESSEL ELEVATION TO VESSEL ELEVATION
BA	317 °30'	1	10'-6.5" TO 21'-11.5"
BB	77 °30'	1	10'-6.5" TO 21'-11.5"
BC	197 °30'	1	10'-6.5" TO 21'-11.5"
BD	255 °	2	21'-11.5" TO 33'-4.5"
BE	15 °	2	21'-11.5" TO 33'-4.5"
BF	135 °	2	21'-11.5" TO 33'-4.5"
BG	0 °	3	33'-4.5" TO 44'-9.5"
BH	120 °	3	33'-4.5" TO 44'-9.5"
BI	240 °	3	33'-4.5" TO 44'-9.5"
BK	345 °	4	44'-9.5" TO 51'-11.5"
BL	165 °	4	44'-9.5" TO 51'-11.5"
BN	130 °	5	51'-11.5" TO 59'-8.25"
BP	310 °	5	51'-11.5" TO 59'-8.25"

CIRCUMFERENTIAL WELD LOCATION

NO.	SITE ELEV.	VESSEL ELEV.
AA	276'-9.5"	10'-6.5"
AB	280'-2.5"	21'-11.5"
AC	299'-7.5"	33'-4.5"
AD	311'-0.5"	44'-9.5"
AE	318'-2.5"	51'-11.5"
AF	325'-11.25"	59'-8.25"
VESSEL FLANGE	328.4 (REF)	62 (REF)

NOZZLE LOCATION

NOZZLE	VESSEL ELEVATION	AZIMUTH	DESCRIPTION
N1A	13'-5.5"	0 °	RECIRCULATION OUTLET
N1B	13'-5.5"	180 °	RECIRCULATION OUTLET
N2A	15'-1"	30 °	RECIRCULATION INLET
N2B	15'-1"	60 °	RECIRCULATION INLET
N2C	15'-1"	90 °	RECIRCULATION INLET
N2D	15'-1"	120 °	RECIRCULATION INLET
N2E	15'-1"	150 °	RECIRCULATION INLET
N2F	15'-1"	210 °	RECIRCULATION INLET
N2G	15'-1"	240 °	RECIRCULATION INLET
N2H	15'-1"	270 °	RECIRCULATION INLET
N2J	15'-1"	300 °	RECIRCULATION INLET
N2K	15'-1"	330 °	RECIRCULATION INLET
N3A	54'-10.5"	72 °	MAIN STEAM
N3B	54'-10.5"	108 °	MAIN STEAM
N3C	54'-10.5"	252 °	MAIN STEAM
N3D	54'-10.5"	288 °	MAIN STEAM
N4A	41'-6.5"	30 °	FEEDWATER
N4B	41'-6.5"	90 °	FEEDWATER
N4C	41'-6.5"	150 °	FEEDWATER
N4D	41'-6.5"	210 °	FEEDWATER
N4E	41'-6.5"	270 °	FEEDWATER
N4F	41'-6.5"	330 °	FEEDWATER
N5A	40'-4.5"	60 °	CORE SPRAY
N5B	40'-4.5"	300 °	CORE SPRAY
N6A	12'-8"	105 °	JET PUMP INSTRUMENTATION
N6B	12'-8"	285 °	JET PUMP INSTRUMENTATION
N9	37'-4.5"	145 °	CONTROL ROD DRIVE
N17A	31'-0.5"	45 °	LOW PRESSURE COOLING INJ.
N17B	31'-0.5"	135 °	LOW PRESSURE COOLING INJ.
N17C	31'-0.5"	225 °	LOW PRESSURE COOLING INJ.
N17D	31'-0.5"	315 °	LOW PRESSURE COOLING INJ.

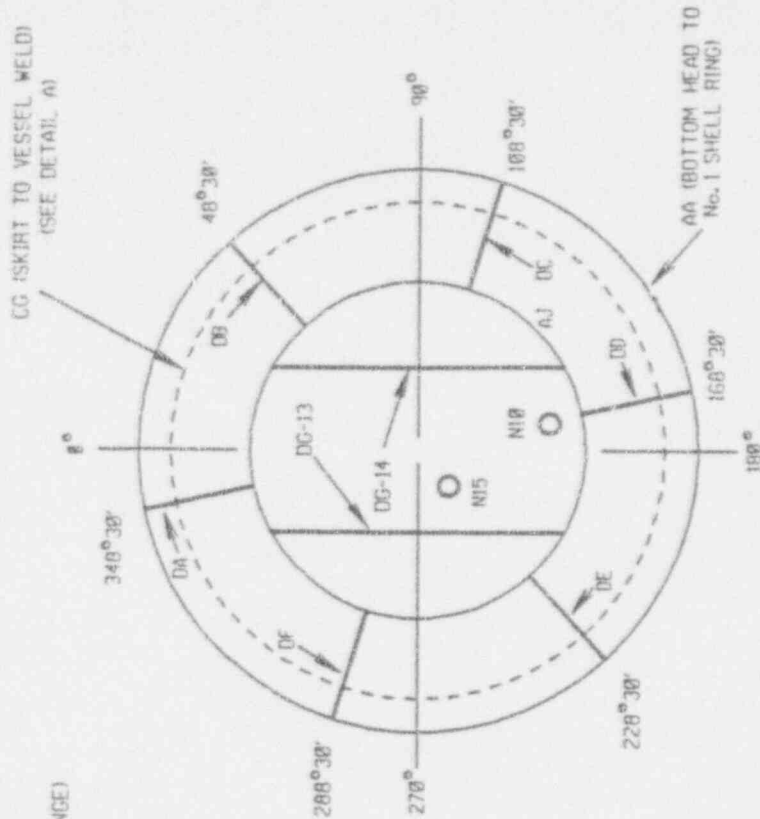
FOR INFORMATION ONLY

REV 10-4-89

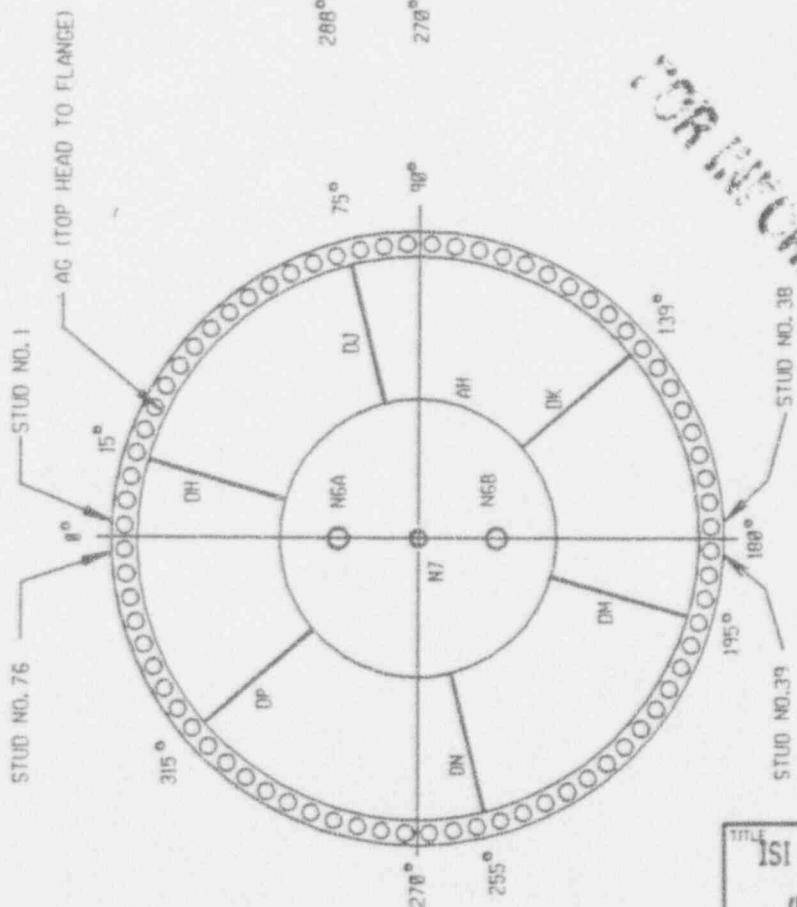
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TITLE
ISI DRAWING - REACTOR BUILDING
WELD IDENTIFICATION (RPV SHELL)
UNIT 2

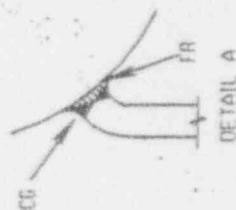
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PLAN VIEW
INSIDE BOTTOM HEAD ASSEMBLY



PLAN VIEW
OUTSIDE TOP HEAD ASSEMBLY



FOR INFORMATION ONLY

TITLE
ISI DRAWING - REACTOR BUILDING
WELD IDENTIFICATION
(RPV TOP AND BOTTOM HEAD)
UNIT 2

REV	DATE	ISSUED FOR 1ST INSP. INTERVAL.	BY	CHKD	ISI ENG	GROUP SLP	PRD/ENG	RECD APPR	JOB NO	DWG NO	REV
	10/5/69		PBT	TPY	RC	PL	EDM	RSE	8031	XI-RPV-2	0

Rec'd
10-11-69

0504627004 E INCI 03 1202

MERIDIAN WELD LOCATIONS
TOP AND BOTTOM HEAD

WELD	AZIMUTH	DESCRIPTION
DA	348° 30'	BOTTOM HEAD
DB	48° 30'	BOTTOM HEAD
DC	180° 30'	BOTTOM HEAD
DD	168° 30'	BOTTOM HEAD
DE	228° 30'	BOTTOM HEAD
DF	288° 30'	BOTTOM HEAD
DG-13	0° - 180°	BOTTOM HEAD
DG-14	0° - 180°	BOTTOM HEAD
DH	15°	TOP HEAD
DJ	75°	TOP HEAD
DK	135°	TOP HEAD
DL	195°	TOP HEAD
DM	255°	TOP HEAD
DN	315°	TOP HEAD

TOP HEAD

NOZZLE	ELEV.	AZIMUTH	DESCRIPTION
N6A	TOP HEAD	359° 59'	HEAD SPRAY
N6B	TOP HEAD	180° 25'	SPARE
N7	TOP HEAD	TDC	VENT

CIRCUMFERENTIAL WELD LOCATION
TOP AND BOTTOM HEAD

NO.	SITE ELEV.	VESSEL ELEV.	DESCRIPTION
FR/CG	272'-3.5"	6'-0.5"	SKIRT-TO-VESSEL BOTTOM HEAD
AJ	270'	3'-9"	BOTTOM HEAD DOLLAR PLATE
AG (HEAD FLANGE)	330'-11.5"	64'-8.5"	TOP HEAD SIDE PLATE TO FLANGE
AH	336'-4"	70'-1"	TOP HEAD DOLLAR PLATE
BOTTOM HEAD INSIDE SURFACE	266'-3"	0'-0"	

INSTRUMENT NOZZLE LOCATIONS
RPV SHELL AND BOTTOM HEAD

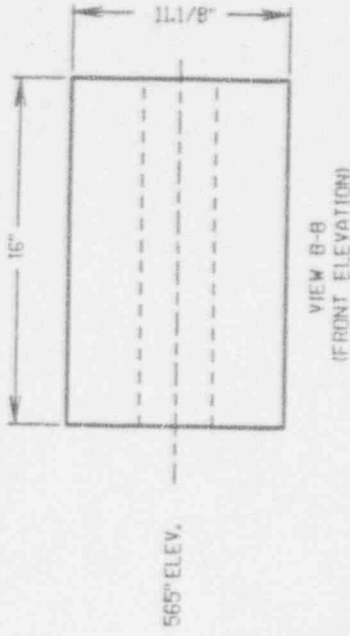
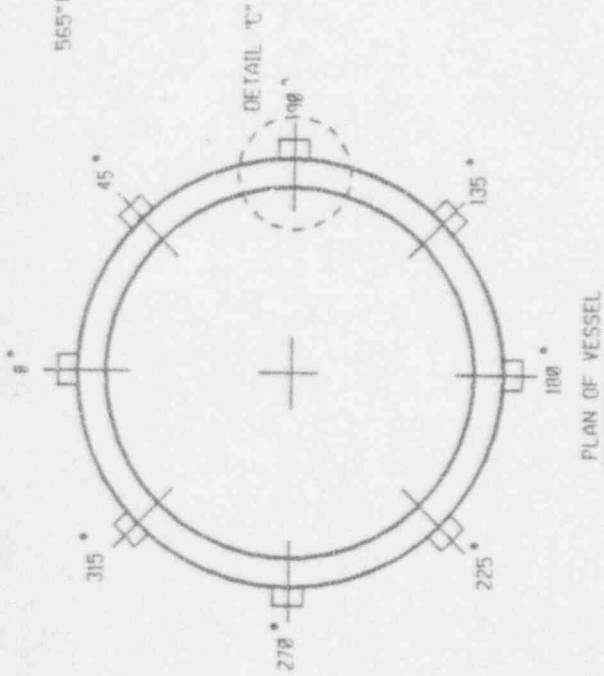
NOZZLE	AZIMUTH	DESCRIPTION
N10	176° 11'	CORE DP/SLC
N11A	10° 5'	INSTRUMENTATION
N11B	200° 11'	INSTRUMENTATION
N12A	0° 7'	INSTRUMENTATION
N12B	200° 13'	INSTRUMENTATION
N12C	99° 54'	INSTRUMENTATION
N12D	200° 15'	INSTRUMENTATION
N15	225°	RPV DRAIN
N16A	359° 58'	INSTRUMENTATION
N16B	200° 13'	INSTRUMENTATION
N16C	99° 59'	INSTRUMENTATION
N16D	279° 59'	INSTRUMENTATION

FOR INFORMATION ONLY

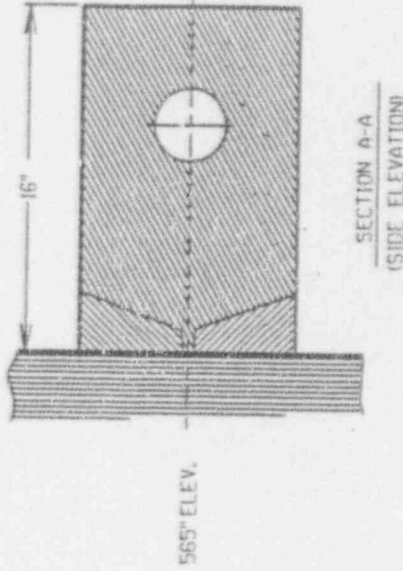
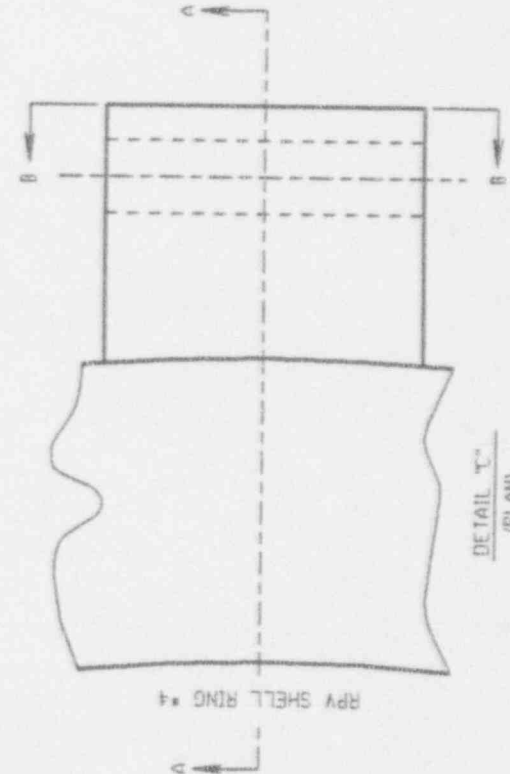
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ISI DRAWING - REACTOR BUILDING
WELD IDENTIFICATION
(RPV TOP AND BOTTOM HEAD)
UNIT 2

REV	DATE	ISSUED FOR 1ST INSP. INTERVAL.	BY	CHKD	DESIGN	GROUP	PROJ. NO.	PECC	JOB NO.	DWG NO.	REV
	10/5/89		RC	RC	RC	RC	8031	RC	8031	XI-RPV-2	0
PHILADELPHIA ELECTRIC COMPANY LGS UNITS 1 & 2						NOT FOR CONSTRUCTION			PAGE 4 OF 4		

565° RPV ELEVATION AT 0°, 45°, 90°, 135°, 180°, 225°, 270°, 315° AZ



FOR INFORMATION ONLY

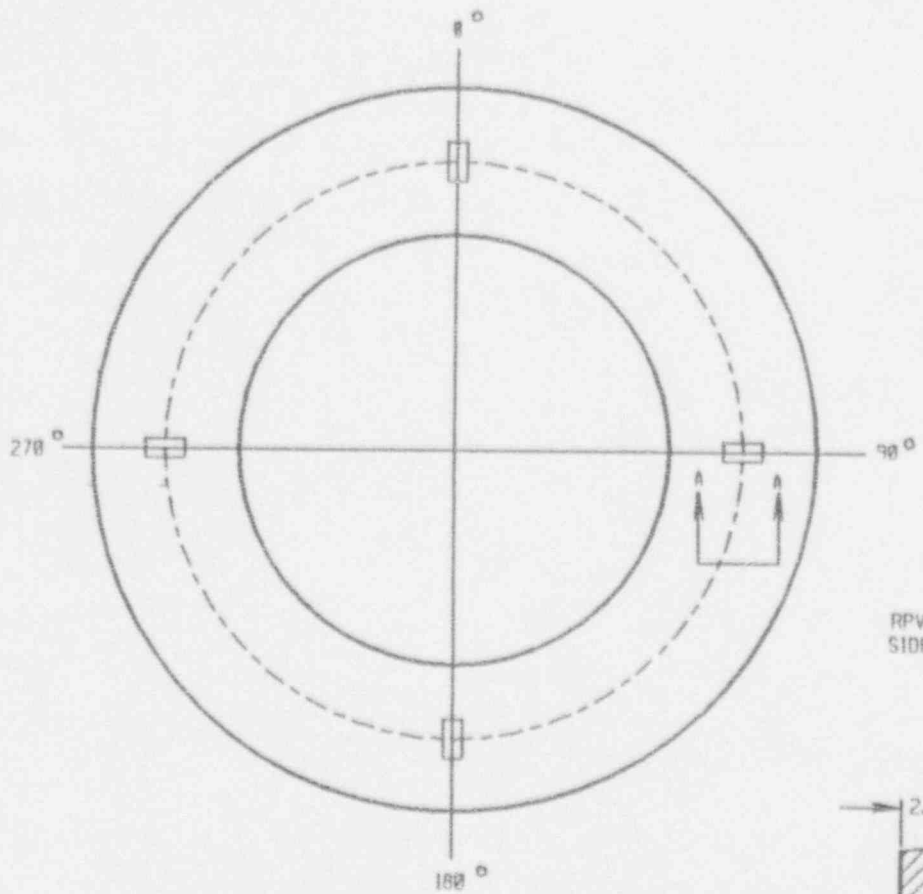


TITLE	ISI DRAWING - REACTOR BUILDING RPV STABILIZER BRACKETS
JOB NO.	8031
REV. NO.	XI-BH-3
SCALE	Ø

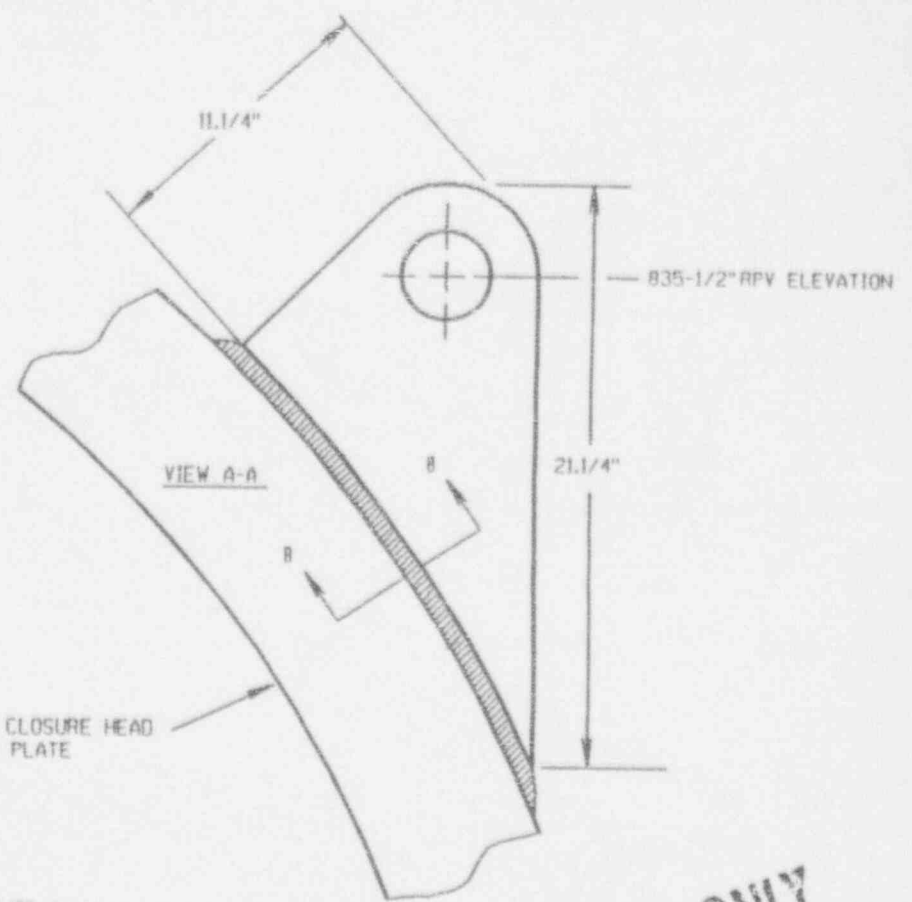
REV.	DATE	BY	CHKD.	1ST ENG.	GROUP	DATE	PROJ. ENG.	REC'D.
10-11-67	10/11/67	LMH	PC	PC	PLA	10/11/67	PC	PC

REF DWG: 8031-M-1-B11-A001-C-84

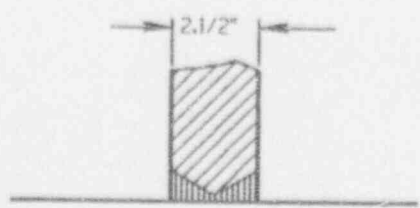
PHILADELPHIA ELECTRIC COMPANY LGS UNITS 1 & 2 NOT FOR CONSTRUCTION PAGE 1 OF 1



PLAN VIEW OF CLOSURE HEAD



RPV CLOSURE HEAD SIDE PLATE

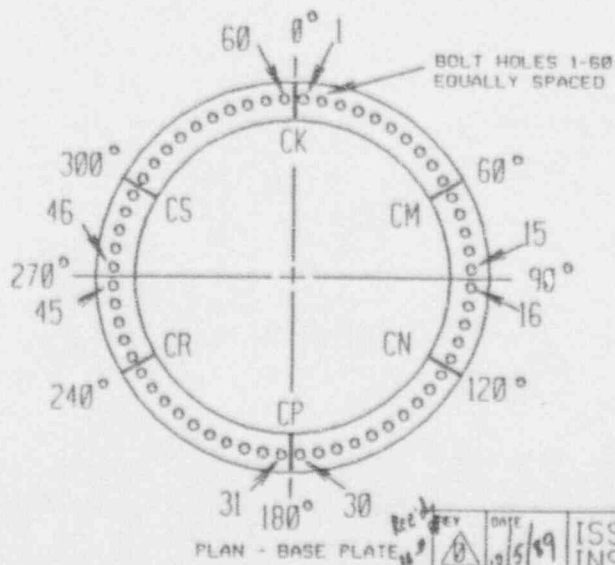
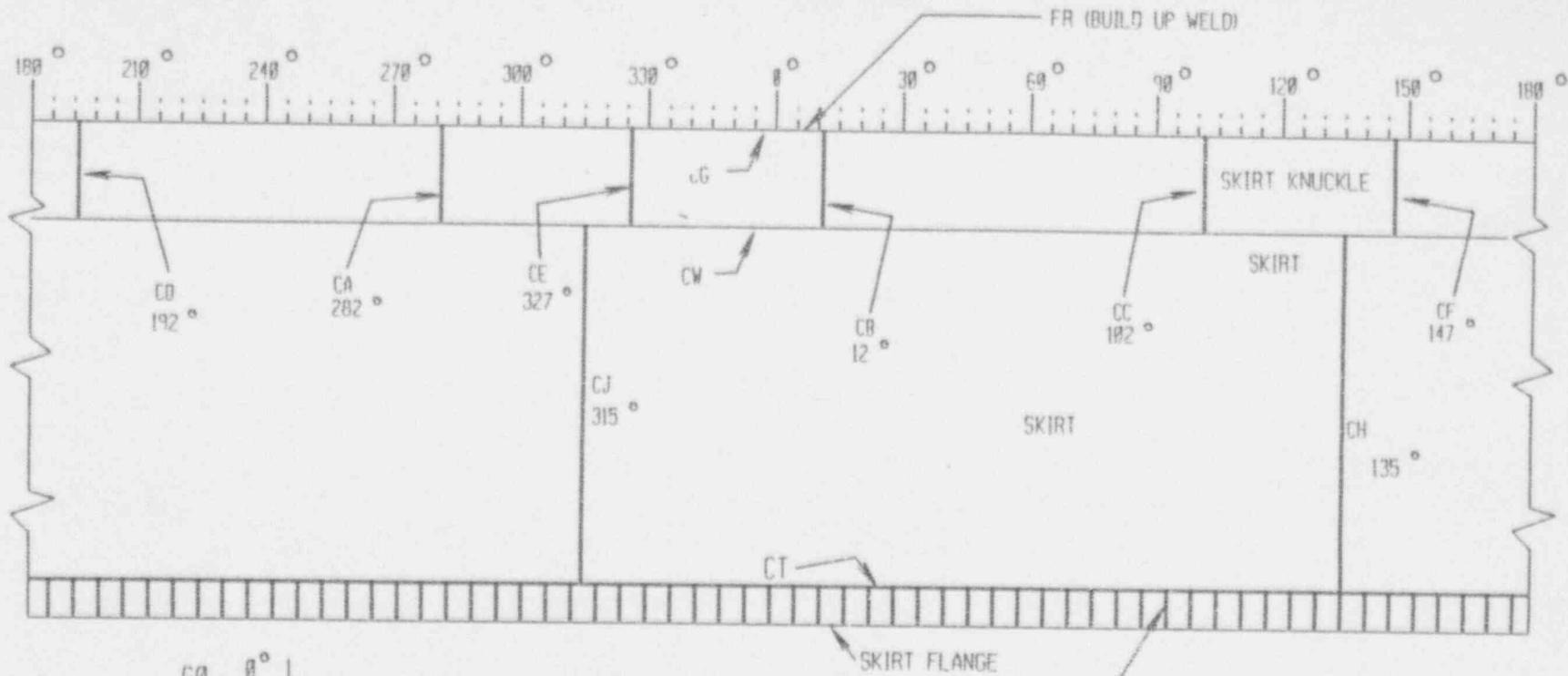


SECTION B-B

FOR INFORMATION ONLY

REF: DWG. 8031-M-1-B11-A001-C-27

REV	DATE	ISSUED FOR 1ST INSP. INTERVAL.	BY	ORD	ISI ENO	GROUP	SLIP	PROJ	NO	PECO	APPR	TITLE	DWG NO	REV
10-11-87	10/5/89		LMH									ISI DRAWING - REACTOR BUILDING CLOSURE HEAD LIFTING LUGS	8031	0
PHILADELPHIA ELECTRIC COMPANY LGS UNITS 1 & 2												NOT FOR CONSTRUCTION	PAGE 1 OF 1	



FOR INFORMATION ONLY

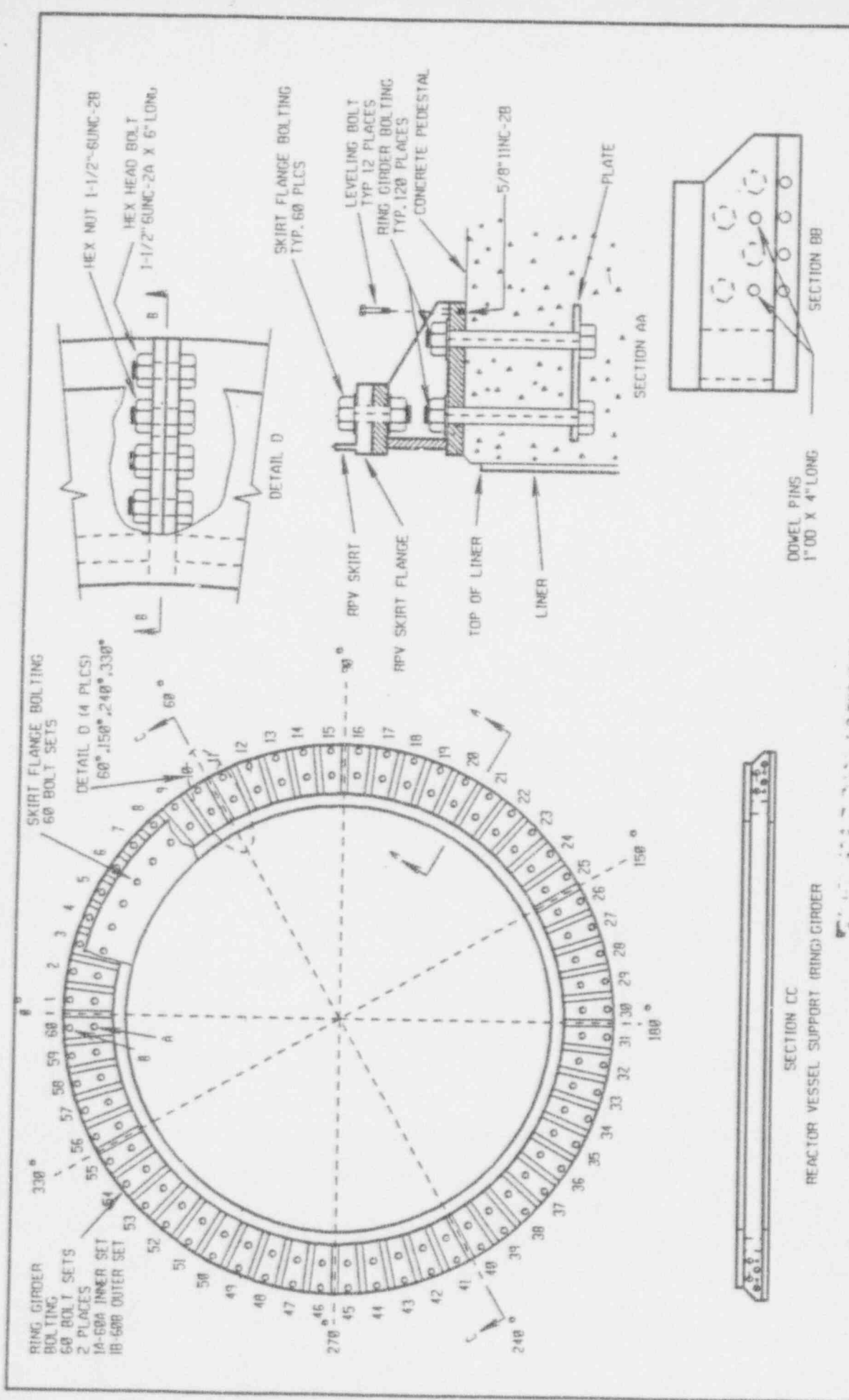
TITLE			
1ST DRAWING - REACTOR BUILDING INSIDE VIEW SKIRT KNUCKLE, SKIRT AND BASE PLATE - UNIT 2			
JOB NO.	ENG NO.	REV	
8031	XI-FA-1	0	

DATE	ISSUED FOR 1ST INSP. INTERVAL.	BY	CHKD	1ST ENG	GRKUP SLP	PROV ENG	PECC APPR
10/5/69		PST	RC	RC	FLG	SPR BPM	RCF

PHILADELPHIA ELECTRIC COMPANY LGS UNITS 1 & 2

NOT FOR CONSTRUCTION

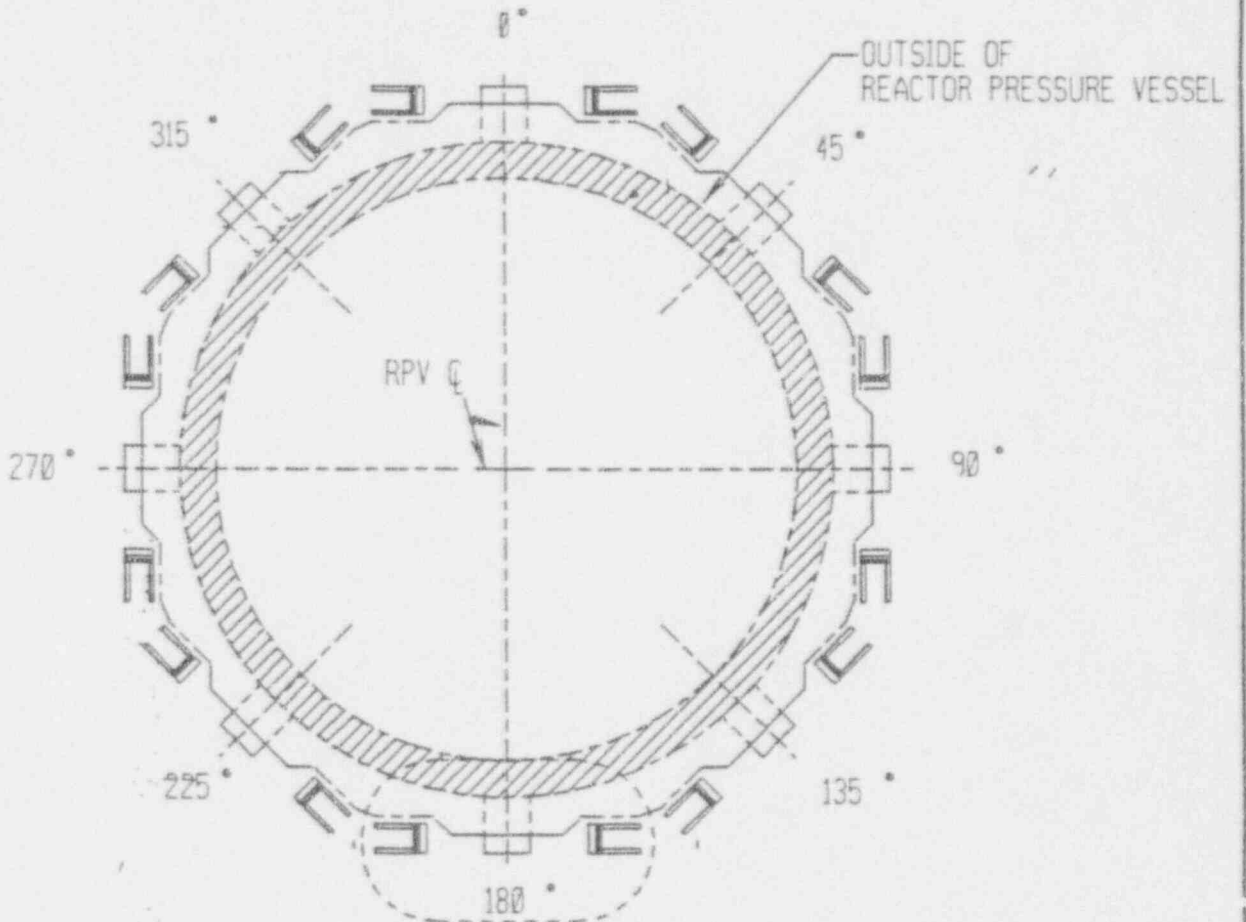
PAGE 2 OF 3



REF DWG:
 MI-B11-U001-C-3.1
 MI-B11-U001-C-2.2

FOR INFORMATION ONLY

DATE	ISSUED FOR 1ST INSP. INTERVAL.	BY	DESIGN	ISI ENG	GROUP	SCALE	PROJ. NO.	REC'D OFFICE	
10/5/67		RC	RC					RC	
REV	NO	DESCRIPTION	DATE	BY	NO	NO	NO	NO	
0									
PHILADELPHIA ELECTRIC COMPANY LGS UNITS 1 & 2								NOT FOR CONSTRUCTION	PAGE 3 OF 3



DETAIL "A"
TYPICAL 8 PLACES

REF DWG:
8031-M-1-B11-U002-C-1.6

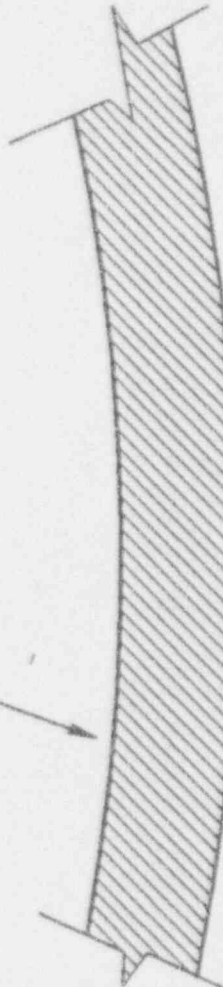
FOR INFORMATION ONLY

TITLE
ISI DRAWING - REACTOR BUILDING
STABILIZER BRACKETS

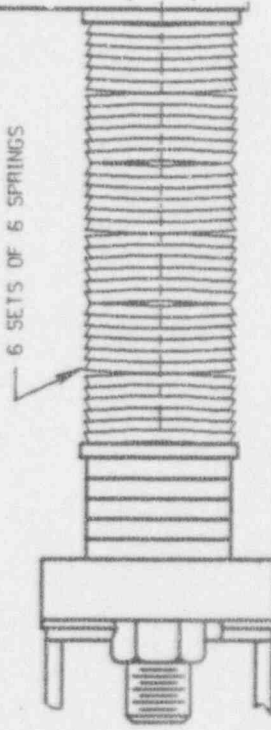
Rec'd
10-11-89

REV	DATE	ISSUED FOR 1ST INSP. INTERVAL.	BY PS1	CHKD P. 2/28/89	TEST ENG RC	GROUP SUP GAL	PROG ENG L	PECC APPR RF	JOB NO 8031	DWG NO X1-FA-2	REV 0
PHILADELPHIA ELECTRIC COMPANY LGS UNITS 1 & 2									NOT FOR CONSTRUCTION		PAGE 1 OF 3

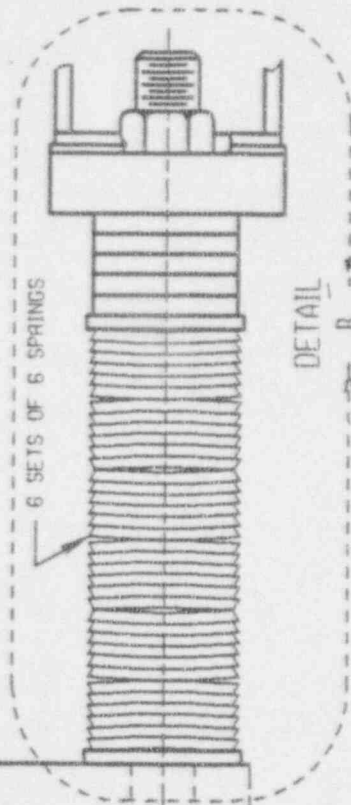
REACTOR PRESSURE VESSEL



6 SETS OF 6 SPRINGS



6 SETS OF 6 SPRINGS



DETAIL

B-B

TYP 16 PLACES

FOR INFORMATION ONLY

REF DWG: 8031-M-1-811-U002-C-1.6

ISI DRAWING - REACTOR BUILDING
STABILIZER DETAIL A

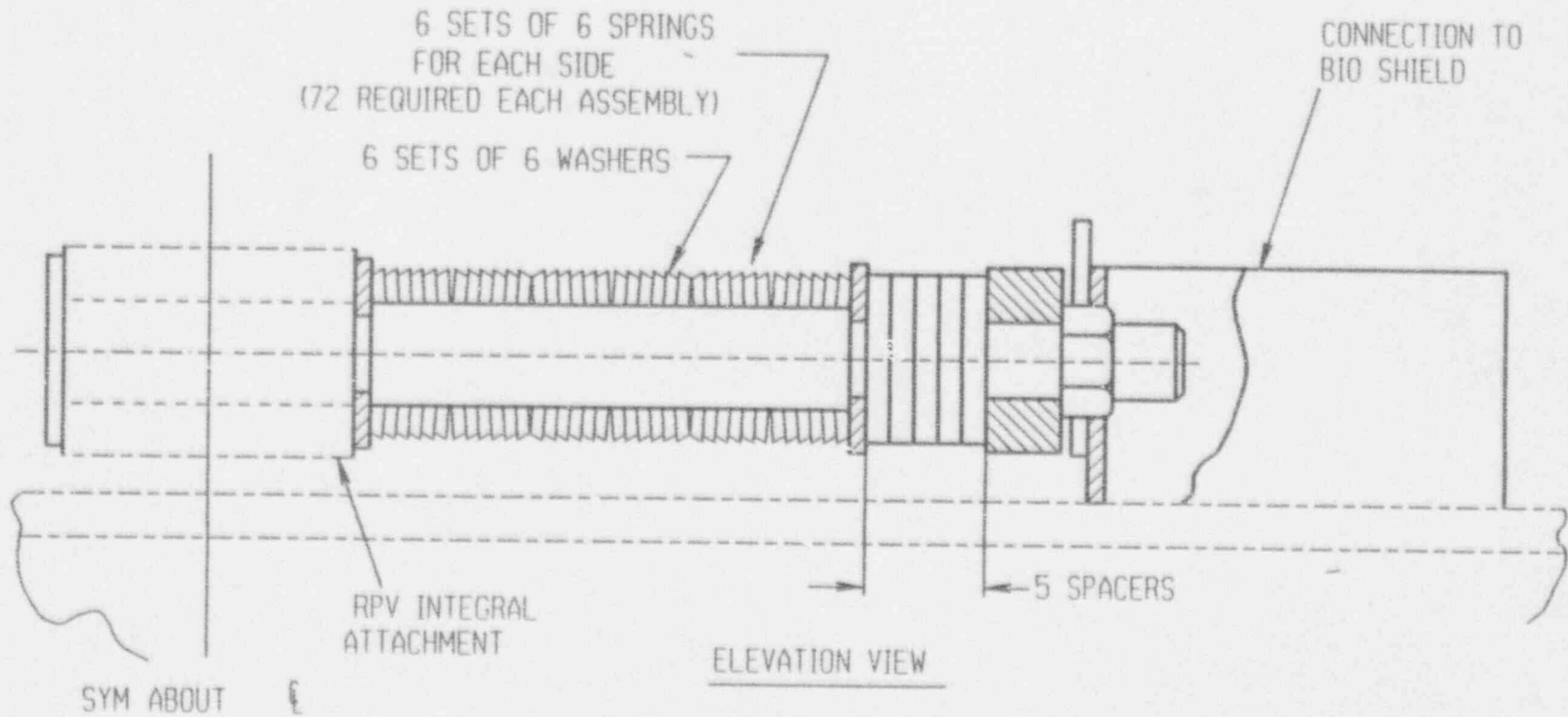
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1	10/1/69		RSF	RSF	PC				8031	XI-FA-2
										0

PHILADELPHIA ELECTRIC COMPANY LGS UNITS 1 & 2

NOT FOR CONSTRUCTION

PAGE 2 OF 3

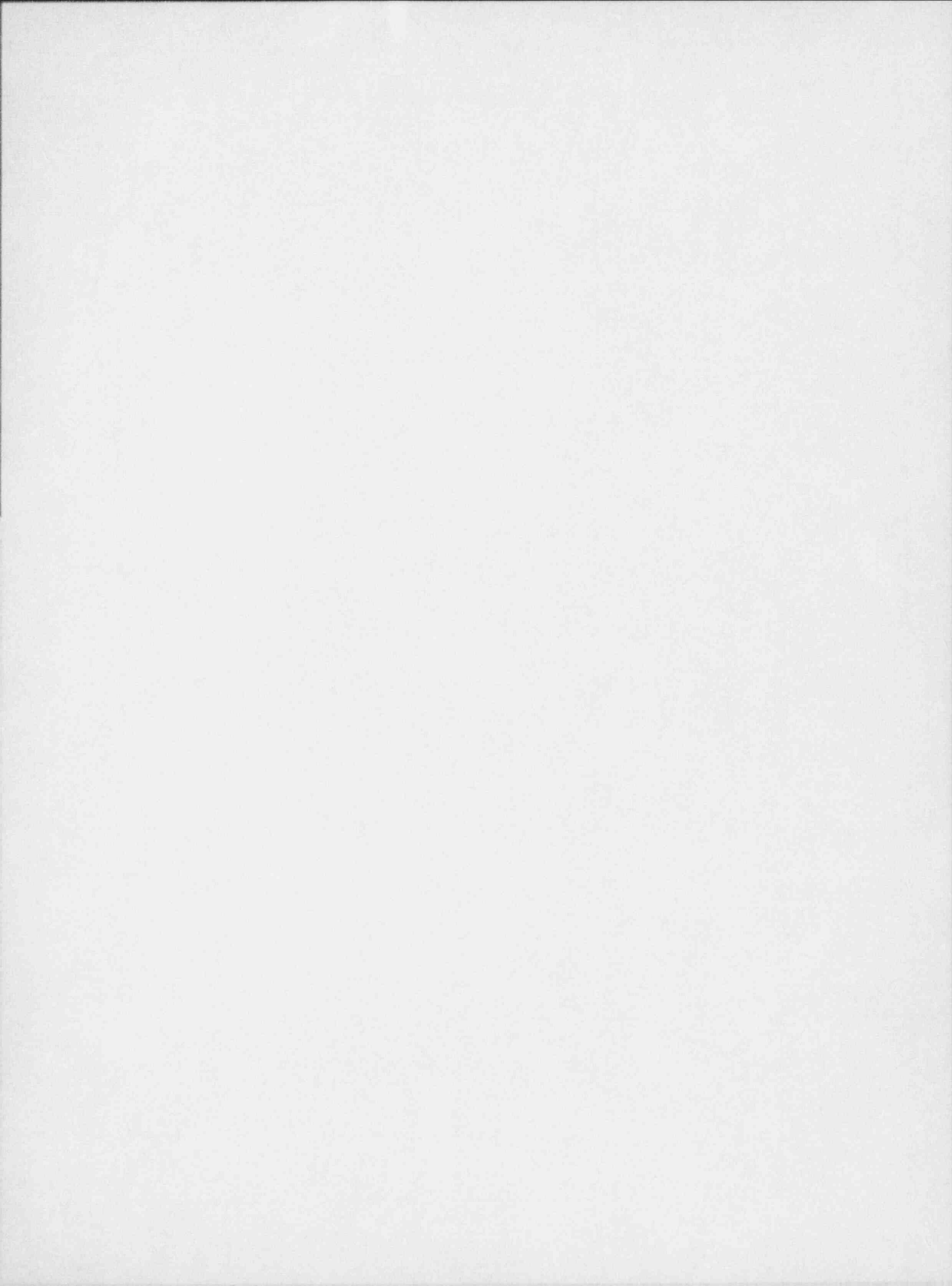
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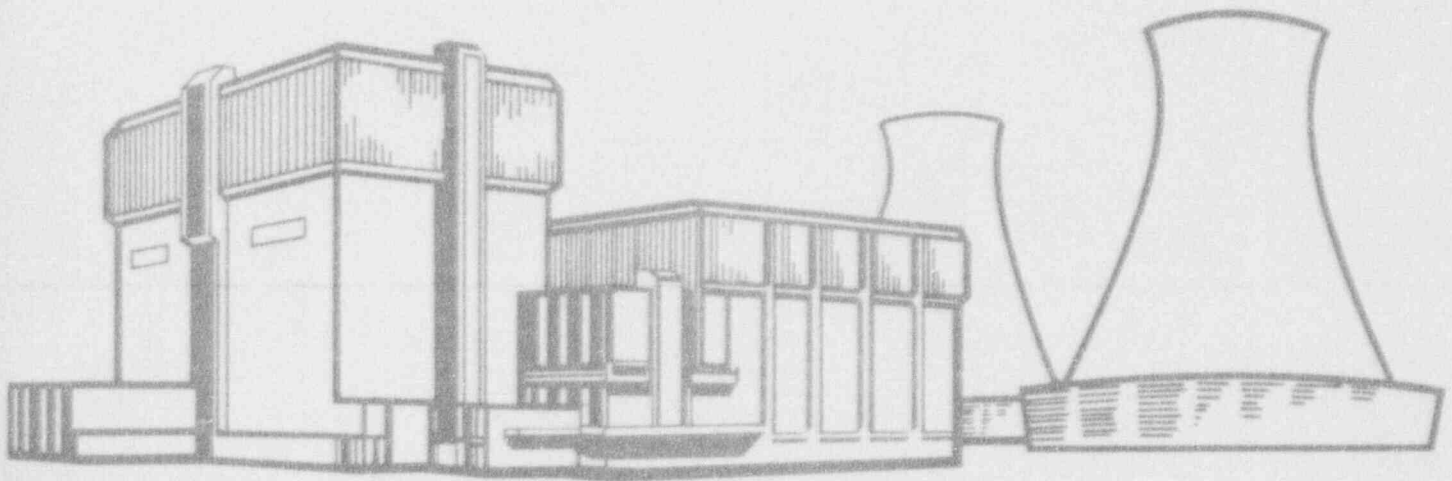


REF. DWG. 8031-M-1-B11-U002-C-1.6

TITLE
ISI DRAWING - REACTOR BUILDING
STABILIZER DETAIL B

REV	DATE	ISSUED FOR 1ST INSP. INTERVAL.	BY	CHKD	ISI ENG	DRG'G SLP	PRO. ENG	PECCO APPR	JOB NO	DWG NO	REV
01	10/31/89		PSY	RC	RC	ALD	BDM	RSE	8031	XI-FA-2	0
PHILADELPHIA ELECTRIC COMPANY LGS UNITS 1 & 2									NOT FOR CONSTRUCTION		PAGE 3 OF 3





**LIMERICK
GENERATING
STATION**

LIMERICK GENERATING STATION
UNIT 2
SUMMARY REPORT
FOR THE
JUNE 6, 1991 TO MARCH 16, 1993
PERIODIC INSERVICE INSPECTION

REPORT Nº 2

BOOK 2 OF 2

LIMERICK GENERATING STATION
UNIT 2
SUMMARY REPORT
FOR THE
JUNE 6, 1991 TO MARCH 16, 1993
PERIODIC INSERVICE INSPECTION

REPORT Nº 2

ATTACHMENT 3

SUMMARY OF ASME SECTION XI
REPAIRS AND REPLACEMENTS

SUMMARY OF ASME SECTION XI REPAIRS AND REPLACEMENTS

<u>NIS-2 N^o</u>	<u>DESCRIPTION OF WORK</u>
System 001:	Main Steam
L2-92-009	Replaced commercial steel leakoff plug with ASME material and seal weld on valve HV-001-250.
L2-92-021	Replaced clamp studs and nuts on support EBB-203-H26.
System 011:	Emergency Service Water
L2-91-177	Replaced 2" check valve 011-0063 and 2-way restraint.
L2-91-178	Replaced commercial steel leakoff plug with ASME material and seal weld on valve HV-011-221.
L2-91-186	Replaced wedge guides in valve HV-011-223.
L2-92-012	Replaced section of ESW piping to RHR pump 2B-P202.
L2-92-077	Replaced wedge guides in valve HV-011-047.
L2-92-091	Replaced wedge guides in valve HV-011-077.
L2-92-110	Replaced commercial steel leakoff plug with ASME material and seal weld on valve HV-011-225.
L2-92-122	Replaced section of ESW piping and 2-way restraint on line HBC-239.
L2-93-009	Replaced wedge guides in valve HV-011-226.
System 041:	Nuclear Boiler
L2-92-045	Installed replacement PSV-041-2F013A. Main body replaced per MOD No. 6101-2. Certified set pressure/seat tightness.
L2-092-046	Installed replacement PSV-041-2F013B. Main body replaced per MOD No. 6101-2. Certified set pressure/seat tightness.

<u>NIS-2 N^o</u>	<u>DESCRIPTION OF WORK</u>
System 041:	Nuclear Boiler (continued)
L2-92-047	Installed replacement PSV-041-2F013C. Main body replaced per MOD No. 6101-2. Certified set pressure/seat tightness.
L2-92-048	Installed replacement PSV-041-2F013D. Main body replaced per MOD No. 6101-2. Certified set pressure/seat tightness.
L2-92-049	Installed replacement PSV-041-2F013E. Main body replaced per MOD No. 6101-2. Certified set pressure/seat tightness.
L2-92-050	Installed replacement PSV-041-2F013F. Main body replaced per MOD No. 6101-2. Certified set pressure/seat tightness.
L2-92-051	Installed replacement PSV-041-2F013G. Main body replaced per MOD No. 6101-2. Certified set pressure/seat tightness.
L2-92-024	Installed replacement PSV-041-2F013H. Certified set pressure/seat tightness.
L2-92-052	Installed replacement PSV-041-2F013J. Main body replaced per MOD No. 6101-2. Certified set pressure/seat tightness.
L2-92-053	Installed replacement PSV-041-2F013K. Certified set pressure/seat tightness.
L2-92-054	Installed replacement PSV-041-2F013L. Certified set pressure/seat tightness.
L2-92-055	Installed replacement PSV-041-2F013M. Main body replaced per MOD No. 6101-2. Certified set pressure/seat tightness.
L2-92-023	Installed replacement PSV-041-2F013N. Certified set pressure/seat tightness.
L2-92-056	Installed replacement PSV-041-2F013S. Main body replaced per MOD No. 6101-2. Certified set pressure/seat tightness.
L2-93-027	Machined N7 nozzle flange.
L2-93-030	Replaced bearing covers on valve HV-041-2F032A.

<u>NIS-2 N^o</u>	<u>DESCRIPTION OF WORK</u>																														
System 041:	Nuclear Boiler (continued)																														
L2-93-031	Weld build-up and machined pressure seal bonnet seating area in valve HV-041-2F074B.																														
System 044:	Reactor Water Clean-Up																														
L2-92-010	Replaced catalog items on support DCC-203-H11.																														
L2-92-117	Replaced commercial steel leakoff plug with ASME material and seal weld on valve 044-2F005B.																														
L2-93-023	Replaced internals and leakoff plug with seal weld on valve HV-044-2F039.																														
System 047:	Control Rod Drive																														
L2-92-109	Replaced control rod drives 20-S299 and applicable CRD flange bolting at the following core locations:																														
	<table border="0" style="margin-left: 40px;"> <tr> <td>14-15 and 2 cap screws</td> <td>30-35</td> </tr> <tr> <td>14-23</td> <td>30-39 and 2 cap screws</td> </tr> <tr> <td>14-31</td> <td>30-47</td> </tr> <tr> <td>18-31</td> <td>34-27 and 1 cap screw</td> </tr> <tr> <td>22-15 and 2 cap screws</td> <td>34-31</td> </tr> <tr> <td>22-23</td> <td>38-03</td> </tr> <tr> <td>22-31 and 2 cap screws</td> <td>38-23</td> </tr> <tr> <td>22-47</td> <td>38-31</td> </tr> <tr> <td>26-27</td> <td>38-47</td> </tr> <tr> <td>26-31</td> <td>42-03</td> </tr> <tr> <td>26-39</td> <td>46-19</td> </tr> <tr> <td>30-19</td> <td>46-23</td> </tr> <tr> <td>30-23</td> <td>46-31</td> </tr> <tr> <td>30-27</td> <td>50-31 and 1 cap screw</td> </tr> <tr> <td>30-31</td> <td></td> </tr> </table>	14-15 and 2 cap screws	30-35	14-23	30-39 and 2 cap screws	14-31	30-47	18-31	34-27 and 1 cap screw	22-15 and 2 cap screws	34-31	22-23	38-03	22-31 and 2 cap screws	38-23	22-47	38-31	26-27	38-47	26-31	42-03	26-39	46-19	30-19	46-23	30-23	46-31	30-27	50-31 and 1 cap screw	30-31	
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30-19	46-23																														
30-23	46-31																														
30-27	50-31 and 1 cap screw																														
30-31																															
MOD 5816-2	Installed new block and check valves and upgraded supports.																														

<u>NIS-2 N^o</u>	<u>DESCRIPTION OF WORK</u>
System 049:	Reactor Core Isolation Cooling
L2-92-032	Replaced commercial steel leakoff plug with ASME material and seal weld on valve 049-2F001.
L2-92-105	Replaced disc, disc nut, and cage on valve 049-2F068.
System 051:	Residual Heat Removal
L2-92-063	Replaced leakoff plug on valve HV-051-231.
L2-92-011	Replaced flow orifices FO-051-221A, B.
L2-92-036	Replaced commercial steel leakoff plug with ASME material and seal weld on valve HV-051-2F052A.
L2-92-039	Replaced commercial steel leakoff plug with ASME material and seal weld on valve 051-2F031A.
L2-93-021	Replaced disc, disc nut, and cage on valve 051-2F090A.
L2-93-028	Replaced upper and lower leakoff plugs on valve HV-C-051-2F048A.
MOD 6147-2	Installed cross connection between RHR and Fire Protection Systems.
System 055:	High Pressure Collant Injection
L2-92-069	Replaced body to cover seal weld on valve 055-2048.
L2-92-073	Replaced commercial steel leakoff plug with ASME material and seal weld on valve HV-055-2F042.
L2-92-080	Replaced commercial steel leakoff plug with ASME material on valve HV-055-2F011.
L2-92-087	Replaced body to cover seal weld on valve 055-2F078.

<u>NIS-2 Nº</u>	<u>DESCRIPTION OF WORK</u>
System 056:	HPCI Pump/Turbine
L2-92-026	Replaced valve internals due to ASME parts reclassification on valve PCV-056-2F035.
System 057:	Containment Atmospheric Control
L2-92-086	Replaced valve 057-2088 and adjacent pipe.
System 060:	Primary Containment Leak Testing
L2-93-041	Replaced pipe plugs in diaphragm slab.
System 061:	Liquid Radwaste Collection
L2-92-082	Replaced commercial steel leakoff plug with ASME material on valve HV-061-231.
System 103:	Snubbers
L2-92-021	Replaced snubber STG-2MS-H001
Sys 001	Replaced snubber STG-2MS-H019
	Replaced snubber STG-2MS-H020
	Replaced snubber STG-2MS-H021A, B
	Replaced snubber STG-2MS-H022A, B
Sys 008	Replaced snubber HCD-205-H015A, B
Sys 041	Replaced snubber DCA-237-E02-H001
	Replaced snubber DCA-240-E02-H001A
	Replaced snubber DCA-244-E03-H002
	Replaced snubber DLA-206-E01-H002
	Replaced snubber DBB-212-H004
Sys 042	Replaced snubber DCA-292-E01-H006
Sys 043	Replaced snubber DCA-217-E02-H003
	Replaced snubber DCA-231-E01-H009
	Replaced snubber DCA-276-E01-H003

<u>NIS-2 N^o</u>	<u>DESCRIPTION OF WORK</u>
System 103:	Snubbers (continued)
Sys 044	Replaced snubber DCA-201-H073A Replaced snubber DCA-423-E01-H001 Replaced snubber DBB-212-H001A
Sys 051	Replaced snubber DCA-205-E02-H002 Replaced snubber EBB-221-E02-H007 Replaced snubber GBB-205-H007 Replaced snubber SBD-251-E79-H001
Sys 052	Replaced snubber DCA-411-E01-H009 Replaced snubber GBB-213-H013A, B
Sys 053	Replaced snubber GCC-201-H003A, B Replaced snubber HBC-209-E01-H004 Replaced snubber HCC-205-H009A, B

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

1. Owner Philadelphia Electric Company Date March 16, 1993
 Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
 Address

2. Plant Limerick Generating Station Unit LG2
 Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0086073
 Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
 Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
 Address Expiration Date N/A

4. Identification of System 001 Main Steam Line No. EBB-204 HV-001-250

5. (a) Applicable Construction Code ASME III 1971 Edition, S-73 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1/2" NPT Pipe Plug	Consolidated Power	Heat No. 337TNR	N/A	*114-79168	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Replaced commercial steel leakoff plug with ASME material and seal weld.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 931 psi Test Temp. N/A °F

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

FORM NIS-2 (BACK)

9 Remarks Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D. L. Schmidt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-19-92 to 5-3-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Bennett Commissions PA 2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 3 MAY 1993

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

1. Owner: Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # C0088389
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 001 Main Steam Line No. EBB-203-1 EBB-203-H26

5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, March 10, 1971 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(3) Studs 1 1/2" - 8x9 1/2"	Allied, Inc.	Heat No. 8097061	N/A	*114-92613	N/A	Replacement	No
(12) Nuts 1 1/2" - 8UNC	Allied, Inc.	Heat No. Q2293A	N/A	*114-92655	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Replacement of studs and nuts on support clamp

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure N/A psi Test Temp. N/A °F

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

FORM NIS-2 (BACK)

9. Remarks 1. Studs and nuts are catalog items.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-17-93 to 5-5-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 5 MAY 1993

As Required by the Provisions of the ASME Code Section XI

1. Owner Philadelphia Electric Company Date June 3, 1992
 Name 2301 Market Street, Philadelphia, Pa. 19101 Sheet 1 of 2
 Address Limerick Generating Station Unit LG2
2. Plant Limerick Generating Station Unit LG2
 Name P.O. Box 2300, Pottstown, PA 19464-0920 MRF #9103301
 Address Philadelphia Electric Company Repair Organization P.O.No., Job No., etc. N/A
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
 Name 2301 Market Street Authorization No. N/A
Philadelphia, PA 19101 Expiration Date N/A
 Address D11: Emergency Service Water Line No: HBC-240
4. Identification of System D11: Emergency Service Water Line No: HBC-240
5. (a) Applicable Construction Code ASME III 74 1975 Addenda, N-154 Code Case 86
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No)
600# S.W. 2" Check Valve	Rockwell International	XA023	N/A	D11-0063	1978	Replaced	Yes
600# S.W. 2" Check Valve	Rockwell International	ZAB49	N/A	*114-81237	1978	Replacement	Yes
2" NPS Restraint Two-Way	Bechtel	N/A	N/A	*114-92636	N/A	Repair Replacement	No

* Traceability per PECO Part Code No. Replaced 2" check valve.

7. Description of Work _____
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure _____ psig Test Temp. _____ F

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

FORM NIS -2 (Back)

1. Manufacturer's Data Report attached to MRF Package.
9. Remarks _____
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Joseph F. Bluminger for Maintenance Engineer Date July 23, 19 92
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors Pennsylvania H.S.B.I. & I. Company and the state or Province of _____ and employed by _____ of Hartford, Connecticut

_____ have inspected the components described in this Owner's Report during the period 5/20/91 to 7/27/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code Section XI.

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

Paul Lencir Jr. Commissions PA 2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 27 JULY 19 92

As Required by the Provisions of the ASME Code Section XI

1. Owner Philadelphia Electric Company Date May 14, 1992
 Name 2301 Market Street, Philadelphia, Pa. 19101
 Address Limerick Generating Station Sheet 1 of 2
 2. Plant Limerick Generating Station Unit LG2
 Name P.O. Box 2300, Pottstown, PA 19464-0920 MRF #910290B
 Address Philadelphia Electric Company Repair Organization P.O.No., Job No., etc. N/A
 3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
 Name 2301 Market Street Authorization No. N/A
Philadelphia, PA 19101 Expiration Date N/A
 Address 011: Emergency Service Water Line No: HBC-258-1 HV-011-221
 4. Identification of System

5. (a) Applicable Construction Code ASME III 71 Edition, S73 Addenda, N/A Code Case 86
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No)
1/2" NPT Pipe Plug Slotted	Hub, Inc.	Heat Code AEM	N/A	*114-79168	N/A	Repaired, Replacement	No

* Traceability per PECO Part Code No.
 Replaced Commercial Steel Leakoff Plug with ASME material and seal welded.

7. Description of Work _____

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 128 psi Test Temp. N/A ° F

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

FORM NIS -2 (Back)

1. Manufacturer's Data Report attached to MRF Package.

9. Remarks

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Joseph F. [Signature] for Maintenance Engineer Date July 28, 19 92 Owner or Owner's Designee Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors Pennsylvania H.S.B.I. & I. Company and the state or Province of Hartford, Connecticut and employed by of

have inspected the components described in this Owner's Report during the period 5/21/91 to 7/30/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code Section XI.

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

Inspector's Signature [Signature] Commissions PA 2497 I&N National Board, State, Province, and Endorsements

Date 30 JULY 19 92

As Required by the Provisions of the ASME Code Section XI

1. Owner Philadelphia Electric Company Date May 15, 1992
 Name 2301 Market Street, Philadelphia, Pa. 19101
 Address Limerick Generating Station
 2. Plant Limerick Generating Station Unit LG2
 Name P.O. Box 2300, Pottstown, PA 19464-0920 MRF #9106324
 Address Philadelphia Electric Company Repair Organization P.D.No., Job No., etc. N/A
 3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
 Name 2301 Market Street Authorization No. N/A
Philadelphia, PA 19101 Expiration Date N/A
 Address 011: Emergency Service Water Line No.: HBC-258 HV-011-223
 4. Identification of System ASME III 71 s-73 Addenda, N/A Code Case
 5. (a) Applicable Construction Code ASME III 71 s-73 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No)
B ^H Gate Valve	Velan	S/N 015B	N/A	Mfg. Dwg. No. P2-3486-N12 Rev.H	1979	Repaired	Yes
Wedge Guide	N/A	Heat Code 44357	N/A	*114-92431	N/A	Replacement	No

* Traceability per PECO Part Code No.

Remove existing worn wedge guides to valve body. Install new wedge guides to valve body.

7. Description of Work _____
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Attached OVF
 Other Pressure 135 psi Test Temp. N/A F

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

FORM N15 -2 (Back)

1. Manufacturer's Data Report attached to MRF Package.

9. Remarks

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Joseph F. Hinkley for Maintenance Engineer Date August 12, 19 92
Owner or Owner's Designee Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors Pennsylvania and the state or Province of Hartford, Connecticut and employed by H.S.B.I. & I. Company

_____ have inspected the components described in this Owner's Report during the period 10-21-91 to 8-12-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code Section XI.

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

Paul Bernier Commissions PA 2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 12 AUG 19 92

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # C0087897
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System D11 ESW Line No. SP-HBC-248-E10 SP-HBC-239-E2

5. (a) Applicable Construction Code ASME III 1974 Edition, W-74 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1985

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1 1/2" SCH 80 CS Pipe	Radnor	Heat No. 294072	N/A	*114-90044	N/A	Replacement	No
(2) 1 1/2" 3000# Coupling	Bechtel	Heat No. CB07	N/A	*114-90781	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Replaced section of ESW piping to 2B-P202 RHR pump.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 179 psi Test Temp. 82 °F

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

FORM NIS-2 (BACK)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 7-6-92 to 5-11-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions PA 2497 I&N
National Board, State, Province, and Endorsements

Date 11 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0131732
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System 011 ESW Line No. HBC-252-2 HV-011-047

5. (a) Applicable Construction Code ASME III 1971 Edition S-73 Addenda N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1996

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Wedge Guides	Dubose Nat	Heat No. 35361	N/A	*110-96567	N/A	Replacement	No

7. Description of Work Replaced valve wedge guides *Traceability per PECO Part Code No.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 106 psi Test Temp. N/A F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-25-93 to 5-5-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 5 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
 Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
 Address

2. Plant Limerick Generating Station Unit LG2
 Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0131685
 Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
 Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
 Address Expiration Date N/A

4. Identification of System 011 ESW Line No. HBC-252-2 HV-011-077

5. (a) Applicable Construction Code ASME III 1971 Edition, S-73 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Wedge Guides	Dubose Nat	Heat No. 35361	N/A	*110-96567	N/A	Replacement	No

7. Description of Work Replaced valve wedge guides. *Traceability per PECO Part Code No.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 106 psi Test Temp. N/A °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-22-93 to 5-3-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Bennett Commissions PA 2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 3 MAY 1993

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0133931
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System 011 ESW Line No. HBC-259 HV-011-225

5. (a) Applicable Construction Code ASME III 1971 Edition, S-73 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1/2" NPT Pipe Plug	Consolidated Power	Heat No. 337TNR	N/A	*114-79168	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Replaced commercial steel leakoff plug with ASME material and seal weld.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 106 psi Test Temp. N/A °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-16-93 to 6-4-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul D. Schmitt Jr. Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 4 JUNE 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19454-2300 Address PECo - WO # C0135140
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 011 ESW Line No. HBC-239

5. (a) Applicable Construction Code ASME III 1974 Edition, W-74 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1 1/2" SCH 80 Pipe	Tioga Pipe	Heat No. 76707	N/A	*114-90044	N/A	Replacement	No
1 1/2" NPS Restraint	Bechtel, Inc.	TRW 20958	N/A	*114-82535	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Replaced section of pipe and 2-way restraint

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 174 psi Test Temp. 74 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 5 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmidt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-12-93 to 6-4-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 4 JUNE 1993

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

1. Owner Philadelphia Electric Company Date March 16, 1993
 Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
 Address

2. Plant Limerick Generating Station Unit LG2
 Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0139632
 Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
 Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
 Address Expiration Date N/A

4. Identification of System 011 ESW Line No. HBC-259-1 HV-011-226

5. (a) Applicable Construction Code ASME III 1971 Edition, S-73 Addenda N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Wedge Guides	Dubose Nat	Heat No. 35361	N/A	*110-96567	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Replaced valve wedge guides

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 106 psi Test Temp. N/A °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D. S. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-15-93 to 5-3-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 3 MAY 1993

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0131523
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System D41 Nuclear Boiler Line No. APE-2MS-LA PSV-041-2F013A

5. (a) Applicable Construction Code ASME III 1968 Edition, S-70 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
M.S.R.V. Body	Target Rock Corp.	179	N/A	N/A	1992	Replacement	Yes
Pilot	Target Rock Corp.	517	N/A	N/A	N/A	Replacement	No
Main Disc	Target Rock Corp.	3354	N/A	*114-76023	N/A	Replacement	No
(24) Inlet Nuts - 1 1/4" - 6UNC-2	Nova Machine	Heat No. QUR	N/A	*114-93784	N/A	Replacement	No

*Traceability per PECO Part Code No. Main Body replacement per MOD No. 6101-2.

7. Description of Work: Rework valve internals, set pressure test, and install.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report is attached to W/O Package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-18-93 to 5-17-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Brennan Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 17 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECO - WO # C0131524
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System 041 Nuclear Boiler Line No. APE-2MS-LB PSV-041-2F013B

5. (a) Applicable Construction Code ASME III 1968 Edition, S-70 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
M.S.R.V. Body	Target Rock Corp.	186	N/A	N/A	1992	Replacement	Yes
Pilot	Target Rock Corp.	520	N/A	N/A	N/A	Replacement	No
(24) Inlet Nuts 1 1/2" - 6UNC-2	HUB, Inc.	Heat No. A2	N/A	*114-93784	N/A	Replacement	No

*Traceability per PECO Part Code No. Main Body replacement per MOD No. 6101-2.

7. Description of Work: Rework valve and internals, set pressure test and install

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-18-93 to 5-16-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Hernandez Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 6 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # C0131525
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System: 041 Nuclear Boiler Line No. APE-2MS-LC PSV-041-2F013C

5. (a) Applicable Construction Code ASME III 1966 Edition S-70 Addenda N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
M.S.R.V. Body	Target Rock Corp.	176	N/A	N/A	1992	Replacement	Yes
Pilot	Target Rock Corp.	525	N/A	N/A	N/A	Replacement	No
Spherical Collar	Target Rock Corp.	502	N/A	N/A	1992	Replacement	No
(24) Inlet Nuts 1 1/2" - 6UNC-2	Nova Machine	Heat No. 4M5402	N/A	*114-93764	N/A	Replacement	No

*Traceability per PECo Part Code No. Main Body replacement per MOD No. 6101-2

7. Description of Work: Rework valve and internals, certify set pressure test and install

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report is attached to W/O Package.
Applicable Manufacturer's Data Reports to be attached
2. NCR L92-621.
3. W/O # C0135095 and ASME R&R Plan L2-93-002.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmidt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-18-93 to 5-5-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Bernard Commissions PA 2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 5 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 3

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # C0131526
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System D41 Nuclear Boiler Line No. APE-2MS-LD PSV-D41-2F013D

5. (a) Applicable Construction Code ASME III 1968 Edition, S-70 Addenda N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
M.S.R.V. Body	Target Rock Corp.	184	N/A	N/A	1992	Replacement	Yes
Pilot	Target Rock Corp.	526	N/A	N/A	N/A	Replacement	No
Spherical Collar	Target Rock Corp.	521	N/A	N/A	N/A	Replacement	No
Main Disc	Target Rock Corp.	3368	N/A	N/A	N/A	Replacement	No
(1) Inlet Stud 1 1/4" -- 6x10	HUB, Inc.	Heat No. D9	N/A	*114-93783	N/A	Replacement	No

*Traceability per PECo Part Code No. Main Body replacement per MOD No. 6101-2.

7. Description of Work: Rework valve internals, set pressure test and install.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 2 of 3

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatogs, PA 19464-2300 Address PECo - WO # C0131526
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 041 Nuclear Boiler Line No. APE-2MS-LD PSV-041-2F013D

5. (a) Applicable Construction Code ASME III 1968 Edition, S-70 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1996

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(24) Inlet Nuts 1 1/2" - 8UNC-2	Nova Machine	Heat No. QU9	N/A	*114-93784	N/A	Replacement	No
(3) Outlet Studs 1" - 8x6 1/2"	Consolidated	Heat No. E6	N/A	*114-76530	N/A	Replacement	No
(6) Outlet Nuts 1" - 8UNC	Consolidated	Heat No. 4 DH	N/A	*114-76529	N/A	Replacement	No

*Traceability per PECo Part Code No. Main Body replacement per MOD No. 6101-2.

7. Description of Work: Rework valve internals, set pressure test, and install.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D. S. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-18-93 to 5-6-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 6 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
 Name
2301 Market Street, Philadelphia, PA 19101 Address
 Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
 Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address
PECo - WO # C0131527
 Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
 Name
2301 Market Street, Philadelphia, PA 19101 Address
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System 041 Nuclear Boiler Line No. APE-2MS-LA PSV-041-2F013E

5. (a) Applicable Construction Code ASME III 1968 Edition S-70 Addenda N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
M.S.R.V. Body	Target Rock Corp.	147	N/A	N/A	1992	Replacement	Yes
Pilot	Target Rock Corp.	508	N/A	N/A	N/A	Replacement	No
Spherical Collar	Target Rock Corp.	478	N/A	N/A	N/A	Replacement	No
(24) Inlet Nuts 1 1/4" - 6UNC-2	HUB, Inc.	Heat No. A2	N/A	*114-93784	N/A	Replacement	No

*Traceability per PECO Part Code No. Main Body replacement per MOD No. 6101-2.

7. Description of Work: Rework valve and internals, set pressure test and install.

8. Tests conducted. Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 1000 psi Test Temp. 193 °F

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

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

1. Owner Philadelphia Electric Company Date March 16, 1993
 Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
 Address

2. Plant Limerick Generating Station Unit LG2
 Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECO - WO # C0131528
 Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
 Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
 Address Expiration Date N/A

4. Identification of System 041 Nuclear Boiler Line No. APE-2MS-LB PSV-041.2F013F

5. (a) Applicable Construction Code ASME III 1968 Edition, S-70 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1996

6. Identification of Components Repaired or Replaced and Replacement Components.

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
M.S.R.V Body	Target Rock Corp.	169	N/A	N/A	1992	Replacement	Yes
Pilot	Target Rock Corp.	519	N/A	N/A	N/A	Replacement	No
Main Disc	Target Rock Corp.	3341	N/A	*114-76023	N/A	Replacement	No
(24) Inlet Nuts 1 1/2" - 6UNC-2	Nova Machine	Heat No. 4M5402	N/A	*114-93784	N/A	Replacement	No

*Traceability per PECO Part Code No. Main Body replacement per MOD No. 6101-2.

7. Description of Work Rework valve and internals, set pressure test and install

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report is attached to W/O Package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmidt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-18-93 to 5-5-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Bennett Commissions PA 2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 5 MAY 1993

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

1. Owner Philadelphia Electric Company Date March 16, 1993
 Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
 Address

2. Plant Limerick Generating Station Unit LG2
 Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0131535
 Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
 Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
 Address Expiration Date N/A

4. Identification of System D41 Nuclear Boiler Line No. APE-2MS-LC PSV-041-2F013G

5. (a) Applicable Construction Code ASME III 1968 Edition, S-70 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1996

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
M.S.R.V. Body	Target Rock Corp.	189	N/A	N/A	1992	Replacement	Yes
Pilot	Target Rock Corp.	513	N/A	N/A	N/A	Replacement	No
Spherical Collar	Target Rock Corp.	477	N/A	N/A	N/A	Replacement	No
Main Disc	Target Rock Corp.	3360	N/A	N/A	N/A	Replacement	No
(24) Inlet Nuts 1 1/4" - 6UNC-2	Nova Machine	Heat No. QUB	N/A	*114-93784	N/A	Replacement	No

*Traceability per PECO Part Code No. Main Body replacement per MOD No. 6101-2.

7. Description of Work: Rework valve and internals, set pressure test and install.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report is attached to W/O Package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Strip N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-18-93 to 5-5-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul R. Smith
Inspector's Signature

Commissions PA 2497 I, N&A
National Board, State, Province, and Endorsements

Date 5 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 3

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # C0131020
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 041 Nuclear Boiler Line No. APE-2MS-LD PSV-041-2F013H

5. (a) Applicable Construction Code ASME III 1968 Edition, S-7D Addenda N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
M.S.R.V. Body	Target Rock Corp.	145	N/A	N/A	1990	Replacement	Yes
Pilot	Target Rock Corp.	523	N/A	N/A	N/A	Replacement	No
Spherical Collar	Target Rock Corp.	527	N/A	N/A	N/A	Replacement	No
(12) Inlet Studs - 1 1/4" x 10"	HUB, Inc.	Heat No. D9	N/A	*114-93783	N/A	Replacement	No
(24) Inlet Nuts - 1 1/4" - 6UNC-2	Nova Machine	Heat No. 4M5402	N/A	*114-93784	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Rework valve internals, set pressure test, and install.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 2 of 3

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Saratoga, PA 19464-2300 Address PECo - WO # C0131020
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 041 Nuclear Boiler Line No. APE-2MS-LD PSV-041-2F013H

5. (a) Applicable Construction Code ASME III 1968 Edition, S-70 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(1) Outlet Stud - 1" - 8x6 1/4"	Consolidated Power	Heat No. 8869139	N/A	*114-76530	N/A	Replacement	No
(2) Outlet Nuts - 1" - 8UNC	Consolidated Power	Heat No. 4 DH	N/A	*114-76529	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Rework valve internals, set pressure test, and install

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

DLS
3/16/93

9. Remarks Manufacturer's Data Report is attached to W/D Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-16-92 to 5-17-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 17 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # C0131540
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 041 Nuclear Boiler Line No. APE-2MS-LA PSV-041-2F013J

5. (a) Applicable Construction Code ASME III 1968 Edition, S-70 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
M.S.R.V. Body	Target Rock Corp.	180	N/A	N/A	1992	Replacement	Yes
Pilot	Target Rock Corp.	518	N/A	N/A	N/A	Replacement	No
Main Disc	Target Rock Corp.	3367	N/A	N/A	N/A	Replacement	No
(1) Outlet Stud - 1" - 8x8 1/4"	Consolidated Power	Heat No. 8869139	N/A	*114-76530	N/A	Replacement	No
(2) Outlet Nuts - 1" - 8UNC	HUB, Inc.	Heat No. E18369	N/A	*114-76530	N/A	Replacement	No

*Traceability per PECo Part Code No. Main Body replacement per MOD No. 6101-2.

7. Description of Work Rework valve internals, set pressure test, and install.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report is attached to W/O Package.
Applicable Manufacturer's Data Reports to be attached
2. Reworked outlet flange per NCR L92-623, W/O C0135082, and ASME R&R Plan L93-01.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D. L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-18-93 to 5-17-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Kinart Commissions PA 2497 I, N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 17 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # C0131542
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 041 Nuclear Boiler Line No. APE-2MS-LB PSV-041-2F013K

5. (a) Applicable Construction Code ASME III 1958 Edition, S-70 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1985

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
M.S.R.V. Body	Target Rock Corp.	167	N/A	N/A	1992	Replacement	Yes
Pilot	Target Rock Corp.	515	N/A	N/A	N/A	Replacement	No

Main Body replacement per MOD No. 6101-2.

7. Description of Work: Rework valve and internals, set pressure test and install.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-18-93 to 6-3-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Benard Jr. Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 3 JUNE 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # C0131543
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 041 Nuclear Boiler Line No. APE-2MS-LC PSV-041-2F013L

5. (a) Applicable Construction Code ASME III 1968 Edition, S-70 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
M.S.R.V. Body	Target Rock Corp.	148	N/A	N/A	1990	Replacement	Yes
Pilot	Target Rock Corp.	521	N/A	N/A	N/A	Replacement	No
(24) Inlet Nuts 1 1/2" - 6UNC-2	Nova Machine	Heat No. 4M5402	N/A	*114-93784	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Rework valve and internals, set pressure test and install.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report is attached to W/O Package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmidt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-18-93 to 5-5-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 5 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Saratoga, PA 19464-2300 Address PECo - WO # C0131546
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Typr Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 041 Nuclear Boiler Line No. APE-2MS-LD PSV-041-2F013M

5. (a) Applicable Construction Code ASME III 1968 Edition, S-70 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
M.S.R.V. Body	Target Rock Corp.	178	N/A	N/A	1992	Replacement	Yes
Pilot	Target Rock Corp.	522	N/A	N/A	N/A	Replacement	No
(24) Inlet Nuts 1 1/2" - BUNC-2	Nova Machine	Heat No. 4M5402	N/A	*114-937B4	N/A	Replacement	No

*Traceability per PECO Part Code No. Main Body replacement per MOD No. 6101-2

7. Description of Work: Rework valve and internals, set pressure test and install.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp 193 °F

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-18-93 to 5-5-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 5 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # 00131017
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 041 Nuclear Boiler Line No. APE-2MS B PSV-041-2F013N

5. (a) Applicable Construction Code ASME III 1968 Edition, S-70 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1996

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
M.S.R.V. Body	Target Rock Corp.	175	N/A	N/A	1992	Replacement	Yes
Pilot	Target Rock Corp.	516	N/A	N/A	N/A	Replacement	No
Pilot Seat	Target Rock Corp.	516	N/A	N/A	N/A	Replacement	No
Main Disc	Target Rock Corp.	3366	N/A	N/A	N/A	Replacement	No

Main Body replacement per MOD No. 6101-2.

7. Description of Work: Rework valve internals, set pressure test, and install.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached
2. Replaced pilot seat per ASME R&R Plan L2-92-38

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed DL. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-16-92 to 5-18-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Lenan Jr. Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 18 MAY 1993

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # C0131549
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 041 Nuclear Boiler Line No. APE-2MS-LD PSV-041-2F013S

5. (a) Applicable Construction Code ASME III 1968 Edition, S-70 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1996

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
M.S.R.V. Body	Target Rock Corp.	188	N/A	N/A	1992	Replacement	Yes
Pilot	Target Rock Corp.	528	N/A	N/A	N/A	Replacement	No
(1) Drilled Hex Head Bolt	Target Rock Corp.	Heat No. TB	N/A	N/A	N/A	Replacement	No
(24) Inlet Nuts 1 1/4" - 8UNC-2	Nova Machine	Heat No. 4M5402	N/A	*114-93784	N/A	Replacement	No

*Traceability per PECO Part Code No. Main Body replacement per MOD No. 6101-2.

7. Description of Work: Rework valve and internals, set pressure test and install.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

B. Remarks 1. Manufacturer's Data Report is attached to W/O Package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D. S. Smith for Maintenance Engineer, Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 18 JAN 93 to 5 MAY 93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Kenan Jr. Commissions PA 2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 5 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # C0134496
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System D41 Nuclear Boiler Line No. DBA-210-1 N7 Nozzle Flange

5. (a) Applicable Construction Code ASME III 1968 Edition, S-69 Addenda, 1332-5, 1420, 1441-1, 1492 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RPV N7 Nozzle Flange	CB&I	B5027	3960	20-S201	1977	Repair	Yes

7. Description of Work: Machined nozzle flange tongue.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9. Remarks Work performed per NCR LG-92-00196
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmidt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-16-93 to 5-3-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Schmidt Commissions PA 2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 3 MAY 1993

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

1. Owner Philadelphia Electric Company Date March 16, 1993
 Name
2301 Market Street, Philadelphia, PA 19101 Address
 Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
 Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address
PECo - WO # R0466785
 Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
 Name
2301 Market Street, Philadelphia, PA 19101 Address
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System 041 Nuclear Boiler Line No. DBS-203-1 HV-041-2F032A

5. (a) Applicable Construction Code ASME III 1971 Edition, W-72 Addenda, 1519 & 1622-1 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Bearing Cover	Atwood & Morrill	5	N/A	Heat No. R1172	N/A	Replacement	No
Bearing Cover	Atwood & Morrill	6	N/A	Heat No. R1172	N/A	Replacement	No

7. Description of Work: Replaced shaft and bearing covers.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-17-93 to 6-4-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Schmitt Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 4 JUNE 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # C0140327
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 041 Nuclear Boiler Line No. DLA-206-1 HV-041-2F074B

5. (a) Applicable Construction Code ASME III 1971 Edition, W-72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
HV-041-2F074B	Atwood & Morrill	4-521	N/A	B Loop Feedwater PCIV	N/A	Repair	Yes

7. Description of Work: Weld build up and machine pressure seal bonnet seating area

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9 Remarks Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-20-93 to 6-4-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 4 JUNE 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # C0080464
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 044 RWCU Line No. DCC-203-1 DCC-203-H11

5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, March 10, 1971 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(2) Nuts 5/8" - 6UNC	Nova Machine	Heat No. 8079196	N/A	*114-92548	N/A	Replacement	No
Threaded Rod 5/8"x6"	HUB, Inc.	Heat No. 8096740	N/A	*114-92563	N/A	Replacement	No

*Traceability per PECo Part Code No.

7. Description of Work: Replaced catalog items on rigid support.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure N/A psi Test Temp. N/A °F

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

FORM NIS-2 (BACK)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 6-5-92 to 5-5-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 5 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # C0133361
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 044 RWCU Line No. DCC-203-1 044-2F005B

5. (a) Applicable Construction Code ASME III 1971 Edition, S-73 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1996

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1/2" NPT Pipe Plug	Energy Steel	Heat No. 620TNA	N/A	*114-79169	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Replaced commercial steel leakoff plug with ASME material and seal weld.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp 193 F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 5 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-29-92 to 5-3-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

P. A. Schmitt Commissions PA 2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 3 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # C0087481
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 044 RWCU Line No. DBB-205-1 HV-044-2F039

5. (a) Applicable Construction Code ASME III 1971 Edition W-72 Addenda 1622 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1/2" NPT Pipe Plug	Bechtel, Inc.	Heat No. 0436	N/A	*114-79171	N/A	Replacement	No
Bearing Cover	Atwood & Morrill	Heat No. S2576	N/A	*114-77439	N/A	Replacement	No
Stuffing Box	Atwood & Morrill	Heat No. 91270	N/A	*114-77438	N/A	Replacement	No
Disc	Atwood & Morrill	Heat No. B01B15680-A30103	N/A	*114-77448	N/A	Replacement	No
Shaft	Atwood & Morrill	Heat No. 30059	N/A	*114-77440	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Replaced end covers, disc, shaft, and post. Replaced and seal welded leakoff plug.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1300 psi Test Temp. N/A °F

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

FORM NIS-2 (BACK)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & i. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-12-93 to 5-18-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

D. L. Schmitt Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 18 MAY 1993

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # C0132999
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System Q47 Control Rod Drive Line No. 20-S299-14-15

5. (a) Applicable Construction Code ASME III 1968 Edition, W-69 Addenda, 1361-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1996

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	4991	N/A	N/A	N/A	Replacement	Yes
(2) Cap Screws 1" - 8 x 5 1/2"	General Electric Co.	Heat No. 61811	N/A	*144-77788	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Replaced control rod drive and 2 cap screws.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9 Remarks Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 5-11-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul A. ... Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 11 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
 Name
2301 Market Street, Philadelphia, PA 19101 Address
 Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
 Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address
PECo - WO # C0132999 Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
 Name
2301 Market Street, Philadelphia, PA 19101 Address
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System 047 Control Rod Drive Line No. 20-S299-14-23

5. (a) Applicable Construction Code ASME III 1968 Edition, W-69 Addenda, 1361-1 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1996

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	4859	N/A	N/A	N/A	Replacement	Yes

7. Description of Work: Replaced control rod drive.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schlicht for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 5-11-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul L. Schlicht Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 11 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0132999
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System D47 Control Rod Drive Line No. 20-S299-14-31

5. (a) Applicable Construction Code ASME III 1968 Edition, W-69 Addenda, 1361-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	4866	N/A	N/A	N/A	Replacement	Yes

7. Description of Work: Replaced control rod drive

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitz for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designer, 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 Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 5-11-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 11 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0132999
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System D47 Control Rod Drive Line No. 20-S299-18-31

5. (a) Applicable Construction Code ASME III 1968 Edition, W-69 Addenda, 1361-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	4896	N/A	N/A	N/A	Replacement	Yes

7. Description of Work: Replaced control rod drive.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 5-11-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 11 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
 Name
2301 Market Street, Philadelphia, PA 19101 Address
 Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
 Name
P.O. Box 2300, Searatoga, PA 19454-2300 Address
PECo - WO # C0132999
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
 Name
2301 Market Street, Philadelphia, PA 19101 Address
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System 047 Control Rod Drive Line No. 20-S299-22-15

5. (a) Applicable Construction Code ASME III 1968 Edition W-69 Addenda 1361-1 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	5052	N/A	N/A	N/A	Replacement	Yes
(2) Cap Screws 1" - 8 x 5/8"	General Electric Co.	Heat No. 61811	N/A	*114-77788	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Replaced control rod drive and 2 cap screws.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D. L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 5-11-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Lencart Commissions PA 2497 I, N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 11 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
 Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
 Address

2. Plant Limerick Generating Station Unit LG2
 Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0132999
 Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
 Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
 Address Expiration Date N/A

4. Identification of System 047 Control Rod Drive Line No. 20-S299-22-23

5. (a) Applicable Construction Code ASME III 1968 Edition, W-69 Addenda, 1361-1 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	5169	N/A	N/A	N/A	Replacement	Yes

7. Description of Work: Replaced control rod drive.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 6-8-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Korman Jr. Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 8 JUNE 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # C0132999
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 047 Control Rod Drive Line No. 20-S299-22-31

5. (a) Applicable Construction Code ASME III 1968 Edition, W-69 Addenda, 1361-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	7135	N/A	N/A	N/A	Replacement	Yes
(2) Cap Screws 1" - 8 x 5/2"	General Electric Co.	Heat No. 61811	N/A	*114-77788	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Replaced control rod drive and 2 cap screws.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 5-11-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Bennett Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 11 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19454-2300 Address PECo - WD # C0132999
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 047 Control Rod Drive Line No. 20-S296-22-47

5. (a) Applicable Construction Code ASME III 1968 Edition, W-69 Addenda, 1361-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	4733	N/A	N/A	N/A	Replacement	Yes

7. Description of Work: Replaced control rod drive

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 5-11-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 11 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # CU 32999
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System 047 Control Rod Drive Line No. 20-S299-26-27

5. (a) Applicable Construction Code ASME III 1971 Edition S-73 Addenda 1361-2 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	A8364	N/A	N/A	N/A	Replacement	Yes

7. Description of Work: Replaced control rod drive

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 6-8-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Heroin Jr. Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 8 JUNE 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0132999
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System 047 Control Rod Drive Line No. 20-S299-26-31

5. (a) Applicable Construction Code ASME III 1971 Edition, S-73 Addenda 1361-2 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	A6958	N/A	N/A	N/A	Replacement	Yes

7. Description of Work: Replaced control rod drive.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D. S. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 6-8-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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Ran Kenney Commissions PA 2497 I, N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date: 8 JUNE 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0132999
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System 047 Control Rod Drive Line No. 20-S299-26-39

5. (a) Applicable Construction Code ASME III 1968 Edition, W-69 Addenda, 1361-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	4917	N/A	N/A	N/A	Replacement	Yes

7. Description of Work: Replaced control rod drive.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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FORM NIS-2 (BACK)

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Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D. L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 5-11-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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[Signature] Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 11 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatogs, PA 19464-2300 Address PECo - WO # C0132999
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 047 Control Rod Drive Line No. 20-S299-30-19

5. (a) Applicable Construction Code ASME III 1968 Edition, W-69 Addenda, 1361-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	4828	N/A	N/A	N/A	Replacement	Yes

7. Description of Work: Replaced control rod drive.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

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Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 5-11-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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Paul Loran Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 11 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0132999
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System 047 Control Rod Drive Line No. 20-S299-30-23

5. (a) Applicable Construction Code ASME III 1974 Edition, W-75 Addenda, 1361-2, N207 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1996

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	A8573	N/A	N/A	N/A	Replacement	Yes

7. Description of Work: Replaced control rod drive

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 93 °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 6-8-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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Paul D. Schmitt Commissions PA 2497 I, N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 8 JUNE 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name

2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name

P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0132999
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name

2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System 047 Control Rod Drive Line No. 20-S299-30-27

5. (a) Applicable Construction Code ASME III 1968 Edition, W-59 Addenda, 1361-1 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	3548	N/A	N/A	N/A	Replacement	Yes

7. Description of Work: Replaced control rod drive

8. Tests conducted: Hydrostatic Pneumatic Normal Operating Pressure

Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

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Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 5-11-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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[Signature] Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 11 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0132999
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System D47 Control Rod Drive Line No. 20-S299-30-31

5. (a) Applicable Construction Code ASME III 1971 Edition, S-73 Addenda, 1361-2 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	A8355	N/A	N/A	N/A	Replacement	Yes

7. Description of Work: Replaced control rod drive.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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Type Code Symbol Stamp N/A

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

Signed D.I. Schmitt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 6-8-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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Paul Henan Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 8 JUNE 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0132999
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System 047 Control Rod Drive Line No. 20-S299-30-35

5. (a) Applicable Construction Code ASME III 1971 Edition, S-73 Addenda, 1361-2 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1985

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	A8274	N/A	N/A	N/A	Replacement	Yes

7. Description of Work: Replaced control rod drive.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

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Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 6-8-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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Paul Korman Jr. Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 8 JUNE 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0132999
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System 047 Control Rod Drive Line No. 20-S299-30-39

5. (a) Applicable Construction Code ASME III 1968 Edition, W-89 Addenda, 1361-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	5238	N/A	N/A	N/A	Replacement	Yes
(2) Cap Screws 1" - 8 x 5/8"	General Electric Co.	Heat No. 61811	N/A	*144-77788	N/A	Replacement	No

*Traceability per PECo Part Code No.

7. Description of Work: Replaced control rod drive and 2 cap screws.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

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Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 5-11-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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[Signature] Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 11 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # C0132999
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 047 Control Rod Drive Line No. 20-S299-30-47

5. (a) Applicable Construction Code ASME III 1974 Edition, W-75 Addenda, 1361-2 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1996

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	A8480	N/A	N/A	N/A	Replacement	Yes

7. Description of Work: Replaced control rod drive.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

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

1. Owner Philadelphia Electric Company Date March 16, 1993
 Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
 Address

2. Plant Limerick Generating Station Unit LG2
 Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0132999
 Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
 Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
 Address Expiration Date N/A

4. Identification of System 047 Control Rod Drive Line No. 20-S299-34-27

5. (a) Applicable Construction Code ASME III 1966 Edition, W-69 Addenda, 1361-1 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1966

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D	General Electric Co.	5228	N/A	N/A	N/A	Replacement	Yes
(1) Cap Screws 1" - 8 x 5/8"	General Electric Co.	Heat No. 61811	N/A	*144-77788	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Replaced control rod drive and 1 cap screw.

8. Tests conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []
 Other [] Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D. S. Schmitt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 5-11-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Schmitt
Inspector's Signature

Commissions PA 2497 I,N&A
National Board, State, Province, and Endorsements

Date 11 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
 Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
 Address

2. Plant Limerick Generating Station Unit LG2
 Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0132999
 Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
 Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
 Address Expiration Date N/A

4. Identification of System D47 Control Rod Drive Line No. 20-S299-34-31

5. (a) Applicable Construction Code ASME III 1971 Edition, S-73 Addenda, 1361-2 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	A8329	N/A	N/A	N/A	Replacement	Yes

7. Description of Work: Replaced control rod drive

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 1000 psi Test Temp. 193 °F

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FORM NIS-2 (BACK)

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Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 6-8-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Benoit
Inspector's Signature

Commissions PA 2497 I, N&A
National Board, State, Province, and Endorsements

Date 8 June 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19454-2300 PECo - WO # C0132999
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System 047 Control Rod Drive Line No. 20-S299-38-03

5. (a) Applicable Construction Code ASME III 1968 Edition W-59 Addenda 1361-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1996

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	5170	N/A	N/A	N/A	Replacement	Yes

7. Description of Work: Replaced control rod drive.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmidt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 6-8-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul D. Baird Commissions PA 2457 I, N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 8 JUNE 1993

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19454-2300 Address PECo - WO # C0132999
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 047 Control Rod Drive Line No. 20-S299-36-23

5. (a) Applicable Construction Code ASME III 1968 Edition, W-69 Addenda 1361-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1985

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	5257	N/A	N/A	N/A	Replacement	Yes

7. Description of Work: Replaced control rod drive

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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FORM NIS-2 (BACK)

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Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 6-8-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Renari Jr.
Inspector's Signature

Commissions PA 2497 I,N&A
National Board, State, Province, and Endorsements

Date 8 JUNE 1993

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

XI L2-92-109-23

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # C0132999
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 047 Control Rod Drive Line No. 20-S299-38-31

5. (a) Applicable Construction Code ASME III 1968 Edition, W-69 Addenda, 1361-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	5259	N/A	N/A	N/A	Replacement	Yes

7. Description of Work: Replaced control rod drive

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 5-11-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions PA 2497 I,N&A
National Board, State, Province, and Endorsements

Date 11 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0132999
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System 047 Control Rod Drive Line No. 20-S299-38-47

5. (a) Applicable Construction Code ASME III 1974 Edition, W-75 Addenda, 1361-2, N207 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	AB077	N/A	N/A	N/A	Replacement	Yes

7. Description of Work: Replaced control rod drive

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 6-8-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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Paul K... ..
Inspector's Signature

Commissions PA 2497 I,N&A
National Board, State, Province, and Endorsements

Date 8 JUNE 1993

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECC - WO # C0132999
Repair Organization P.O. No., Job No., etc

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 047 Control Rod Drive Line No. 20-S299-42-03

5. (a) Applicable Construction Code ASME III 1968 Edition, W-69 Addenda 1361-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1966

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	5983	N/A	N/A	N/A	Replacement	Yes

7. Description of Work: Replaced control rod drive.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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Type Code Symbol Stamp N/A

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

Signed D. Schmitt for Maintenance Engineer, Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 5-11-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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Paul W. ... Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 11 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name

2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name

P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0132999
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name

2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System Q47 Control Rod Drive Line No. 20-S299-46-19

5. (a) Applicable Construction Code ASME III 1971 Edition, S-73 Addenda 1361-2 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	A8275	N/A	N/A	N/A	Replacement	Yes

7. Description of Work: Replaced control rod drive.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 6-8-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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D. Schmitt
Inspector's Signature

Commissions PA 2497 I,N&A
National Board, State, Province, and Endorsements

Date 8 JUNE 1993

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

1. Owner Philadelphia Electric Company Date March 16, 1993
 Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
 Address

2. Plant Limerick Generating Station Unit LG2
 Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0132999
 Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
 Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
 Address Expiration Date N/A

4. Identification of System 047 Control Rod Drive Line No. 20-S299-46-23

5. (a) Applicable Construction Code ASME III 1968 Edition W-69 Addenda 1361-1 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	5050	N/A	N/A	N/A	Replacement	Yes

7. Description of Work: Replaced control rod drive

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 1000 psi Test Temp. 193 °F

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CERTIFICATE OF COMPLIANCE

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Type Code Symbol Stamp N/A

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

Signed D. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 5-11-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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Paul Grant
Inspector's Signature

Commissions PA 2497 I,N&A
National Board, State, Province, and Endorsements

Date 11 MAY 1993

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

1. Owner Philadelphia Electric Company Date March 16, 1993
 Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
 Address

2. Plant Limerick Generating Station Unit LG2
 Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0132999
 Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
 Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
 Address Expiration Date N/A

4. Identification of System 047 Control Rod Drive Line No. 20-S299-46-31

5. (a) Applicable Construction Code ASME III 1968 Edition, W-69 Addenda, 1361-1 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	4856	N/A	N/A	N/A	Replacement	Yes

7. Description of Work: Replaced control rod drive.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 1000 psi Test Temp 193 °F

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9. Remarks Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D. L. Schmidt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 5-11-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 11 MAY 19 93

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

XI L2-92-109-29

1. Owner Philadelphia Electric Company Date March 16, 1993
Name

2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name

P.O. Box 2300, Sanatoga, PA 19454-2300 PECo - WO # C0132999
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name

2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System 047 Control Rod Drive Line No. 20-S299-50-31

5. (a) Applicable Construction Code ASME III 1971 Edition, S-73 Addenda, 1361-2 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C.R.D.	General Electric Co.	A8045	N/A	N/A	N/A	Replacement	Yes
(1) Cap Screws 1" - 8 x 5/8"	General Electric Co.	Heat No. 61811	N/A	*144-77758	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Replaced control rod drive and 1 cap screw.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure

Other Pressure 1000 psi Test Temp. 193 °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer. Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-11-93 to 6-8-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Kevins
Inspector's Signature

PA 2497 I,N&A
National Board, State, Province, and Endorsements

Date 8 JUNE 19 93

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

1. Owner PHILADELPHIA ELECTRIC COMPANY Date May 5, 1993
Name
2301 Market Street, Phila, PA. 19101
Address

2. Plant Limerick Generating Station Unit TWO
Name
P.O. Box 2300, Pottstown, PA. 19464
Address PECo MOD 5816-2
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name Authorization No. N/A
2301 Market Street, Phila, PA. 19101 Expiration Date N/A
Address

4. Identification of System: Control Rod Drive Hydraulic System Specification 8031-M-167-2 Rev. 5

5. (a) Applicable Construction Code * 19 * Edition, * ADDENDUM 1 * Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 and code cases N-416, 1644-9
 *See Specification 8031-P-360, Rev. 13

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SP-DCD-212-K2 SH 2 IDCN A	BW/IP INTERNAT.	921W0211	N/A	(VALVE) W8-W9	1992	REPLACE MENT	YES
SP-DCD-212-K2 SH 2 IDCN A	SANDVIK STEEL	462117	N/A	(PIPE) W9-W10	N/A	REPLACE MENT	NO
SP-DCD-212-K2 SH 2 IDCN A	ALLOY STAINLESS	JP	N/A	(TEE) W10-W11	N/A	REPLACE MENT	NO
SP-DCD-212-K2 SH 2 IDCN A	AL TECH SPEC. STL	9E4590	N/A	(PIPE) W11-W12	N/A	REPLACE MENT	NO
SP-DCD-212-K2 SH 2 IDCN A	BW/IP INTERNAT.	34515	N/A	(VALVE) W12-W13	1979	REPLACE MENT	YES

7. Description of Work: INSTALL NEW BLOCK VALVES AND CHECK VALVES IN HEADER AND PIPE SUPPORT HANGERS.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 1990 psi Test Temp. 71 °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.

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

1. Owner PHILADELPHIA ELECTRIC COMPANY Date May 5, 1993
Name
2301 Market Street, Phila, PA. 19101 Sheet 2 of 12
Address
2. Plant Limerick Generating Station Unit TWO
Name
P.O. Box 2300, Pottstown, PA. 19464 PECo MOD 5816-2
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name Authorization No. N/A
2301 Market Street, Phila, PA. 19101 Expiration Date N/A
Address
4. Identification of System Control Rod Drive Hydraulic System Specification 8031-M-167-2 Rev. 5
5. (a) Applicable Construction Code * 19 * Edition, * Addenda, * Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86 and code cases N-416, 1644-9
 *See Specification 8031-P-36(, Rev. 13
5. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SP-DCD-212-K2 SH 2 IDCN A	AL TECH SPEC. STL.	9E4590	N/A	(PIPE) W13-W14	N/A	REPLACE- MENT	NO
SP-DCD-212-K2 SH 2 IDCN A	BW/IP INTERNAT.	33791	N/A	(VALVE) W14-W15	1979	REPLACE- MENT	YES
SP-DCD-212-K2 SH 2 IDCN A	SANDVIK STEEL	462117	N/A	(PIPE) W16-W17	N/A	REPLACE- MENT	NO
SP-DCD-212-K2 SH 2 IDCN A	BW/IP INTERNAT.	921W0212	N/A	(VALVE) W17-W18	1992	REPLACE- MENT	YES
SP-DCD-212-K2 SH 2 IDCN A	SANDVIK STEEL	462117	N/A	(PIPE) W18-W19	N/A	REPLACE- MENT	NO
SP-DCD-212-K2 SH 2 IDCN A	ALLOY STAINLESS	JP	N/A	(TEE) W19-W20	N/A	REPLACE- MENT	NO
SP-DCD-212-K2 SH 2 IDCN A	AL TECH SPEC. STL.	9E4590	N/A	(PIPE) W20-W21	N/A	REPLACE- MENT	NO
SP-DCD-212-K2 SH 2 IDCN A	BW/IP INTERNAT.	33884	N/A	(VALVE) W21-W22	1979	REPLACE- MENT	YES
SP-DCD-212-K2 SH 2 IDCN A	AL TECH SPEC. STL.	9E4590	N/A	(PIPE) W22-W23	N/A	REPLACE- MENT	NO
SP-DCD-212-K2 SH 2 IDCN A	BW/IP INTERNAT.	33736	N/A	(VALVE) W23-W24	1979	REPLACE- MENT	YES
SP-DCD-212-K2 SH 2 IDCN A	SANDVIK STEEL	462117	N/A	(PIPE) W25-W26	N/A	REPLACE- MENT	NO
SP-DCD-212-K2 SH 2 IDCN A	EDWARDS VALVE	58AFI	N/A	(VALVE) W26-W27	1992	REPLACE- MENT	YES

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

1. Owner PHILADELPHIA ELECTRIC COMPANY
Name

Date May 5, 1993

2301 Market Street, Phila, PA. 19101
Address

Sheet 3 of 12

2. Plant Limerick Generating Station
Name

Unit TWO

P.O. Box 2300, Pottstown, PA. 19464
Address

PECO MOD 5816-2
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company
Name

Type Code Symbol Stamp N/A

2301 Market Street, Phila, PA. 19101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System Control Rod Drive Hydraulic System Specification 8031-M-167-2 Rev. 5

5. (a) Applicable Construction Code * 19 * Edition, * Addenda, * Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86 and code cases N-416, 1644-9
*See Specification 8031-P-360, Rev. 13

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SP-DCD-212-K5 SH 2 IDCN A	BW/IP INTERNAT.	19496	N/A	(VALVE) W12-W13	1977	REPLACE- MENT	YES
SP-DCD-212-K5 SH 2 IDCN A	SANDVIC STEEL	462117	N/A	(PIPE) W13-W14	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 SH 2 IDCN A	ALLOY STAINLESS	JP	N/A	(TEE) W14-W15	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 SH 2 IDCN A	AL TECH SPEC. STL.	9E4590	N/A	(PIPE) W15-W16	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 SH 2 IDCN A	BW/IP INTERNAT.	33656	N/A	(VALVE) W16-W17	1979	REPLACE- MENT	YES
SP-DCD-212-K5 SH 2 IDCN A	AL TECH SPEC. STL.	9E4590	N/A	(PIPE) W17-W18	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 SH 2 IDCN A	BORG- WARNER	33914	N/A	(VALVE) W18-W19	1979	REPLACE- MENT	YES
SP-DCD-212-K5 SH 2 IDCN A	SANDVIK STEEL	462117	N/A	(PIPE) W20-W21	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 SH 2 IDCN A	BW/IP INTERNAT.	29720	N/A	(VALVE) W21-W22	1992	REPLACE- MENT	YES
SP-DCD-212-K5 SH 2 IDCN A	SANDVIK STEEL	462117	N/A	(PIPE) W22-W22	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 SH 2 IDCN A	ALLOY STAINLESS	JP	N/A	(TEE) W23-W24	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 SH 2 IDCN A	AL TECH SPEC. STL	9E4590	N/A	(PIPE) W24-W25	N/A	REPLACE- MENT	NO

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

1. Owner PHILADELPHIA ELECTRIC COMPANY Date May 5, 1993
Name
2301 Market Street, Phila, PA. 19101 Sheet 4 of 12
Address
2. Plant Limerick Generating Station Unit TWO
Name
P.O. Box 2300 Pottstown, PA. 19464 PECo MOD 5816-2
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name Authorization No. N/A
2301 Market Street, Phila, PA. 19101 Expiration Date N/A
Address
4. Identification of System Control Rod Drive Hydraulic System Specification 8031-M-167-2 Rev. 5
5. (a) Applicable Construction Code * 19 * Edition, * Addenda, * Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86 and code cases N-416, 1644-9
 *See Specification 8031-P-360, Rev. 13
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SP-DCD-212-K5 SH 2 IDCN A	BORG WARNER	33836	N/A	(VALVE) W25-W26	1979	REPLACE- MENT	YES
SP-DCD-212-K5 SH 2 IDCN A	AL TECH SPEC. STL.	9E4590	N/A	(PIPE) W26-W27	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 SH 2 IDCN A	BW/IP INTERNAT.	33766	N/A	(VALVE) W27-W28	1979	REPLACE- MENT	YES
SP-DCD-212-K5 SH 2 IDCN A	SANDVIK STEEL	462117	N/A	(PIPE) W29-W30	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 SH 2 IDCN A	EDWARDS VALVE	64AFI	N/A	(VALVE) W30-W31	1992	REPLACE- MENT	YES
SP-DCD-212-K5 SH 2 IDCN A	SANDVIK STEEL	462117	N/A	(PIPE) W31-W32	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 SH 2 IDCN A	ALLOY STAINLESS	PB	N/A	(90° EL) W32-W33	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 SH 2 IDCN A	SANDVIK STEEL	462117	N/A	(PIPE) W33-W34	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 SH 2 IDCN A	ALLOY STAINLESS	PB	N/A	(90° EL) W34-W35	N/A	REPLACE- MENT	NO
SP-DCD-212-K4 -H6, SH 1	BAYOU STEEL CORP	19322	N/A	SHIM PLT (NORTH)	N/A	REPLACE- MENT	NO
SP-DCD-212-K4 -H6, SH 1	BAYOU STEEL CORP	19322	N/A	SHIM PLT (SOUTH)	N/A	REPLACE- MENT	NO
SP-DCD-212-K4 H7, SH 1	BAYOU STEEL CORP	19322	N/A	PLATE PIPE STRAP	N/A	REPLACE- MENT	NO

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

1. Owner PHILADELPHIA ELECTRIC COMPANY
Name

2301 Market Street, Phila, PA. 19101
Address

Date May 5, 1993

Sheet 5 of 12

2. Plant Limerick Generating Station
Name

P.O. Box 2300 Pottstown, PA. 19464
Address

Unit TWO

PECo MOD 5816-2

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

3. Work Performed by Philadelphia Electric Company
Name

2301 Market Street, Phila, PA. 19101
Address

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Control Rod Drive Hydraulic System Specification 8031-M-167-2 Rev. 5

5. (a) Applicable Construction Code * 19 * Edition, * Addenda, * Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86 and code cases N-416, 1644-9

*See Specification 8031-P-360, Rev. 13

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SP-DCD-212-K4 H9, SH 1.	UNR- LEAVITT	202157	N/A	TS 6X6	N/A	REPLACE- MENT	NO
SP-DCD-212-K4 H9, SH 1	UNR- LEAVITT	22806	N/A	TS 4x4 (EAST)	N/A	REPLACE- MENT	NO
SP-DCD-212-K4 H9, SH 1	UNR- LEAVITT	22806	N/A	TS 4x4 (WEST)	N/A	REPLACE- MENT	NO
SP-DCD-212-K4 H9, SH 1	UNR- LEAVITT	22806	N/A	TS 4x4 (BOT)	N/A	REPLACE- MENT	NO
SP-DCD-212-K4 H9, SH 1	UNR- LEAVITT	939256	N/A	TS 4x2 (TOP)	N/A	REPLACE- MENT	NO
SP-DCD-212-K4 H9, SH 1	UNR- LEAVITT	939256	N/A	TS 4x2 (BOT)	N/A	REPLACE- MENT	NO
SP-DCD-212-K4 H9, SH 1	CONSOLIDATED POWER	1G126A6BA	N/A	1/2" PLT (TOP EAST)	N/A	REPLACE- MENT	NO
SP-DCD-212-K4 H9, SH 1	CONSOLIDATED POWER	1G126A6BA	N/A	1/2" PLT (BOT EAST)	N/A	REPLACE- MENT	NO
SP-DCD-212-K4 H9, SH 1	CONSOLIDATED POWER	1G126A6BA	N/A	1/2" PLT (TOP WEST)	N/A	REPLACE- MENT	NO
SP-DCD-212-K4 H9, SH 1	CONSOLIDATED POWER	1G126A6BA	N/A	1/2" PLT (BOT WEST)	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 DS1, SH 1, H4	BAYOU STEEL CORP	19322	N/A	SHIM PLT (NORTH)	N/A	REPLACE- MENT	NO
SP-DCD-212-K4 DS1, SH 1, H4	BAYOU STEEL CORP	19322	N/A	SHIM PLT (SOUTH)	N/A	REPLACE- MENT	NO

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

1. Owner PHILADELPHIA ELECTRIC COMPANY
Name
2301 Market Street, Phila, PA. 19101
Address

Date May 5, 1993

Sheet 6 of 12

2. Plant Limerick Generating Station
Name
P.O. Box 2300, Pottstown, PA. 19464
Address

Unit TWO

PECo MOD 5816-2
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company
Name
2301 Market Street, Phila, PA. 19101
Address

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Control Rod Drive Hydraulic System Specification 8031-M-167-2 Rev. 5

5. (a) Applicable Construction Code * 19 * Edition, * 86 * Addenda, * 13 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86 and code cases N-416, 1644-9
*See Specification 8031-P-360, Rev. 13

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SP-DCD-212-K5 H10, SH 1.	UNR-LEAVITT	22806	N/A	TS 4x4 (EAST VERT)	N/A	REPLACEMENT	NO
SP-DCD-212-K5 H10, SH 1	UNR-LEAVITT	22806	N/A	TS 4x4 (EAST HOZ)	N/A	REPLACEMENT	NO
SP-DCD-212-K5 H10, SH 1	UNR-LEAVITT	22806	N/A	TS 4x4 (WEST VERT)	N/A	REPLACEMENT	NO
SP-DCD-212-K5 H10, SH 1	UNR-LEAVITT	22806	N/A	TS 4x4 (WEST HOZ)	N/A	REPLACEMENT	NO
SP-DCD-212-K5 H10, SH 1	N. W. STEEL	85743	N/A	ANGLE 4x4	N/A	REPLACEMENT	NO
SP-DCD-212-K5 H10, SH 1	BAYOU STEEL	19322	N/A	PLT PIPE STRAP	N/A	REPLACEMENT	NO
SP-DCD-212-K5 H10, SH 1	BAYOU STEEL	19322	N/A	SHIM PLATE	N/A	REPLACEMENT	NO
SP-DCD-212-K5 H11, SH 1	UNR-LEAVITT	W62230	N/A	TS 3x3 (EAST VERT)	N/A	REPLACEMENT	NO
SP-DCD-212-K5 H11, SH 1	UNR-LEAVITT	W62230	N/A	TS 3x3 (EAST HOR2)	N/A	REPLACEMENT	NO
SP-DCD-212-K5 H11, SH 1	UNR-LEAVITT	W62230	N/A	TS 3x3 (WEST VERT)	N/A	REPLACEMENT	NO
SP-DCD-212-K5 H11, SH 1	UNR-LEAVITT	W62230	N/A	TS 3x3 (WEST HOR2)	N/A	REPLACEMENT	NO
SP-DCE-212-K5 H11, SH 1	N. W. STEEL	85243	N/A	ANGLE 4x4	N/A	REPLACEMENT	NO

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

1. Owner PHILADELPHIA ELECTRIC COMPANY Date May 5, 1993
Name
2301 Market Street, Phila, PA. 19101
Address
2. Plant Limerick Generating Station Unit TWO
Name
P.O. Box 2300, Pottstown, PA. 19464
Address PECo MOD 5816-2
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Sta. N/A
Name Authorization No. N/A
2301 Market Street, Phila, PA. 19101 Expiration Date N/A
Address
4. Identification of System Control Rod Drive Hydraulic System Specification 8031-M-167-2 Rev. 5
5. (a) Applicable Construction Code * 19 * Edition, * 86 Addenda * Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86 and code cases N-416, 1644-9
 *See Specification 8031-P-360, Rev. 13
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SP-DCD-212-K5 H10, SH 1.	BAYOU STEEL	19322	N/A	PLATE PIPE STRAP	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 H11, SH 1	BAYOU STEEL	19322	N/A	SHIM PLATE	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 H14, SH 1	UNR- LEAVITT	W62230	N/A	TS 3x3	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 H14, SH 1	BAYOU STEEL	19322	N/A	PLT PIPE STRAP	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 H14, SH 1	BAYOU STEEL	19322	N/A	SHIM PLATE	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 H15, SH 1	UNR- LEAVITT	W62230	N/A	TS 3x3 (HORZ)	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 H15, SH 1	UNR- LEAVITT	W62230	N/A	TS 3x3 (VERT)	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 H15, SH 1	BAYOU STEEL	19322	N/A	PLT PIPE STRAP	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 H15, SH 1	BAYOU STEEL	19322	N/A	SHIM PLATE	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 H16, SH 1	UNR- LEAVITT	W62230	N/A	TS- 3x3	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 H16, SH 1	BAYOU STEEL	19322	N/A	PLT PIPE STRAP	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 H16, SH 1	BAYOU STEEL	19322	N/A	SHIM PLATE	N/A	REPLACE- MENT	NO

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

1. Owner PHILADELPHIA ELECTRIC COMPANY
Name

Date May 5, 1993

2301 Market Street, Phila, PA. 19101
Address

Sheet 8 of 12

2. Plant Limerick Generating Station
Name

Unit TWO

P.O. Box 2300, Pottstown, PA. 19464
Address

PECO MOD 5816-2
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company
Name

Type Code Symbol Stamp N/A

2301 Market Street, Phila, PA. 19101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System Control Rod Drive Hydraulic System Specification 8031-M-167-2 Rev. 5

5. (a) Applicable Construction Code * 19 * Edition, * Addenda * Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86 and code cases N-416, 1644-9
*See Specification 8031-P-360, Rev. 13

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SP-DCD-212-K5 H17, SH 1.	UNR- LEAVITT	W62230	N/A	TS 3x3	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 H17, SH 1	BAYOU STEEL	19322	N/A	PLT PIPE STRAP	N/A	REPLACE- MENT	NO
SP-DCD-212-K5 H17, SH 1	BAYOU STEEL	19322	N/A	SHIM PLATE	N/A	REPLACE- MENT	NO
SP-DCD-212-K6 DS1, SH 1, H2	UNR- LEAVITT	939256	N/A	TS 4x2 (TOP)	N/A	REPLACE- MENT	NO
SP-DCD-212-K6 DS1, SH 1, H2	UNR- LEAVITT	939256	N/A	TS 4x2 (BOT)	N/A	REPLACE- MENT	NO
SP-DCD-212-K6 DS1, SH 1, H2	CONSOLIDATED POWER	1G126A6BA	N/A	1/2" PLT (TOP EAST)	N/A	REPLACE- MENT	NO
SP-DCD-212-K6 DS1, SH 1, H2	CONSOLIDATED POWER	1G126A6BA	N/A	1/2" PLT (BOT EAST)	N/A	REPLACE- MENT	NO
SP-DCD-212-K6 DS1, SH 1, H2	CONSOLIDATED POWER	1G126A6BA	N/A	1/2" PLT (TOP WEST)	N/A	REPLACE- MENT	NO
SP-DCD-212-K6 DS1, SH 1, H2	CONSOLIDATED POWER	1G126A6BA	N/A	1/2" PLT (BOT WEST)	N/A	REPLACE- MENT	NO
SP-DCD-212-K6 DS1, SH 1, H3	BAYOU STEEL	19322	N/A	SHIM PLT (NORTH)	N/A	REPLACE- MENT	NO
SP-DCD-212-K6 DS1, SH 1, H3	BAYOU STEEL	19322	N/A	SHIM PLT (SOUTH)	N/A	REPLACE- MENT	NO
SP-DCD-212-K6 DS1, SH 1, H5	BAYOU STEEL	19322	N/A	SHIM PLT (NORTH)	N/A	REPLACE- MENT	NO

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

1. Owner PHILADELPHIA ELECTRIC COMPANY Date May 5, 1993
Name
2301 Market Street, Phila, PA. 19101
Address
2. Plant Limerick Generating Station Unit TWO
Name
P.O. Box 2300, Pottstown, PA. 19464
Address PECo MOD 5816-2
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name Authorization No. N/A
2301 Market Street, Phila, PA. 19101 Expiration Date N/A
Address
4. Identification of System Control Rod Drive Hydraulic System Specification 8031-M-167-2 Rev. 5
5. (a) Applicable Construction Code * 19 * Edition, * 86 * Addenda, * Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86 and code cases N-416, 1644-9
 *See Specification 8031-P-360, Rev. 13
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SP-DCD-212-K6 DS1, SH 1, H5	BAYOU STEEL	19322	N/A	SHIM PLT (SOUTH)	N/A	REPLACE- MENT	NO
SP-DCD-212-K1 DS1, SH 1, H6	BAYOU STEEL	19322	N/A	SHIM PLT (NORTH)	N/A	REPLACE- MENT	NO
SP-DCD-212-K1 DS1, SH 1, H6	BAYOU STEEL	19322	N/A	SHIM PLT (SOUTH)	N/A	REPLACE- MENT	NO
SP-DCD-212-K1 DS1, SH 1, H7	BAYOU STEEL	19322	N/A	PLT PIPE STRAP	N/A	REPLACE- MENT	NO
SP-DCD-212-K1 H9, SH 1	UNR- LEAVITT	939256	N/A	TS 4x2 (TOP)	N/A	REPLACE- MENT	NO
SP-DCD-212-K1 H9, SH 1	UNR- LEAVITT	939256	N/A	TS 4x2 (BOT)	N/A	REPLACE- MENT	NO
SP-DCD-212-K1 H9, SH 1	CONSOLIDATED POWER	1G126A6BA	N/A	1/2" PLT (TOP EAST)	N/A	REPLACE- MENT	NO
SP-DCD-212-K1 H9, SH 1	CONSOLIDATED POWER	1G126A6BA	N/A	1/2" PLT (BOT EAST)	N/A	REPLACE- MENT	NO
SP-DCD-212-K1 H9, SH 1	CONSOLIDATED POWER	1G126A6BA	N/A	1/2" PLT (TOP WEST)	N/A	REPLACE- MENT	NO
SP-DCD-212-K1 H9, SH 1	CONSOLIDATED POWER	1G126A6BA	N/A	1/2" PLT (BOT WEST)	N/A	REPLACE- MENT	NO
SP-DCD-212-K2 DS1, SH 1, H4	BAYOU STEEL	19322	N/A	SHIM PLT (NORTH)	N/A	REPLACE- MENT	NO
SP-DCD-212-K2 DS1, SH 1, H4	BAYOU STEEL	19322	N/A	SHIM PLT (SOUTH)	N/A	REPLACE- MENT	NO

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

1. Owner PHILADELPHIA ELECTRIC COMPANY
Name

Date May 5, 1993

2301 Market Street, Phila, PA. 19101
Address

Sheet 10 of 12

2. Plant Limerick Generating Station
Name

Unit TWO

P.O. Box 2300, Pottstown, PA. 19464
Address

PECo MOD 5816-2
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company
Name

Type Code Symbol Stamp N/A

2301 Market Street, Phila, PA. 19101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System Control Rod Drive Hydraulic System Specification 8031-M-167-2 Rev. 5

5. (a) Applicable Construction Code * 19 * Edition, * Addenda, * Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86 and code cases N-416, 1644-9
*See Specification 8031-P-360, Rev. 13

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SP-DCD-212-K2 H10, SH 1	BAYOU STEEL	19322	N/A	PLT PIPE STRAP	N/A	REPLACE- MENT	NO
SP-DCD-212-K2 H10, SH 1	BAYOU STEEL	19322	N/A	SHIM PLATE	N/A	REPLACE- MENT	NO
SP-DCD-212-K2 H11, SH 1	BAYOU STEEL	19322	N/A	PLT PIPE STRAP	N/A	REPLACE- MENT	NO
SP-DCD-212-K2 H11, SH 1	BAYOU STEEL	19322	N/A	SHIM PLATE	N/A	REPLACE- MENT	NO
SP-DCD-212-K2 H14, SH 1	UNR- LEAVITT	W62230	N/A	TS 3x3	N/A	REPLACE- MENT	NO
SP-DCD-212-K2 H14, SH 1	BAYOU STEEL	19322	N/A	PLT PIPE STRAP	N/A	REPLACE- MENT	NO
SP-DCD-212-K2 H14, SH 1	BAYOU STEEL	19322	N/A	SHIM PLATE	N/A	REPLACE- MENT	NO
SP-DCD-212-K2 H15, SH 1	UNR- LEAVITT	W62230	N/A	TS 3x3	N/A	REPLACE- MENT	NO
SP-DCD-212-K2 H15, SH 1	BAYOU STEEL	19322	N/A	PLT PIPE STRAP	N/A	REPLACE- MENT	NO
SP-DCD-212-K2 H15, SH 1	BAYOU STEEL	19322	N/A	SHIM PLATE	N/A	REPLACE- MENT	NO
SP-DCD-212-K2 H16, SH 1	UNR- LEAVITT	W62230	N/A	TS 3x3	N/A	REPLACE- MENT	NO
SP-DCD-212-K2 H16, SH 1	BAYOU STEEL	19322	N/A	PLT PIPE STRAP	N/A	REPLACE- MENT	NO

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

1. Owner PHILADELPHIA ELECTRIC COMPANY Date May 5, 1993
Name
2301 Market Street, Phila, PA. 19101
Address
2. Plant Limerick Generating Station Unit TWO
Name
P.O. Box 2300, Pottstown, PA. 19464
Address PECo MOD 5816-2
Repair Organization P.D. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name Authorization No. N/A
2301 Market Street, Phila, PA. 19101 Expiration Date N/A
Address
4. Identification of System Control Rod Drive Hydraulic System Specification 8031-M-167-2 Rev. 5
5. (a) Applicable Construction Code 19 * Edition, 86 * Addenda, 86 * Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86 and code cases N-416, 1644-9
 *See Specification 8031-P-360, Rev. 13
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SP-DCD-212-K2 H16, SH 1	BAYOU STEEL	19322	N/A	SHIM PLATE	N/A	REPLACE- MENT	NO
SP-DCD-212-K2 H17, SH 1	UNR- LEAVITT	W62230	N/A	TS 3x3	N/A	REPLACE- MENT	NO
SP-DCD-212-K2 H17, SH 1	BAYOU STEEL	19322	N/A	PLT PIPE STRAP	N/A	REPLACE- MENT	NO
SP-DCD-212-K2 H17, SH 1	BAYOU STEEL	19322	N/A	SHIM PLATE	N/A	REPLACE- MENT	NO
SP-DCD-212-K3 DS1, SH 1, H2	UNR- LEAVITT	939256	N/A	TS 4x2 (TOP)	N/A	REPLACE- MENT	NO
SP-DCD-212-K3 DS1, SH 1, H2	UNR- LEAVITT	939256	N/A	TS 4x2 (BOT)	N/A	REPLACE- MENT	NO
SP-DCD-212-K3 DS1, SH 1, H2	CONSOLIDATED POWER	1G126A6BA	N/A	1/2" PLT (TOP EAST)	N/A	REPLACE- MENT	NO
SP-DCD-212-K3 DS1, SH 1, H2	CONSOLIDATED POWER	1G126A6BA	N/A	1/2" PLT (BOT EAST)	N/A	REPLACE- MENT	NO
SP-DCD-212-K3 DS1, SH 1, H2	CONSOLIDATED POWER	1G126A6BA	N/A	1/2" PLT (TOP WEST)	N/A	REPLACE- MENT	NO
SP-DCD-212-K3 DS1, SH 1, H2	CONSOLIDATED POWER	1G126A6BA	N/A	1/2" PLT (BOT WEST)	N/A	REPLACE- MENT	NO
SP-DCD-212-K3 DS1, SH 1, H3	BAYOU STEEL	19322	N/A	SHIM PLT (NORTH)	N/A	REPLACE- MENT	NO
SP-DCD-212-K3 DS1, SH 1, H3	BAYOU STEEL	19322	N/A	SHIM PLT (SOUTH)	N/A	REPLACE- MENT	NO

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

1. Owner Philadelphia Electric Company Date March 16, 1993
 Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
 Address

2. Plant Limerick Generating Station Unit LG2
 Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo WO # R0458203
 Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
 Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
 Address Expiration Date N/A

4. Identification of System 049 RCIC Line No. HBB-201.2 049-2F001

5. (a) Applicable Construction Code Draft Pump & Valve 1968 Edition, March 1970 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1/4" NPT Pipe Plug	Energy Steel	Heat No. 008E	N/A	*114-79171	N/A	Replacement	No
1/4" NPT Pipe Plug	HUB, Inc.	Heat No. 8653169	N/A	*114-94785	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Replaced commercial steel leakoff plugs with ASME materials and seal weld

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 920 psi Test Temp N/A F

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

FORM NIS-2 (BACK)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D. L. Schmitt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10-14-92 to 6-4-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul [Signature] Commissions PA 2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 4 JUNE 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0133665
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System 049 RCIC Line No. HBB-245 049-2F068

5. (a) Applicable Construction Code ASME III 1971 Edition, S-73 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Disc	Velan	6409	N/A	*114-33435	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Replaced disc, disc nut, and cage assembly

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 920** psi Test Temp. N/A °F
**Turbine inlet pressure.

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

FORM NIS-2 (BACK)

9 Remarks Manufacturer's Data Report is attached to W/O Package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11-12-92 to 5-6-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Bennett
Inspector's Signature

Commissions PA 2497 I,N&A
National Board, State, Province, and Endorsements

Date 6 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # C0077639
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 051 RHR Line No. HBB-260 HV-051-231

5. (a) Applicable Construction Code ASME III 1971 Edition, S-71 Addenda 1516, 1567, 1622 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1/2" NPT Pipe Plug	Consolidated Power	Heat No. 337TNR	N/A	*114-79168	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Replaced leakoff plug

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 0 psi Test Temp. N/A °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11-12-92 to 5-11-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]

Inspector's Signature

Commissions PA 2497 I,N&A
National Board, State, Province, and Endorsements

Date 11 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name

2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name

P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0087569 C0087525
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name

2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System Q51 RHR Line No. GBB-208 FO-051-221A&B

5. (a) Applicable Construction Code ASME III 1974 Edition, W-74 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1/2" SS Orifice	Consolidated	Heat No. 1X10B	N/A	*114-66337	N/A	Replacement	No

*Traceability per PECo Part Code No.

7. Description of Work: Replaced flow orifices with spacer plates.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure

Other Pressure 225 psi Test Temp. N/A °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.K. Schweitzer for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 6-24-92 to 6-3-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions PA 2497 I&N
National Board, State, Province, and Endorsements

Date 4 JULIE 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
 Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
 Address

2. Plant Limerick Generating Station Unit LG2
 Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # R0460296
 Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
 Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
 Address Expiration Date N/A

4. Identification of System 051 RHR Line No. GBB-201-1 051-2F031A

5. (a) Applicable Construction Code ASME III 1971 Edition, S-71 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1/2" NPT Pipe Plug	Energy Steel	Heat No. 008E	N/A	*114-79171	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Replaced commercial steel leakoff plugs with ASME materials and seal weld

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 150 psi Test Temp. N/A °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11-13-92 to 6-4-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 4 JUNE 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # R0460425
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 051 RHR Line No. GBB-218-2 051-2F090A

5. (a) Applicable Construction Code ASME III 1971 Edition, W-73 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Disc	Velan Valve	Heat No. 6247	N/A	*114-33943	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Replaced disc, disc nut, and cage assembly.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 173 psi Test Temp. N/A °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-7-93 to 5-3-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 3 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # C0140703
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 051 RHR Line No. GBB-201 HV-C-051-2F048A

5. (a) Applicable Construction Code ASME III 1974 Edition, S-75 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(2) 1/2" NPT Pipe Plugs	Consolidated Power	Heat No. 337TNR	N/A	*114-79168	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Replaced upper and lower leakoff plugs

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 215 psi Test Temp. N/A °F

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report is attached to W/O Package.
Applicable Manufacturer's Data Reports to be attached
2. A/R A0724791 initiated to address packing leakage at upper leakoff plug threaded connection.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 16 FEB 93 to 6 MAY 93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 6 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # C0131586
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 051 RHR Line No. EBB-221-2 HV-051-2F052A

5. (a) Applicable Construction Code ASME III 1974 Edition, W-74 Addenda, 1516-1, 1567, 1622, 1692 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1/2" NPT Pipe Plug	Consolidated Power	Heat No. 337TNR	N/A	*114-79168	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Replaced commercial steel leakoff plug with ASME material and seal weld.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1000 psi Test Temp. N/A °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmidt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-4-92 to 6-3-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2497 I, N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 3 JUL 19 93

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

1. Owner Philadelphia Electric Company Date April 5, 1993
Name

2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 3
Address

2. Plant Limerick Generating Station Unit 2
Name

P.O. Box 2300, Sanatoga, PA 19464-2300 PECo MOD 6147-2
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name

2301 Market Street, Philadelphia, PA 19101 Authorization No. NA
Address Expiration Date NA

4. Identification of System Residual Heat Removal

5. (a) Applicable Construction Code ASME Sec. III 1974 Edition, Winter 1974 Addenda, N-416 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1988

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
18" x 6" Waldolet	WFI Nuclear Products	HT#360RNF	NA	GBB-218-2	NA	Replacement	No
6" Pipe	U.S.Steel	X05937	NA	GBB-218-2	NA	Replacement	No
6" 90° Elbow	Ladish	DT6T	NA	GBB-218-2	NA	Replacement	No
6" Pipe	U.S.Steel	X05937	NA	GBB-218-2	NA	Replacement	No
6" Gate Valve	Borg Werner	51697	NA	051-2178	1979	Replacement	Yes

7. Description of Work Cross connection between RHR and Fire Protection Systems

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure

Other Pressure 330 psi Test Temp. 80 °F.

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

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

1. Owner Philadelphia Electric Company Date April 5, 1993
Name

2301 Market Street, Philadelphia, PA 19101 Sheet 2 of 3
Address

2. Plant Limerick Generating Station Unit 2
Name

P.O. Box 2300, Sanatoga, PA 19464-2300 PECo MOD 6147-2
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name

2301 Market Street, Philadelphia, PA 19101 Authorization No. NA
Address Expiration Date NA

4. Identification of System Residual Heat Removal

5. (a) Applicable Construction Code ASME Sec. III 1974 Edition, Winter 1974 Addenda, N-416 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
6" pipe	U.S.Steel	X05937	NA	GBB-218-2	NA	Replacement	No
6" Check Valve	Anchor Darling	E6318-67-3	NA	051-2177	1979	Replacement	Yes
6" Pipe	U.S.Steel	X05937	NA	GBB-218-2	NA	Replacement	No
1/2" Half Coupling	Bonney Forge	DB14	NA	GBB-218-2	NA	Replacement	No
5/8" HH Nut	John Smit	215	NA	051-2177	NA	Replacement	No

7. Description of Work Cross connection between RHR and Fire Protection Systems

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure

Other Pressure 330 psi Test Temp. 80 °F.

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

FORM NIS-2 (BACK)

9. Remarks Replacements were performed in accordance with ASME Section XI, Code Case N-416,
Applicable Manufacturer's Data Reports to be attached

MDCP 6147-2 and ERRFs L-2906, L-2918, L-2981, L-2992, L-3000, L-3014, L-3018, L-3021, L-3025 and L-3031.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate Authorization No. NA Expiration Date _____

Signed [Signature] Date APRIL 4, 19 93
MGR CONTRACT
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 10-22-92 to 4-5-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 5 APR 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # R0468121
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 055 HPCI Line No. SP-EBB-229-E2 055-2048

5. (a) Applicable Construction Code ASME III 1977 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1 1/2" Check Valve	Rockwell International	BH098	N/A	N/A	1982	Replacement	Yes

7. Description of Work: Removed existing body to cover seal weld for IST inspection. Installed new body to cover seal weld

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1140 psi Test Temp. N/A °F

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

FORM NIS-2 (BACK)

B. Remarks Manufacturer's Data Report is attached to W/O Package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-12-93 to 5-12-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2497 I.N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 12 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0088884
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System 055 HPCI Line No. HBB-209-1 HV-055-2F042

5. (a) Applicable Construction Code ASME III 1971 Edition, S-71 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1/2" NPT Pipe Plug	Consolidated Power	Heat No. 337TNR	N/A	*114-79168	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Replaced commercial steel leakoff plug with ASME material and seal weld.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 22 (ft) psi Test Temp. N/A °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-18-93 to 5-11-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 11 MAY 1993

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0131606
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System 055 HPCI Line No. EBB-234-1 HV-055-2F011

5. (a) Applicable Construction Code ASME III 1971 Edition, S-73 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1985

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1/2" NPT Pipe Plug	Consolidated Power	Heat No. 337TNR	N/A	*114-79168	N/A	Replacement	No

*Traceability per PECo Part Code No.

7. Description of Work: Replaced commercial seal leakoff plug with ASME material

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1140 psi Test Temp. N/A °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/D Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-18-93 to 6-3-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Schmitt Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 3 JUNE : 9 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
 Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
 Address

2. Plant Limerick Generating Station Unit LG2
 Name
P.O. Box 2300, Senatoga, PA 19464-2300 PECo - WO # R0469086
 Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
 Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
 Address Expiration Date N/A

4. Identification of System 055 HPCI Line No. SP-EBB-229-E1 055-2F078

5. (a) Applicable Construction Code ASME III 1974 Edition, W-75 Addenda, N-154 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1996

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2" Check Valve	Rockwell International	AB868	N/A	N/A	1978	Replacement	Yes

7. Description of Work: Removed existing body to cover seal weld for IST inspection. Installed new body to cover seal weld.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 1140 psi Test Temp. N/A °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-18-93 to 5-3-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Bernau Commissions PA 2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 3 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # CD132094
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 056 HPCI Pump/Turbine Line No. SP-GBB 222 E1 PCV-056-2F035

5. (a) Applicable Construction Code ASME III 1974 Edition, W-76 Addenda N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
5/16" x 1 1/2" Bolt	Target Rock	Heat No. 37894	N/A	*114-77686	1992	Replacement	No
Flange	Target Rock	S/N-3	N/A	*114-77685	1992	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: ASM: parts reclassification/rework valve internals

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 59 psi Test Temp. N/A °F

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

2. Reference NCR LG-92 00230

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D. L. Schmitt for Maintenance Engineer Date March 16 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I & I Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10-1-92 to 5-10-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul H. ... Commissions PA 2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 10 MAY 1993

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # C0131430
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System 057 CAC Line No. SP-HCB-216-E7 057-2088

5. (a) Applicable Construction Code ASME III 1974 Edition, S-75 Addenda, 1796 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2" SCH40 SMLS Pipe	Consolidated Power	Heat No. 9E4495	N/A	*114-90021	N/A	Replacement	No
2" 1500# Globe Valve	Edwards Valve	81AFJ	N/A	*114-93519	N/A	Replacement	Yes

*Traceability per PECO Part Code No.

7. Description of Work: Replaced valve and adjacent pipe.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 80 psi Test Temp. 66 °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmitt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-18-93 to 5-18-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Bernau Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 18 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECo - WO # C0135250
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System D60 Primary Containment Leak Testing Line No. Unit 2 Diaphragm Slab

5. (a) Applicable Construction Code ASME III 1974 Edition, S-76 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1985

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(4) 1/2" NPT Pipe Plugs	Tioga Pipe	Heat No. DC52	N/A	*110-92633	N/A	Replacement	No
(5) 1/2" NPT Pipe Plugs	Consolidated Power	Heat No. 337TNR	N/A	*114-79168	N/A	Replacement	No
(1) 1/2" NPT Pipe Plug	Bechtel, Inc.	Heat No. 8085485	N/A	*114-79173	N/A	Replacement	No

*Traceability per PECo Part Code No.

7. Description of Work: Replaced 10 pipe plugs in diaphragm slab.

8. Tests conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []
Other [X]** Pressure 45 psi Test Temp. N/A °F
**ILRT

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

FORM NIS-2 (BACK)

9. Remarks 1. Pennsylvania Special Vessel, ASME Section III, Division 2.
Applicable Manufacturer's Data Reports to be attached

2. Data Report not required.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmidt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3-12-93 to 5-18-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul A. ... Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 18 MAY 19 93

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

1. Owner Philadelphia Electric Company Date March 16, 1993
 Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
 Address

2. Plant Limerick Generating Station Unit LG2
 Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECo - WO # C0088890
 Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp N/A
 Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. N/A
 Address Expiration Date N/A

4. Identification of System 061 Liquid Radwaste Collection Line No. HBB-265-1 HV-061-231

5. (a) Applicable Construction Code ASME III 1971 Edition, S-71 Addenda, 1516, 1567, 1622 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1/2" NPT Pipe Plug	Consolidated Power	Heat No. 337TNR	N/A	*114-79168	N/A	Replacement	No

*Traceability per PECO Part Code No.

7. Description of Work: Replaced commercial seal leakoff plug with ASME material

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 70 (gal) psi Test Temp. N/A °F

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

FORM NIS-2 (BACK)

9. Remarks Manufacturer's Data Report is attached to W/O Package
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D.L. Schmidt for Maintenance Engineer Date March 16, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-18-93 to 5-17-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Schmitt Commissions PA 2497 I,N&A
Inspector's Signature National Board, State, Province, and Endorsements

Date 17 MAY 1993

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

1. Owner Philadelphia Electric Company Date February 24, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2
2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Seratoga, PA 19464-2300 Address PECO - WO # C0140509
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. NA
Expiration Date NA
4. Identification of System Sys 103/001 Snubber/Main Turbine Line No. STG-2MS-04
5. (a) Applicable Construction Code ASME III 19 77 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-35 MECH SNUBBER	Pacific Scientific	12815	None	NA	NA	Replaced	Yes
PSA-35 MECH SNUBBER	Pacific Scientific	9330	None	Part # 1801112-13	1982	Replacement	Yes

7. Description of Work Replacement of snubber on Equipment No. STG-2MS-H001
8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report to WC Package CO140509.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed K.P. Combs for Maintenance Engineer Date MARCH 1 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 2-18-93 to 3-22-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Benanti Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 22 MAR 19 93

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

1. Owner Philadelphia Electric Company Date March 05, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address
2. Plant Lincoln Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECO - WO# C0140498
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name Authorization No. NA
2301 Market Street, Philadelphia, PA 19101 Expiration Date NA
Address
4. Identification of System Sys 103/001 Snubber/Main Turbine Line No. STG-2MS-01
5. (a) Applicable Construction Code ASME III 1977 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1985 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-35 MECH SNUBBER	PACIFIC SCIENTIFIC	1289	NONE	NA	NA	REPLACED	YES
PSA-35 MECH SNUBBER	PACIFIC SCIENTIFIC	8682	NONE	PART NO. 1801112-13	1981	REPLACEMENT	YES

7. Description of Work Replacement of snubber on Equipment No. STG-2MS-001
8. Tests conducted: Hydraulic Pneumatic Nominal Operating Pressure
Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's data report is attached to WC Package CO140498.
Applicable Manufacturer's Data Reports to be attached
2. NCR LG-93-00080.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed K.P. Conner for Maintenance Engineer Date MARCH 15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 2-18-93 to 3-22-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 22 MAR 19 93

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

1. Owner Philadelphia Electric Company Date March 05, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2
2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanetoga, PA 19464-2300 Address PECO - WO# C0140501
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name Authorization No. NA
2301 Market Street, Philadelphia, PA 19101 Address Expiration Date NA
4. Identification of System Sys 103/001 Snubber/Main Turbine Line No. STG-2MS-04
5. (a) Applicable Construction Code ASME III 1977 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1977 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-35 MECH SNUBBER	PACIFIC SCIENTIFIC	12814	NONE	NA	NA	REPLACED	YES
PSA-35 MECH SNUBBER	PACIFIC SCIENTIFIC	7440	NONE	PART NO. 1801112-09	1981	REPLACEMENT	YES

7. Description of Work Replacement of snubber on Equipment No. STG-2MS-H0208. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's data report is attached to WG Package CO140501.
Applicable Manufacturer's Data Reports to be attached
2. NCR LG-93-00080.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed K.P. Concom for Maintenance Engineer Date MARCH 15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 2-18-93 to 3-22-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Penney Commissions PA-2497 I&N

Inspector's Signature National Board, State, Province, and Endorsements

Date 22 MAR 19 93

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

1. Owner Philadelphia Electric Company Date March 05, 1993
Name
- 2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address
2. Plant Limerick Generating Station Unit LG2
Name
- P.O. Box 2300, Sanatoga, PA 19464-2300 PECO - WO# C0140502
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by: Philadelphia Electric Company Type Code Symbol Stamp NA
Name Authorization No. NA
2301 Market Street, Philadelphia, PA 19101 Expiration Date NA
Address
4. Identification of System Sys 103/001 Snubber/Main Turbine Line No. STG-2MS-01
5. (a) Applicable Construction Code ASME III 1977 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-35 MECH SNUBBER	PACIFIC SCIENTIFIC	12779	NONE	NA	NA	REPLACED	YES
PSA-35 MECH SNUBBER	PACIFIC SCIENTIFIC	8674	NONE	PART NO. 1801112-13	1981	REPLACEMENT	YES

7. Description of Work Replacement of snubber on Equipment No. STG-2MS-H021(A)
8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
- Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's data report is attached to WO Package C0140502.
2. NCR LG-93-00080.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed K.P. Concannon for Maintenance Engineer
Date March 15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 2-18-93 to 3-22-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Herwitz Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 22 MAR 19 93

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

1. Owner Philadelphia Electric Company Date March 05, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Senatoga, PA 19464-2300 Address PECO - WO# C0140504
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name Authorization No. NA
2301 Market Street, Philadelphia, PA 19101 Address Expiration Date NA

4. Identification of System Sys 103/001 Snubber/Main Turbine Line No. STG-2MS-02

5. (a) Applicable Construction Code ASME III 1977 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

5. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-35 MECH SNUBBER	PACIFIC SCIENTIFIC	12780	NONE	NA	NA	REPLACED	YES
PSA-35 MECH SNUBBER	PACIFIC SCIENTIFIC	12910	NONE	PART NO. 1801112-09	1987	REPLACEMENT	YES

7. Description of Work Replacement of snubber on Equipment No. STG-2MS-H021(B)

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's data report is attached to WO Package CO140504.
2. NCR LG-93-00080.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed H. J. Concan for Maintenance Engineer Date March 13, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 2-18-93 to 3-22-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Concan Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 22 MAR 19 93

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

1. Owner Philadelphia Electric Company Date March 05, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2
2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECO - WO# C0140505
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name Authorization No. NA
2301 Market Street, Philadelphia, PA 19101 Address Expiration Date NA
4. Identification of System Sys 103/001 Snubber/Main Turbine Line No. STG-2MS-03
5. (a) Applicable Construction Code ASME III 1977 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1985 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-35 MECH SNUBBER	PACIFIC SCIENTIFIC	12782	NONE	NA	NA	REPLACED	YES
PSA-35 MECH SNUBBER	PACIFIC SCIENTIFIC	7614	NONE	PART NO. 1801112-09	1981	REPLACEMENT	YES

7. Description of Work Replacement of snubber on Equipment No. STG-2MS-H022(A)
8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's data report is attached to WO Package CO140505
2. NCR LG-93-00080.
- Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed HP Corcoran for Maintenance Engineer Date March 13, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 2-18-93 to 3-22-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Henner Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 22 MAR 19 93

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

1. Owner Philadelphia Electric Company Date March 05, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address
2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Senetoga, PA 19464-2300 PECO - WO# C0140506
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name Authorization No. NA
2301 Market Street, Philadelphia, PA 19101 Expiration Date NA
Address
4. Identification of System Sys 103/001 Snubber/Main Turbine Line No. STG-2MS-03
5. (a) Applicable Construction Code ASME III 1977 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-35 MECH SNUBBER	PACIFIC SCIENTIFIC	12781	NONE	NA	NA	REPLACED	YES
PSA-35 MECH SNUBBER	PACIFIC SCIENTIFIC	7575	NONE	PART NO. 1801112-09	1981	REPLACEMENT	YES

7. Description of Work Replacement of snubber on Equipment No. STG-2MS-H022(B)
8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's data report is attached to WO Package CO140506.
2. NCR LG-93-00080.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA
for Maintenance Engineer

Signed B.P. Conner Date MARCH 15 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 2-18-93 to 3-22-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Conner Jr. Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 22 MAR 19 93

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

1. Owner Philadelphia Electric Company Date January 29, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECO - WO # C0131364
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. NA
Address Expiration Date NA

4. Identification of System Sys 103/008 Snubber/Condensate Line No. HCD-205-2

5. (a) Applicable Construction Code ANSI B31.7 19 69 Edition, 1971 Addenda, NA Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-3 MECH SNUBBER	Pacific Scientific	21120	None	NA	NA	Replaced	Yes
PSA-3 MECH SNUBBER	Pacific Scientific	17274	None	Part # 1801106-05	NA	Replacement	No

7. Description of Work Replacement of snubber on equipment no. HCD-205-H015A

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturers Certificate of Compliance attached to WO Package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed K.P. Conner for Maintenance Engineer Date Feb 19, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 1-13-93 to 2-25-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Conner Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 25 FEB 19 93

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

1. Owner Philadelphia Electric Company Date February 19, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address
2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanetoga, PA 19464-2300 PECO - WO # C0131385
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. NA
Address Expiration Date NA
4. Identification of System Sys 103/008 Snubber/Condensate Line No. HCD-205-2
5. (a) Applicable Construction Code ASME III 19 77 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-3 MECH SNUBBER	Pacific Scientific	21079	None	NA	NA	Replaced	Yes
PSA-3 MECH SNUBBER	Pacific Scientific	11698	None	Part # 1801106-05	1980	Replacement	Yes

7. Description of Work Replacement of snubber on Equipment No. HCD-205-H015B
8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure NA psi Test Temp. NA °F.

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

FORM NPS 101-201

9. Remarks 1. Manufacturer's Certificate of Compliance attached to WO Package CO131365.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed K.P. Concan for Maintenance Engineer Date Feb 23, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 1-13-93 to 2-25-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Benary Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 25 FEB 19 93

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

1. Owner Philadelphia Electric Company Date February 19, 1993
Name
- 2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address
2. Plant Limerick Generating Station Unit LG2
Name
- P.O. Box 2300, Sanetoga, PA 19464-2300 PECO - WO # C0140199
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
- 2301 Market Street, Philadelphia, PA 19101 Authorization No. NA
Address Expiration Date NA
4. Identification of System Sys 103/041 Snubber/Nuclear Boiler Line No. DCA-237-E02
5. (a) Applicable Construction Code ASME III 19 77 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-1/4 MECH SNUBBER	Pacific Scientific	20706	None	NA	NA	Replaced	Yes
PSA-1/4 MECH SNUBBER	Pacific Scientific	25665	None	Part # 1801104-05	1982	Replacement	Yes

7. Description of Work Replacement of snubber on Equipment No. DCA-237-E02-H001.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure

Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Date Report attached to WO Package C0140199.
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed H.P. Concan for Maintenance Engineer Date Feb 24 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 1-13-93 to 2-26-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Benoit Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 26 FEB 19 93

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

1. Owner Philadelphia Electric Company Date February 18, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Senetoga, PA 19464-2300 Address PECO - WO # C0140215
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. NA
Expiration Date NA

4. Identification of System Sys 103/041 Snubber/Nuclear Boiler Line No. DCA-240-E02

5. (a) Applicable Construction Code ASME III 19 77 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-1/4 MECH SNUBBER	Pacific Scientific	20696	None	NA	NA	Replaced	Yes
PSA-1/4 MECH SNUBBER	Pacific Scientific	20466	None	Part # 1801104-05	1981	Replacement	Yes

7. Description of Work Replacement of snubber on Equipment No. DCA-240-E02-H001 (A)

8 Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report attached to WO Package CO140215.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed B.P. Conner for Maintenance Engineer Date Feb 24, 19 92
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 1-13-93 to 2-26-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 26 FEB 19 93

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

1. Owner Philadelphia Electric Company Date February 19, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2
2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanetoga, PA 19464-2300 Address PECO - WO # C0131196
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. NA
Expiration Date NA
4. Identification of System Sys 103/041 Snubber/Nuclear Boiler Line No. DCA-244-E03
5. (a) Applicable Construction Code ASME III 19 77 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

5. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-1/4 MECH SNUBBER	Pacific Scientific	25662	None	NA	NA	Replaced	Yes
PSA-1/4 MECH SNUBBER	Pacific Scientific	22321	None	Part # 1801104-05	1981	Replacement	Yes

7. Description of Work Replacement of snubber on Equipment No. DCA-244-E03-H0028. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report attached to WO Package CO131196.
Applicable Manufacturer's Data Reports to be attached
2. NCR L93-00047

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed K.P. Conroy for Maintenance Engineer Date Feb 23, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 1-13-93 to 2-25-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

K. A. G. [Signature] Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 25 FEB 1993

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

1. Owner Philadelphia Electric Company Date February 19, 1993
Name
- 2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address
2. Plant Limerick Generating Station Unit LG2
Name
- P.O. Box 2300, Sanatoga, PA 19464-2300 PECO - WO # C0140127
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
- 2301 Market Street, Philadelphia, PA 19101 Authorization No. NA
Address Expiration Date NA
4. Identification of System Sys 103/D41 Snubber/Nuclear Boiler Line No. DLA-206-E1
5. (a) Applicable Construction Code ASME III 1977 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-1/4 MECH SNUBBER	Pacific Scientific	15281	None	NA	NA	Replaced	Yes
PSA-1/4 MECH SNUBBER	Pacific Scientific	20645	None	Part # 1801104-05	1981	Replacement	Yes

7. Description of Work Replacement of snubber on Equipment No. DLA-206-E01-H002

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure

Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report attached to WO Package CO140127.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed H.P. Conway for Maintenance Engineer Date Feb 24, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 1-13-93 to 2-26-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 26 FEB 19 93

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

1. Owner Philadelphia Electric Company Date February, 19, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2
2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 Address PECO - WO # C0133014
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. NA
Expiration Date NA
4. Identification of System Sys 103/041 Snubber/Nuclear Boiler Line No. DBB-212-1
5. (a) Applicable Construction Code ASME III 19 77 Edition, S77 Addenda, 1644-5 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-3 MECH SNUBBER	Pacific Scientific	17145	None	NA	NA	Replaced	Yes
PSA-3 MECH SNUBBER	Pacific Scientific	21115	None	Part # 1801106-05	1982	Replacement	Yes

7. Description of Work Replacement of snubber on Equipment No. DBB-212-H004
8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report attached to WO Package CO133014.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed H.P. Conroy for Maintenance Engineer Date Feb 23 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 1-13-93 to 2-25-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Henrich Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 25 FEB 19 93

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

1. Owner Philadelphia Electric Company Date February 19, 1993
Name
- 2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address
2. Plant Limerick Generating Station Unit LG2
Name
- P.O. Box 2300, Sanatoga, PA 19464-2300 PECO - WO # C0140216
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
- 2301 Market Street, Philadelphia, PA 19101 Authorization No. NA
Address Expiration Date NA
4. Identification of System Sys 1, 3/042 Snubber/Nuclear Boiler Line No. DCA-292-E01
5. (a) Applicable Construction Code ASME III 1977 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-1/2 MECH SNUBBER	Pacific Scientific	17678	None	NA	NA	Replaced	Yes
PSA-1/2 MECH SNUBBER	Pacific Scientific	16666	None	Part # 1801104-07	1982	Replacement	Yes

7. Description of Work Replacement of snubber on Equipment No. DCA-292-E01-H006

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure

Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report attached to WO Package CO140216.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed B.P. Coneman for Maintenance Engineer Date Feb 25, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 1-13-93 to 2-26-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Kervick Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 26 FEB 19 93

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

1. Owner Philadelphia Electric Company Date February 19, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address
2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Senatoga, PA 19464-2300 PECO - WO # C0140208
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. NA
Address Expiration Date NA
4. Identification of System Sys. 103/043 Snubber/Reactor Rec. Line No. DCA-217-E02
5. (a) Applicable Construction Code ASME III 1977 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-1/4 MECH SNUBBER	Pacific Scientific	15283	None	NA	NA	Replaced	Yes
PSA-1/4 MECH SNUBBER	Pacific Scientific	20083	None	Part # 1801104-05	1981	Replacement	Yes
1 LOAD PIN 1/4" X 2 1/4"	NA	*114-92886	None	NA	NA	Replacement	No

7. Description of Work Replacement of snubber and Load Pin on Equipment No. DCA-217-E02-H003. *Traceability per PECO Part No.
8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report attached to WO Package C0140208.
Applicable Manufacturer's Data Reports to be attached
2. Load Pin is a catalog item.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed K.P. Concannon for Maintenance Engineer Date Feb 24, 19 1993
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 2-18-93 to 22 MAR 93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Demain Jr. Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 22 MAR 19 93

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

1. Owner Philadelphia Electric Company Date February 19, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Senatoga, PA 19464-2300 Address PECO - WO # C0140212
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. NA
Expiration Date NA

4. Identification of System Sys 103/043 Snubber/Reactor Rec. Line No. DCA-231-E01

5. (a) Applicable Construction Code ASME III 19 77 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-1/4 MECH SNUBBER	Pacific Scientific	20660	None	NA	NA	Replaced	Yes
PSA-1/4 MECH SNUBBER	Pacific Scientific	25736	None	Tag # 1801104-05	1982	Replacement	Yes

7. Description of Work Replacement of snubber on Equipment No. DCA-231-E01-H009

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report attached to WO Package CO140212.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed K.P. Conner for Maintenance Engineer Date Feb 23 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 1-13-93 to 2-25-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Beran Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 25 FEB 19 93

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

1. Owner Philadelphia Electric Company Date February 19, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address
2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanetoga, PA 19464-2300 PECO - WO # C0133435
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. NA
Address Expiration Date NA
4. Identification of System Sys 103/043 Snubber/Reactor Rec. Line No. DCA-276-E01
5. (a) Applicable Construction Code ASME III 19 77 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-1/4 MECH SNUBBER	Pacific Scientific	14929	None	NA	NA	Replaced	Yes
PSA-1/4 MECH SNUBBER	Pacific Scientific	25768	None	Part # 1801104-05	1982	Replacement	Yes

7. Description of Work Replacement of snubber on Equipment No. DCA-276-E01-H003
8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report attached to WO Package C0133435.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] for Maintenance Engineer Date Feb 23, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 1-13-93 to 2-25-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions: PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 25 FEB 19 93

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

1. Owner Philadelphia Electric Company Date February 19, 1993
Name
- 2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address
2. Plant Limerick Generating Station Unit LG2
Name
- P.O. Box 2300, Sanatoga, PA 19454-2300 PECO - WO # C0131414
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
- 2301 Market Street, Philadelphia, PA 19101 Authorization No. NA
Address Expiration Date NA
4. Identification of System Sys 103/044 Snubber/RWCU Line No. DCA-201-1
5. (a) Applicable Construction Code ASME III 19 77 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-10 MECH SNUBBER	Pacific Scientific	17496	None	NA	NA	Replaced	Yes
PSA-10 MECH SNUBBER	Pacific Scientific	17505	None	Part # 1801103-07	1986	Replacement	Yes

7. Description of Work Replacement of snubber on Equipment No. DCA-201-H073(A)
8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
- Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report attached to WO Package CO131414.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed K.P. Conner for Maintenance Engineer Date Feb 23 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 1-13-93 to 2-25-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Denau Commissions PA-2497 I&N
Inspector's Signature National Code, State, Province, and Endorsements

Date 25 FEB 19 93

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

1. Owner Philadelphia Electric Company Date February 24, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2
2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Senatoga, PA 19464-2300 Address PECO - WO # C0140389
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. NA
Expiration Date NA
4. Identification of System Sys 103/044 Snubber/RWCU Line No. DCA-423-E01
5. (a) Applicable Construction Code ASME III 1977 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-1/4 MECH SNUBBER	Pacific Scientific	14938	None	NA	NA	Replaced	Yes
PSA-1/4 MECH SNUBBER	Pacific Scientific	20740	None	Part No. 1801104-05	1981	Replacement	Yes

7. Description of Work Replacement of Snubber on Equipment No. DCA-423-E01-H0018. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturers' Data Report to WO Package C0140389
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed K.P. Concan for Maintenance Engineer 3-1, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 2-18-93 to 3-22-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Renard Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 22 MAR 19 93

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

1. Owner Philadelphia Electric Company Date February 19, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Senatoga, PA 19464-2300 Address PECO - WO # C0133304
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. NA
Expiration Date NA

4. Identification of System Sys 103/D44 Snubber/RWCU Line No. DBB-212-1

5. (a) Applicable Construction Code ASME III 19 77 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-1/2 MECH SNUBBER	Pacific Scientific	16543	None	NA	NA	Replaced	Yes
PSA-1/2 MECH SNUBBER	Pacific Scientific	16544	None	Part # 1801104-07	1982	Replacement	Yes

7. Description of Work Replacement of snubber on Equipment No. DBB-212-H001 (A)

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report attached to WO Package CO133304.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed K.P. Concannon for Maintenance Engineer Date Feb 24, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 1-13-93 to 2-26-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Stenwig Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 26 FEB 19 93

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

1. Owner Philadelphia Electric Company Date February 19, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address
2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECO - WO # C0131392
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. NA
Address Expiration Date NA
4. Identification of System Sys 103/051 Snubber/RHR Line No. DCA-205-E02
5. (a) Applicable Construction Code ASME III 19 77 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-1/4 MECH SNUBBER	Pacific Scientific	25715	None	NA	NA	Replaced	Yes
PSA-1/4 MECH SNUBBER	Pacific Scientific	25791	None	Part # 1801104-05	1982	Replacement	Yes

7. Description of Work Replacement of snubber on Equipment No. DCA-205-E02-H0028. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report attached to WO Package CO131392.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed K.P. Conroy for Maintenance Engineer Date Feb 23 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 1-13-93 to 2-25-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Henan Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 25 FEB 19 93

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

1. Owner Philadelphia Electric Company Date March 05, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Senatoga, PA 19464-2300 Address PECO - WO # C0133710 Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. NA
Expiration Date NA

4. Identification of System Sys 103/05 / Snubber/RHR Line No. EBB-221-E02

5. (a) Applicable Construction Code ANSI B31.7 19 69 Edition, THRU 71 Addenda, NA Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(1)LOAD PIN 1/2" X 2-7/8"	NA	*114-32887	None	NA	NA	Replacement	No

7. Description of Work Replacement of load pin on Equipment No. EBB-221-E02-H007

*Traceability per PECO Part No.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

8. Remarks 1. Load pin is a catalog item. (WO# C0133710).
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed H.P. Concan for Maintenance Engineer Date MARCH 9 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 2-18-93 to 3-22-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commission PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 22 MAR 19 93

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

1. Owner Philadelphia Electric Company Date February 19, 1993
Name
- 2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address
2. Plant Limerick Generating Station Unit LG2
Name
- P.O. Box 2300, Senatoga, PA 19464-2300 PECO - WO # C0131342
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
- 2301 Market Street, Philadelphia, PA 19101 Authorization No. NA
Address Expiration Date NA
4. Identification of System Sys 103/051 Snubber/RHR Line No. GBB-205-1
5. (a) Applicable Construction Code ASME III 19 77 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-35 MECH SNUBBER	Pacific Scientific	12807	None	NA	NA	Replaced	Yes
PSA-35 MECH SNUBBER	Pacific Scientific	7425	None	Part # 1801112-09	1981	Replacement	Yes

7. Description of Work Replacement of snubber on Equipment No. GBB-205-H007
8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
- Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report is attached to WO Package C0131342.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed K.P. Concom for Maintenance Engineer Date Feb 23, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 1-13-93 to 2-25-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Kerwin Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 25 FEB 19 93

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

1. Owner Philadelphia Electric Company Date February 19, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address
2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatoga, PA 19464-2300 PECO - WO # C0140213
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
2301 Market Street, Philadelphia, PA 19101 Authorization No. NA
Address Expiration Date NA
4. Identification of System Sys 103/051 Snubber/RHR Line No. SBD-251-E79
5. (a) Applicable Construction Code ASME III 1977 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

5. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PS 4-1/4 MECH SNUBBER	Pacific Scientific	22324	None	NA	NA	Replaced	Yes
PSA-1/4 MECH SNUBBER	Pacific Scientific	20524	None	Part # 1801104-05	1981	Replacement	Yes

7. Description of Work Replacement of snubber on Equipment No. SBD-251-E79-H001
8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report attached to WO Package CO140213.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed K.P. Concan for Maintenance Engineer Date Feb 25, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 1-13-93 to 2-26-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Bennett Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 26 FEB 19 93

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

1. Owner Philadelphia Electric Company Date February 19, 1993
Name

2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address

2. Plant Limerick Generating Station Unit LG2
Name

P.O. Box 2300, Sanatoga, PA 19464-2300 PECO - WO # C0140210
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name

2301 Market Street, Philadelphia, PA 19101 Authorization No. NA
Address Expiration Date NA

4. Identification of System Sys 103/052 Snubber/Core Spray Line No. DCA-411-E01

5. (a) Applicable Construction Code ASME III 19 77 Edition, W77 Addenda, 1644-6 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-1/4 MECH SNUBBER	Pacific Scientific	20499	None	NA	NA	Replaced	Yes
PSA-1/4 MECH SNUBBER	Pacific Scientific	22333	None	Part # 1801104-05	1981	Replacement	Yes

7. Description of Work Replacement of snubber on Equipment No. DCA-411-E01-H009

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure

Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report attached to WO Package CO140210.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed K.P. Concannon or Maintenance Engineer Date Feb 24, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 1-13-93 to 2-26-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul H. ... Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 26 FEB 19 93

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

1. Owner Philadelphia Electric Company Date February 19, 1993
Name _____
- 2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address _____
2. Plant Limerick Generating Station Unit LG2
Name _____
- P.O. Box 2300, Sanatoga, PA 19464-2300 PECO - WO# C0131355
Address _____ Repair Organization P.O. No., Job No., etc. _____
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name _____ Authorization No. NA
2301 Market Street, Philadelphia, PA 19101 Expiration Date NA
Address _____
4. Identification of System Sys 103/052 Snubber/Core Spray Line No. GBB-213-2
5. (a) Applicable Construction Code ASME III 1977 Edition, W77 Addenda, 1644-6 Code Case _____
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-3 MECH SNUBBER	PACIFIC SCIENTIFIC	21115	NONE	NA	NA	REPLACED	YES
PSA-3 MECH SNUBBER	PACIFIC SCIENTIFIC	17052	NONE	PART NO. 1801106-05	1981	REPLACEMENT	YES

7. Description of Work Replacement of snubber on Equipment No. GBB-213-H013A
8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
- Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's data report is attached to WO Package CO131355.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed K.P. Concan for Maintenance Engineer Date Feb 23 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 1-13-93 to 2-25-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 25 FEB 19 93

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

1. Owner Philadelphia Electric Company Date January 28, 1993
Name
- 2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address
2. Plant Limerick Generating Station Unit LG2
Name
- P.O. Box 2300, Sanetoga, PA 19464-2300 PECO - WO # C0131356
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
- 2301 Market Street, Philadelphia, PA 19101 Authorization No. NA
Address Expiration Date NA
4. Identification of System Sys 103/052 Snubber/Core Spray Line No. GBB-216-02
5. (a) Applicable Construction Code ASME III 1974 Edition, W76 Addenda, 1644-5 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-3 MECH SNUBBER	Pacific Scientific	3030	None	NA	NA	Replaced	Yes
PSA-3 MECH SNUBBER	Pacific Scientific	2296	None	Part # 1801106-05	NA	Replacement	No

7. Description of Work Replacement of snubber on equipment no. GBB-213-H013B
8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
- Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturers Certificate of Compliance attached to WO Package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed R.P. Concannon Date Feb 17, 19 93
for Maintenance Engineer
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 1-13-93 to 2-25-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Bennett Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 25 FEB 19 93

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

1. Owner Philadelphia Electric Company Date February 19, 1993
Name
- 2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address
2. Plant Limerick Generating Station Unit LG2
Name
- P.O. Box 2300, Sanatoga, PA 19464-2300 PECO - WO # C0131344
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
- 2301 Market Street, Philadelphia, PA 19101 Authorization No. NA
Address Expiration Date NA
4. Identification of System Sys 103/Q53 Snubber/FPC Line No. GCC-201-1
5. (a) Applicable Construction Code ASME III 19 77 Edition, S77 Addenda, 1644-5 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1985 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-35 MECH SNUBBER	Pacific Scientific	12910	None	NA	NA	Replaced	Yes
PSA-35 MECH SNUBBER	Pacific Scientific	9090	None	Part # 1801112-09	1982	Replacement	Yes

7. Description of Work Replacement of snubber on Equipment No. GCC-201-H003A8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report is attached to WO Package CO131344.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed K.P. Concom for Maintenance Engineer Date Feb 23, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 1-13-93 to 2-25-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 25 FEB 19 93

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

1. Owner Philadelphia Electric Company Date February 19, 1993
Name
- 2301 Market Street, Philadelphia, PA 19101 Sheet 1 of 2
Address
2. Plant Limerick Generating Station Unit LG2
Name
- P.O. Box 2300, Sanetoga, PA 19464-2300 PECO - WO # C0131345
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
- 2301 Market Street, Philadelphia, PA 19101 Authorization No. NA
Address Expiration Date NA
4. Identification of System Sys 103/053 Snubber/FPC Line No. GCC-201-1
5. (a) Applicable Construction Code ASME III 19 77 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-35 MECH SNUBBER	Pacific Scientific	12909	None	NA	NA	Replaced	Yes
PSA-35 MECH SNUBBER	Pacific Scientific	5956	None	Part # 1801112-11	1980	Replacement	Yes

7. Description of Work Replacement of snubber on Equipment No. GCC-201-H003B
8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
- Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report is attached to WO Package C0131345.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed K.P. Concan for Maintenance Engineer Date Feb 23, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 1-13-93 to 2-25-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Concan Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 25 FEB 19 93

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

1. Owner Philadelphia Electric Company Date February 19, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2

2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanetoga, PA 19464-2300 Address PECO - WO # C0140211
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. NA
Expiration Date NA

4. Identification of System Sys 103/053 Snubber/Fuel Pool Cooling Line No HBC-209-E01

5. (a) Applicable Construction Code ASME III 19 77 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-1/4 MECH SNUBBER	Pacific Scientific	20678	None	NA	NA	Replaced	Yes
PSA-1/4 MECH SNUBBER	Pacific Scientific	25642	None	Part # 1801104-05	1982	Replacement	Yes

7. Description of Work Replacement of snubber on Equipment No. HBC-209-E01-H004

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report attached to WO Package C0140211.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed H.P. Concan for Maintenance Engineer Date Feb 23, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 1-13-93 to 2-25-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Puckerman A Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 25 FEB 19 93

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

1. Owner Philadelphia Electric Company Date February 19, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2
2. Plant Limerick Generating Station Unit LG2
Name
P. O. Box 2300, Sanetoga, PA 19464-2300 Address PECO - WO # C0131361
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. NA
Expiration Date NA
4. Identification of System Sys 103/053 Snubber/FPC Line No. HCC-205-1
5. (a) Applicable Construction Code ASME III 19 77 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-1/2 MECH SNUBBER	Pacific Scientific	13905	None	NA	NA	Replaced	Yes
PSA-1/2 MECH SNUBBER	Pacific Scientific	16531	None	Part # 1801104-07	1982	Replacement	Yes

7. Description of Work Replacement of snubber on Equipment No. HCC-205-H009A
8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report is attached to WO Package CO131351.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed K.P. Conner for Maintenance Engineer Date Feb 23, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 1-13-93 to 2-25-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Herant Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 25 FEB 19 93

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

1. Owner Philadelphia Electric Company Date February 19, 1993
Name
2301 Market Street, Philadelphia, PA 19101 Address Sheet 1 of 2
2. Plant Limerick Generating Station Unit LG2
Name
P.O. Box 2300, Sanatogo, PA 19464-2300 Address PECO - WO # C0131363
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Philadelphia Electric Company Type Code Symbol Stamp NA
Name
2301 Market Street, Philadelphia, PA 19101 Address Authorization No. NA
Expiration Date NA
4. Identification of System Sys 103/053 Snubber/FPC Line No. HCC-205-1
5. (a) Applicable Construction Code ASME III 19 77 Edition, W77 Addenda, 1644-6 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-1/2 MECH SNUBBER	Pacific Scientific	13907	None	NA	NA	Replaced	Yes
PSA-1/2 MECH SNUBBER	Pacific Scientific	16479	None	Part # 1801104-07	1982	Replacement	Yes

7. Description of Work Replacement of snubber on Equipment No. HCC-205-H009(B)
8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure NA psi Test Temp. NA °F.

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

FORM NIS-2 (BACK)

9. Remarks 1. Manufacturer's Data Report is attached to WO Package CO131363.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed K.P. Coneman for Maintenance Engineer Date Feb 23, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by H.S.B.I. & I. Company of Hartford, CT have inspected the components described in this Owner's Report during the period 1-13-93 to 2-25-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul Korman Commissions PA-2497 I&N
Inspector's Signature National Board, State, Province, and Endorsements

Date 25 FEB 19 93