

# NUCLEAR ENGINEERING

<u>DATE OF NIS 2</u>	<u>SYSTEM NO</u>	<u>DESCRIPTION OF WORK PERFORMED</u>	<u>PAGE #</u>
02-05-90 To 02-15-90	33	Replacement of emergency service water piping and valves per MOD 2106	17

## MOD 2106 INDEX

<u>SYSTEM</u>	<u>PAGE #</u>
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### HPCI

Small Bore FSK-M-3033	Sht 15	17
	Sht 16	20
	Sht 105	23
	Sht 106	26
	Sht 107	29
	Sht 108	32
	Sht 109	35
	Sht 110	39
	Sht 111	42
	Sht 112	45

### RCIC

Small Bore FSK-M-3033	Sht 17	48
	Sht 18	52
	Sht 19	55
	Sht 59	59
	Sht 60	61
	Sht 61	64
	Sht 62	68
	Sht 63	71
	Sht 64	74

9004100110 900322  
PDR ADCK 05000278  
Q PDC

## TORUS

Large Bore ISO -	3-33-4	Sht 1	78
	3-33-4	Sht 2	80
	3-33-5	Sht 1	83
	3-33-5	Sht 2	86
	3-33-6	Sht 1	89
	3-33-6	Sht 2	92
	3-33-7		94
	3-33-8		96
	3-33-12		99
	3-33-13		102
	3-33-14		104
	3-33-15		107
	3-33-16		109
	3-33-17		111
	3-33-18		114
	3-33-19		116
	3-33-20		119
	3-33-21		121

Small Bore FSK-M-3033	Sht 113	124
	Sht 114	126
	Sht 115	129
	Sht 116	131
	Sht 117	133
	Sht 118	135
	Sht 119	138
	Sht 120	140

## A - RHR

Large Bore ISO -	3-33-24	142
	3-33-25	144
	3-33-30	147
	3-33-31	150

Small Bore FSK-M-3033	Sht 3	153
	Sht 12	156
	Sht 14	159
	Sht 101	161
	Sht 103	164
	Sht 104	166



**B - RHR**

Large Bore ISO -	3-33-22		169
	3-33-23		172
	3-33-29		174

Small Bore FSK-M-3033	Sht	2	176
	Sht	10	179
	Sht	44	182
	Sht	50	186
	Sht	93	189
	Sht	94	192
	Sht	95	194

**C - RHR**

Large Bore ISO -	3-33-34	Sht	1	196
	3-33-34	Sht	2	199
	3-33-35			202
	3-33-36			204

Small Bore FSK-M-3033	Sht	1	206
	Sht	54	209
	Sht	96	211
	Sht	97	215
	Sht	98	218
	Sht	99	220
	Sht	100	223

**D - RHR**

Large Bore ISO -	3-33-32			226
	3-33-33	Sht	1	228
	3-33-33	Sht	2	230
	3-33-37			234

Small Bore FSK-M-3033	Sht	4	236
	Sht	5	239
	Sht	6	242
	Sht	13	245
	Sht	91	247
	Sht	92	250

**A - CORE SPRAY**

Small Bore FSK-M-3033	Sht	20	252
	Sht	28	256
	Sht	29	259
	Sht	32	262
	Sht	65	265
	Sht	66	268
	Sht	67	271
	Sht	68	274
	Sht	69	277
	Sht	70	280

## **B - CORE SPRAY**

Large Bore ISO -	3-33-28		284
Small Bore FSK-M-3033	Sht 22		286
	Sht 26		289
	Sht 76		292
	Sht 77		295
	Sht 78		298
	Sht 79		301
	Sht 80		304
	Sht 81		307
	Sht 82		310
	Sht 83		313

## **C - CORE SPRAY**

Large Bore ISO -	3-33-26		316
	3-33-27		318
Small Bore FSK-M-3033	Sht 21		320
	Sht 27		323
	Sht 34		326
	Sht 71		329
	Sht 72		332
	Sht 73		335
	Sht 74		338
	Sht 75		341

## **D - CORE SPRAY**

Small Bore FSK-M-3033	Sht 23		343
	Sht 24		346
	Sht 25		348
	Sht 84		351
	Sht 85		354
	Sht 86		357
	Sht 87		360
	Sht 88		363
	Sht 89		367
	Sht 90		371

## CONSTRUCTION

<u>DATE OF NIS 2</u>	<u>SYSTEM NO</u>	<u>DESCRIPTION OF WORK PERFORMED</u>	<u>PAGE #</u>
<b>Main Steam &amp; Turbine</b>			
12-12-89	01	Replaced MO-3-02-079 per MOD 1744	1
11-10-89	01	Discharge piping from RV-71G was rerouted per NCR 89950	2
<b>Reactor Recirc</b>			
10-17-89	02	Replaced Unit 3 recirc snubbers SS-6A, SS-6B, SS-2B per MRF 8905764, 8905765, & 8905767.	4
11-15-89	02	Replaced bonnet and valve internal HV-3-02-016 per MRF 8907946.	6
10-10-89	02	Replaced bonnet and valve internals HV-3-02-015 per MRF 807944	8
<b>CRD</b>			
08-04-89	03	Replacement of CRD flange bolts per NCR-89556-312	10
<b>CORE Spray</b>			
07-27-89	14	Removed RV-3-14-020B tested, repaired, retested and replaced per MRF 8762330	13
07-25-89	14	Removed RV-3-14-020A tested, repaired, retested and replaced per MRF 872329	15



FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT  
As Required by the Provisions of ASME Code Section XI

1. Owner Philadelphia Electric Company Date December 12, 1989  
2301 Market St. Philadelphia Pa. 19101 Sheet 1 of Continued
2. Plant Peach Bottom Atomic Power Station Unit Three  
Delta, PA. 17314
3. Work Performed by Philadelphia Electric Co. Modification Installation Section  
2301 Mkt. St. Phila PA 19101 Report Organization P.O. No., Job No., etc. Mod 1744
4. Identification of System Main Steam
5. (a) Applicable Construction Code ANSI B31.1 19 83 Edition Summer 1985 Addenda, Code Cases -  
(b) Applicable Edition of Section XI Utilized for Repair or Replacement - 19 80 Winter Addenda, Code Cases -
6. Identification of Components Repaired or Replaced, and Replacement Components 81

Name of Component	Name of Mfr.	Mfr. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3" Gate Valve	Anchor Darling	6938-23-1	-	-	-	1988	Replacement	Yes

7. Description of Work Replace 3" Main Steam Drain Valve MO-3-02-079
8. Tests Conducted: ☒ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐  
Pressure 1120 psi Test Temp Ambient
9. Remarks Upstream Weld Hydrostatically Tested/Downstream  
Weld in Service Leak Tested

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code.  
Signed R. Simpson Lead Mechanical Engineer Dec. 12, 19 89  
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF 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 employed by Hartford Steam Boiler Inc - 2236 of Hartford, Ct. have inspected the Replacement described in this Report on 12/7/89 Dec. 7, 1989 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.  
Date Dec 12, 1989 [Signature] Commissions A-2463 NB7592  
(Inspector) (State or Province, National Board)

Notes: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) also is 8 1/2 in. X 11 in., (2) information in items 1 through 4 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



Unit 3

1A

Receiv. Organization: P. O. Box 100, N.Y. 100

### 5. Identification of Components: Repaired or Replaced and Replacement Components

## FORM NIS-2 (Back)

5. Tests Conducted:

Hydrostatic ☐Pneumatic ☒Nominal Operating Pressure ☐Other ☒ NCR-89950Pressure APPRX 3 psTest Temp. AMBIENT °F

6. Remarks

THE 10 DIAMETER RELIEF DISCHARGE PIPING FROM RV-716, WAS REROUTED IN THE AREA OF THE -A-SULFONIC RECIKE RISER JUST BELOW THE EL. 135' GRATING, TO CLEAR A POSTULATED THERMAL INTERFERENCE WITH A 1" DIAMETER PRESSURE SENSING LINE FROM THE RECIKE RISER AT FULL POWER.

- EXCESSIVE MANUFACTURER'S DATA REQUIRED TO BE ASSIGNED

## 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.

Type Code Symbol Stamp

NA

Certificate of Authorization No.

NA

Expiration Date

NA

Signed

R. Robinson

MECH/INST ENG. SUPV. Date

11/1719 89

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 Hartford Steam Boiler Insp + Ins-6 of Hartford, CT. have inspected the components described in this Owner's Report during the period Nov. 7, 1989 to Nov. 15, 1989 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

Commission NB 7592 PA 2163

National Board, State, Province, and Designation

Date Nov. 29 19 89

# FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT

As Required by the Provisions of ASME Code Section XI

1. Owner: Philadelphia Electric Company Date: 10/17/89  
(Name)  
2301 Market Street Philadelphia, PA Sheet 1 of 2  
(Address)
2. Plant: Peach Bottom Atomic Power Station Units: 3  
(Name)
3. Work Performed by: Philadelphia Electric Company Maintenance Department  
(Name) Repair Organization  
Rd. 1 Delta, PA 17314  
(Address)
4. Identification of System: Unit 3 Recirculation A, B Pumps
5. (a) Applicable Construct Code B31.1 1967 Edition, N/A Addenda, Code Cases N/A  
(b) Applicable Edition of Section XI utilized for Repairs or Replacements,  
1980 Edition thru Winter 1981 Addenda, Code Cases N-308
6. Identification of Components Repaired or Replaced, and Replacement Components:

NAME OF COMPONENT	NAME OF MFR	MFR or OWNER SERIAL NUMBER	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED, OR REPLACEMENT	PART IDENTIFICATION	ASME CODE STAMPED (YES OR NO)
SS-6A	Pacific Scientific	7984	Shock Arrestor		Replacement	1801112-13	No
SS-6A	Pacific Scientific	N/A	Clevis Assembly		Replacement	1801601-05	No
SS-6A	Pacific Scientific	N/A	PSA-35 Pipe		Replacement	1802319-63	No
SS-6A	Pacific Scientific	N/A	Weld Adapter		Replacement	1801945-01-279	No
SS-6B	Pacific Scientific	7980	Shock Arrestor		Replacement	1801112-13	No
SS-6B	Pacific Scientific	N/A	Clevis Assembly		Replacement	1801601-15	No
SS-6B	Pacific Scientific	N/A	PSA-35 Pipe		Replacement	1802329-63	No
SS-6B	Pacific Scientific	N/A	Weld Adapter		Replacement	1801945-01-279	No



# FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT

As Required by the Provisions of ASME Code Section XI

Identification of System: Unit 3 Recirculation A, B Pumps Sheet 2 of 2

NAME OF COMPONENT	NAME OF MFR	MFR or OWNER SERIAL NUMBER	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED, OR REPLACEMENT	PART IDENTIFICATION	ASME CODE STAMPED (YES OR NO)
SS-2B	Pacific Scientific	7985	Shock Arrestor		Replacement	1801112-13	No
SS-2B	Pacific Scientific	N/A	Clevis Assembly		Replacement	1801601-05	No
SS-2B	Pacific Scientific	N/A	PSA-35 Pipe		Replacement	1802319-58	No
SS-2B	Pacific Scientific	N/A	Weld Adapter		Replacement	1801945-01-279	No

7. Description of Work: Replacement of hydraulic to mechanical shock arrestor

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

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

## CERTIFICATE OF COMPLIANCE

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

Signed W.D. Hammond Title Maintenance/IEC Eng Date 10/31/89, 19\_\_\_\_  
(Owner or Owner's Designee)

## CERTIFICATE OF 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, employed by H.S.B. I & I Co. of Hartford, CT have inspected the Replacements described in this Report on 10/14, 1989, and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in the Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date: Oct. 31, 1989 (Inspector) Commissions PA 2163 / NB 7592 (State or Province, National Board)



# FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT

As Required by the Provisions of ASME Code Section XI

1. Owner: Philadelphia Electric Company Date: 11/15/89  
(Name)  
2301 Market Street Philadelphia, PA Sheet 1 of 2  
(Address)
2. Plant: Peach Bottom Atomic Power Station Unit: 3  
(Name)
3. Work Performed by: Philadelphia Electric Company Maintenance Department  
(Name) Repair Organization  
Rd. 1 Delta, PA 17314  
(Address)
4. Identification of System: Reactor Recirculation - System 02
5. (a) Applicable Construct Code ANSI B31.1 1967 Edition, N/A Addenda, Code Cases N/A  
(b) Applicable Edition of Section XI utilized for Repairs or Replacements,  
1980 Edition thru Winter 1981 Addenda, Code Cases N-308
6. Identification of Components Repaired or Replaced, and Replacement Components:

NAME OF COMPONENT	NAME OF MFR	MFR. SERIAL NUMBER	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED, OR REPLACEMENT	PART IDENTIFICATION	ASME CODE STAMPED (YES OR NO)
HV-3-02-016	Rockwell	28ABY	-----	--	Replaced	GS392290 130868	No

7. Description of Work: MRF#8907946 - Replaced bonnet and valve internals of HV-3-02-016
8. Test Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐  
Pressure 1000 psi Test Temp. 195 °F
9. Remarks: N/A  
(Applicable Manufacturer's Data Reports to be attached)

# FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT

As Required by the Provisions of ASME Code Section XI

Identification of System: Reactor Recirculation - System 02 Sheet 2 of 2  
DATE 11-15-89

## CERTIFICATE OF COMPLIANCE

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

Signed Mark E. Warrall Owner/Engineer 11/4, 19 90  
(Owner or Owner's Designee) Title Date

## CERTIFICATE OF 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, employed by HSB I & L Co  
of Hartford, CT have inspected the Replacement described in this Report on  
(Repairs or Replacements)  
10-12-89, 19 89, and state that to the best of my knowledge and belief, this repair  
or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this  
certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning  
the repair or replacement described in the Report. Furthermore, neither the Inspector nor his employer  
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising  
from or connected with this inspection.

Date: 11/4/90 [Signature] Commissions PA 2163 NB 7572  
(Inspector) (State or Province, National Board)

# FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT

As Required by the Provisions of ASME Code Section XI

1. Owner: Philadelphia Electric Company Date: 10/10/89  
(Name)  
2301 Market Street Philadelphia, PA Sheet 1 of 2  
(Address)
2. Plant: Peach Bottom Atomic Power Station Unit: 3  
(Name)
3. Work Performed by: Philadelphia Electric Company Maintenance Department  
(Name) Repair Organization  
Rd. 1 Delta, PA 17314  
(Address)
4. Identification of System: Reactor Recirculation - System 02
5. (a) Applicable Construct Code ANSI B31.1 1967 Edition, N/A Addenda, Code Cases N/A  
(b) Applicable Edition of Section XI utilized for Repairs or Replacements,  
1980 Edition thru Winter 1981 Addenda, Code Cases N-308
6. Identification of Components Repaired or Replaced, and Replacement Components:

NAME OF COMPONENT	NAME OF MFR	MFR. SERIAL NUMBER	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED, OR REPLACEMENT	PART IDENTIFICATION	ASME CODE STAMPED (YES OR NO)
HV-3-02-015	Rockwell	36ABY	-----	--	Replaced	06392290 130868	No

7. Description of Work: MRF #8907944 - Replaced Bonnet and Valve Internals of HV-3-02-015
8. Test Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐  
Pressure 1000 psi Test Temp. 145 °F
9. Remarks: N/A  
(Applicable Manufacturer's Data Reports to be attached)

# FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT

As Required by the Provisions of ASME Code Section XI

Identification of System: Reactor Recirculation - System 02 Sheet 2 of 2

DATE 10-10-89

## CERTIFICATE OF COMPLIANCE

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

Signed Mark E. Warner MANUFACTURING ENGINEER 1/4, 19 90  
(Owner or Owner's Designee) Title Date

## CERTIFICATE OF 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, employed by HSDI + I Co of Hartford, Ct have inspected the Replacement described in this Report on (Repairs or Replacements)  
OCT. 12, 19 89, and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in the Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date: 1/4/90 [Signature] Commissions PA 2163 NB 7542  
(Inspector) (State or Province, National Board)



# FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT

As Required by the Provisions of ASME Code Section XI

1. Owner: Philadelphia Electric Company Date: 8/4/89  
(Name)  
955-65 Chesterbrook Boulevard Wayne, PA 19087 Sheet 1 of 3  
(Address)
2. Plant: Peach Bottom Atomic Power Station Unit: 3  
(Name)
3. Work Performed by: Philadelphia Electric Company Maintenance Department  
(Name) Repair Organization  
Rd. 1 Delta, PA 17314  
(Address)
4. Identification of System: Control Rod Drive - System 03
5. (a) Applicable Construct Code B31.1 1967 Edition, N/A Addenda, Code Cases N/A  
(b) Applicable Edition of Section XI utilized for Repairs or Replacements,  
1980 Edition thru Winter 1981 Addenda, Code Cases N-308
6. Identification of Components Repaired or Replaced, and Replacement Components:

NAME OF COMPONENT	NAME OF MFR	MFR or OWNER SERIAL NUMBER	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED, OR REPLACEMENT	PART IDENTIFICATION	ASME CODE STAMPED (YES OR NO)
CRD 42-43	G.E. Co.	--	8 CRD Flange bolts	---	Replaced	GS279702-127651(6) GS279702-127679(2)	No
CRD 02-27	G.E. Co.	--	1 CRD Flange bolt	---	Replaced	GS279702-127747	No
CRD 50-15	G.E. Co.	--	1 CRD Flange bolt	---	Replaced	GS279702-127651	No
CRD 42-51	G.E. Co.	--	1 CRD Flange bolt	---	Replaced	GS279702-127651	No
CRD 46-55	G.E. Co.	--	8 CRD Flange bolts	---	Replaced	GS231411-11B617	No
CRD 42-55	G.E. Co.	--	8 CRD Flange bolts	---	Replaced	GS279702-127679	No
CRD 34-59	G.E. Co.	--	8 CRD Flange bolts	---	Replaced	GS279702-127651(4) GS279702-127747(4)	No
CRD 34-47	G.E. Co.	--	8 CRD Flange bolts	---	Replaced	GS279702-127679(6) GS279702-127651(2)	No
CRD 58-23	G.E. Co.	--	8 bolts	---	Replaced	NCR #PB9556-312	No

# FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT

As Required by the Provisions of ASME Code Section XI

Identification of System: Control Rod Drive - System 03 Sheet 2 of 3

NAME OF COMPONENT	NAME OF MFR	MFR or OWNER SERIAL NUMBER	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED, OR REPLACEMENT	PART IDENTIFICATION	ASME CODE STAMPED (YES OR NO)
CRD 50-31	G.E. Co.		8 bolts		Replaced	NCR #PB9556-312	No
CRD 46-27	G.E. Co.		8 bolts		Replaced	NCR #PB9556-312	No
CRD 42-03	G.E. Co.		8 bolts		Replaced	NCR #PB9556-312	No
CRD 42-15	G.E. Co.		8 bolts		Replaced	NCR #PB9556-312	No
CRD 18-15	G.E. Co.		1 bolt		Replaced	NCR #PB9556-312	No
CRD 18-39	G.E. Co.		1 bolt		Replaced	NCR #PB9556-312	No
CRD 54-19	G.E. Co.		8 bolts		Replaced	NCR #PB9556-312	No
CRD 54-15	G.E. Co.		8 bolts		Replaced	NCR #PB9556-312	No

7. Description of Work: Exchange of CRD's and corresponding visual inspection of flange bolts resulted  
in these bolts being replaced.

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

9. Remarks: Twenty-one (21) bolts failed the visual inspection, the remaining bolts were installed on  
an as-needed basis to support the CRD exchange time frame.

# FORM NIS OWNER'S REPORT OF REPAIR OR REPLACEMENT

As Required by the Provisions of ASME Code Section XI

Identification of System: Control Rod Drive - System 03 Sheet 3 of 3

## CERTIFICATE OF COMPLIANCE

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

Signed M. J. Hammond M. J. Hammond Aug. 7, 1989  
(Owner or Owner's Designee) Title Date

## CERTIFICATE OF 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, employed by H.S.B. I & I Co.  
of Hartford, CT have inspected the replacements described in this Report on  
(Repairs or Replacements)  
Aug. 3, 1989, and state that to the best of my knowledge and belief, this repair  
or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this  
certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning  
the repair or replacement described in the Report. Furthermore, neither the Inspector nor his employer  
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising  
from or connected with this inspection.

Date: 8/5/89 M. J. Hammond Commissions PA 2163 / NB 7592  
(Inspector) (State or Province, National Board)



# FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT

As Required by the Provisions of ASME Code Section XI

1. Owner: Philadelphia Electric Company Date: 7/25/89  
(Name)  
2301 Market Street Philadelphia, PA Sheet 1 of 2  
(Address)
2. Plant: Peach Bottom Atomic Power Station Unit: 3  
(Name)
3. Work Performed by: Philadelphia Electric Company Maintenance Department  
(Name) Repair Organization  
Rd. 1 Delta, PA 17314  
(Address)
4. Identification of System: Core Spray - System 14
5. (a) Applicable Construct Code B31.1 1967 Edition, N/A Addenda, Code Cases N/A  
(b) Applicable Edition of Section XI utilized for Repairs or Replacements,  
1980 Edition thru Winter 1981 Addenda, Code Cases N-308
6. Identification of Components Repaired or Replaced, and Replacement Components:

NAME OF COMPONENT	NAME OF MFR	MFR. SERIAL NUMBER	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED, OR REPLACEMENT	PART IDENTIFICATION	ASME CODE STAMPED (YES OR NO)
2" C.S. Pipe	Rednor Alloys		Mill Order # CS-81480-A	1983	Replaced	BW369330	No
2" S/W Coupling	Ledish Co.		HT. # AM7T	1987	Replaced	BW238156	No
RV-3-14-020B	Crosby	----	-----	----	Repaired	-----	No

7. Description of Work: Removed RV-3-14-020B from Line Tested, Repaired, Retested and Welded Back in Line.
8. Test Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐  
Pressure 560 psi Test Temp. ambient °F
9. Remarks: N/A  
(Applicable Manufacturer's Data Reports to be attached)

*JS*



# FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT

As Required by the Provisions of ASME Code Section XI

Identification of System: Core Spray - System 14

Sheet 2 of 2

DATE 7-25-89

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this repair conforms to  
(repair or replacement)

Section XI of the ASME Code.

Signed Mont E. Wherry  
(Owner or Owner's Designee)

Mark G. Camp  
Mount Ensigns  
Title

3/5, 1990  
Date

## CERTIFICATE OF 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, employed by H.S.B. I & I Co.

of Hartford, CT have inspected the repairs described in this Report on  
(Repairs or Replacements)

3/5, 1990, and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in the Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date: MAR. 5, 1990

[Signature]  
(Inspector)

Commission PA 2163 / NB 7592  
(State or Province, National Board)

# FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT

As Required by the Provisions of ASME Code Section XI

1. Owner: Philadelphia Electric Company Date: 7/27/89  
(Name)  
2301 Market Street Philadelphia, PA Sheet 1 of 2  
(Address)
2. Plant: Peach Bottom Atomic Power Station Unit: 3  
(Name)
3. Work Performed by: Philadelphia Electric Company Maintenance Department  
(Name) Repair Organization  
Rd. 1 Delta, PA 17314  
(Address)
4. Identification of System: Core Spray - System 14
5. (a) Applicable Construct Code B31.1 1967 Edition, N/A Addenda, Code Cases N/A  
(b) Applicable Edition of Section XI utilized for Repairs or Replacements,  
1980 Edition thru Winter 1981 Addenda, Code Cases N-308
6. Identification of Components Repaired or Replaced, and Replacement Components:

NAME OF COMPONENT	NAME OF COMPONENT	MFR. SERIAL NUMBER	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED, OR REPLACEMENT	PART IDENTIFICATION	ASME CODE STAMPED (YES OR NO)
RV-3-14- 020A	Crosby	----	-----	----	Repaired	-----	No

7. Description of Work: Removed RV-3-14-020A From Line Tested, Repaired, Retested and Welded Back in Line.
8. Test Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐  
Pressure 560 psi Test Temp. ambient °F
9. Remarks: N/A  
(Applicable Manufacturer's Data Reports to be attached)

# FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT

As Required by the Provisions of ASME Code Section XI

Identification of System: Care Stry - System 14 Sheet 2 of 2  
 DATE 7-27-87

## CERTIFICATE OF COMPLIANCE

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

Signed Mark Warner Mechanical Engineer 3/5, 19 90  
 (Owner or Owner's Designee) Title Date

## CERTIFICATE OF 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, employed by H.B. I & I Co.  
 of Hartford, CT have inspected the repairs described in this Report on  
 (Repairs or Replacements)  
3/5, 19 90, and state that to the best of my knowledge and belief, this repair  
 or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this  
 certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning  
 the repair or replacement described in the Report. Furthermore, neither the inspector nor his employer  
 shall be liable in any manner for any personal injury or property damage or a loss of any kind arising  
 from or connected with this inspection.

Date Mar. 5, 1990 [Signature] Commissions PA 2163 / NB 7592  
 (Inspector) (State or Province, National Board)



# FORM NIS-1 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 15, 1990  
1201 Market St. Philadelphia, PA 19101 Shop 1 # 30  
 2. From Research Section Atomic Power Station Unit 1  
Certs. PA 17314 Phila. Electric NED. Mod 2106  
 3. Work Performed by Philadelphia Electric Company  
1201 Market St., Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 13  
 5. (a) Applicable Construction Code ASME III-B 80 Section Winter '81 Addenda N/A Case Code  
 (b) Applicable Edition of Section XI Used for Purpose of Assessment is 80, Winter '81 Addenda N-208 Case Code  
 6. Identification of Component Features or Assembly and Assessment Comments

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Certification	Year Built	Required, Replaced, or Replacement	ASME Code Stamped Yes or No
Small Bore HPCI				PSK-M-3033 Sht. 15			
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" x 3/4" Red Tee	BONNEY FORGE	W315	N/A	pc.#25	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" 450 Ell	BONNEY FORGE	2582	N/A	pc.#19	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#13	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#29	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#14	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2" 450 Ell	BONNEY FORGE	2582	N/A	pc.#20	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2" Plug Valve	XOMOX	R353K	N/A	pc.#28	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

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

Owner Philadelphia Electric Company Date February 15, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 2 of 3  
 Plant Beach Bottom Atomic Power Station Unit 2  
Units 2106  
Phila. Electric Nuclear Engineering  
Dept.  
 Work Performed by Philadelphia Electric Company  
2201 Market St. Philadelphia, PA, 19101  
 \* correction of system Emergency Service Water, Mechanical System No. 12  
 1. (a) Applicable Construction Code ASME III '9 80 Edition Winter '91 License N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '91 License N-308 Code Case  
 2. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore HPCI				FSK-M-3033 Sht. 15			
2" Lateral	BONNEY FORGE	W797	N/A	pc.#21	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#6	N/A	Replaced	No
2" Cap Thr'd	BONNEY FORGE	DD18	N/A	pc.#23	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#7	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#22	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#8	N/A	Replaced	No
2" Thr'd Cap	BONNEY FORGE	DD18	N/A	pc.#24	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#9	N/A	Replaced	No
2" 90° Ell	LADISH	ZWKE1	N/A	pc.#15	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#10	N/A	Replaced	No
2" 90° Ell	LADISH	BB7S	N/A	pc.#16	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#11	N/A	Replaced	No
2" 90° Ell	BONNEY FORGE	Z519	N/A	pc.#17	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#12	N/A	Replaced	No
2" 90° Ell	BONNEY FORGE	Z519	N/A	pc.#18	N/A	Replaced	No

FORM NIS-2 (Back)

1. Test Conditions

Temperature ☒ X

Pressure ☐

Leakage Clearance Pressure ☐

Other ☐

Pressure 102

in

Test Temp.

Ambient

2. Remarks

N/A

CERTIFICATE OF COMPLIANCE

We certify that the equipment made in the report and shown and the replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Same None

Characteristics of Authorization No. None

Section Code N/A

Signatures *[Signature]* Lead Mech. Installation Engr.

Date

2/15

90

CERTIFICATE OF INSERVICE INSPECTION

The undersigned, holding a valid certification issued by the Federal Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania at Pennsylvania, and certified by *[Signature]* and dated *[Date]* the certification covering the Owner's Asset during the dates *[Date]* to *[Date]* and that to the best of my knowledge and belief, the Owner has complied with the rules and regulations of the ASME Code, Section XI.

By signing this certificate under the penalty for its contents being any violation, covering the equipment and corrective measures covered in the Owner's Asset, Authorization, necessary measures for its contents shall be made in any violation or any possible injury or property damage or a loss of any kind arising out of compliance with the inspection.

*[Signature]*

Commissioner

PA 2143 NB 7592

Date *[Date]*

90



# 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 15, 1990  
1201 Market St. Philadelphia, PA 19101 State PA  
 2. Plant Peach Bottom Atomic Power Station Unit 2  
Certs. PA 17314 Phila. Electric NED, Mod 2106  
 3. Work Permitted by Philadelphia Electric Company  
1201 Market St., Philadelphia, PA 19101  
 4. Description of System Emergency Service Water, Mechanical System No. 13  
 5. (a) Applicable Construction Code ASME III 80 Edition Winter '81 Approval N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Approval N-308 Code Case  
 6. Identification of Components Addressed or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Certification	Year Built	Required, Replaced, or Replacement	ASME Code Stamp or No.
Small Bore HPCI				FSK-M-3033 Sht. 16			
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" Plug Valve	XOMOX	R353K	N/A	pc.#24	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" 90° Ell	LADISH	BB7S	N/A	pc.#15	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2" x 3/4" Red Tee	BONNEY FORGE	2448	N/A	pc.#21	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#11	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#26	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#12	N/A	Replaced	No
3/4" 90° Ell	BONNEY FORGE	2434A	N/A	pc.#17	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#14	N/A	Replaced	No
2" x 3/4" Red Tee	BONNEY FORGE	2448	N/A	pc.#23	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

As Required by the Provisions of the ASME Code Section XI

Sheet 2 of 3

SEP 19 1964

21

\* ۱۹۷۵ء

☒ ~~SECRET~~

**\_\_\_\_\_** ☐

Working Clearance Available ☐

□

102

Test Temp. Ambient

2. **Lettering**

N/A

AND CERTIFY THAT THE SUBSTITUTION MADE IN THE REPORT IS CORRECT AND THE replacement PERTAINS TO THE NAME OF THE SAME PERSON  
NAME OF PERSON

Type Code System Name None

None

Estimated Cost N/A

Series Reimbursement Lead Mech. Installation Engr. Date 2/15 : 20

Robert H. Grier  
11/15/78

THE UNDERSIGNED, HAVING & WELL CONSIDERED, BEING BY THE HONORABLE SENATE OF COLORADO AND PRESIDENT VOTED APPROVED AND THE SEAL OF PROVED  
AT Pennington AND SIGNED BY Hon. Fred Stearn Butler, T. C. and  
Feb 15 "1900

THE INFORMATION CONTAINED IN THE OWNER'S REPORT DATES THE DATE 12/1/22 ' 31/1/22 AND THIS IS THE DATE OF THE SIGNATURE AND SEAL. THE OWNER HAS CONDUCTED INSPECTIONS AND THEIR RESPECTIVE MEASURES CONTAINED IN THE OWNER'S REPORT IN ACCORDANCE WITH THE REQUIREMENTS OF THE ASME Code, SECTION XI.

By signing this document under the penalty for his answers under any warrant, complaint or return, containing the statements and captions furnished contained in the Ontario Police Affidavit, the undersigned certifies that he answers under oath in any warrant or any process issued or served or made of a case in any case being part of or connected with the situation.

H. G. L.

PT 2163 NB 7592

March 1 90



# 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 15, 1990  
1201 Market St. Philadelphia, PA 19101 Shop 3  
 2. Item Emergency Service Water Station Unit 1  
Code PA 17314 Phila. Electric NED, Mod 2106  
 3. Work Performed by Philadelphia Electric Company  
1201 Market St., Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 13  
 5. (a) Applicable Certification Code ASME III-80 Section Winter '81 Assessed N/A Date Code  
 (b) Applicable Edition of Section XI Unless for Repairs or Replacements is 80, Winter '81 Assessed N-208 Date Code  
 6. Identification of Component, Location or Assembly and Replacement Component

Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Certification	Year Built	Required, Repaired, or Replacement	ASME Code Stamped Yes or No
Small Bore HPCI		Heat No		HPCI FSK-M-3033 Sheet 105			
2" Sch 80 Pipe	Quanex	296112	N/A	pc. #1	N/A	Replaced	No
2" 90° Ell	Ladish	BB7S	N/A	pc. #17	N/A	Replaced	No
2" Sch 80 Pipe	Quanex	296112	N/A	pc. #2	N/A	Replaced	No
2" 90° Ell	Ladish	BB7S	N/A	pc. #18	N/A	Replaced	No
2" Sch 80 Pipe	Quanex	296112	N/A	pc. #3	N/A	Replaced	No
2" Lateral	Bonney Forge	W797	N/A	pc. #24	N/A	Replaced	No
2" Sch 80 Pipe	Quanex	296112	N/A	pc. #4	N/A	Replaced	No
2" Thr'd Cap	Bonney Forge	DD18	N/A	pc. #28	N/A	Replaced	No
2" Sch 80 Pipe	Quanex	296112	N/A	pc. #5	N/A	Replaced	No
2" Lateral	Bonney Forge	W797	N/A	pc. #25	N/A	Replaced	No
2" Sch 80 Pipe	Quanex	296112	N/A	pc. #6	N/A	Replaced	No
2" Thr'd Cap	Bonney Forge	DD18	N/A	pc. #29	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

# 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 15, 1990  
1201 Market St. Philadelphia, PA 19101 Sheet 2 of 3  
 2. Plant Pressurized Water Atomic Power Station Unit 1  
Date: 02-17-1990 Mod 2106  
Phil. Electric Nuclear Engineering  
Dept.  
 3. Work Performed by Philadelphia Electric Company  
1201 Market St. Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 22  
 5. (a) Applicable Construction Code ASME III 80 Edition Winter 1981 License N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter 1981 License N-208 Code Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore HPCI				HPCI FSK-M-3033 Sheet 105			
2" Sch 80 Pipe	Quanex	296112	N/A	pc. #7	N/A	Replaced	No
2" 45° Ell	Bonney Forge	F584	N/A	pc. #23	N/A	Replaced	No
2" Sch 80 Pipe	Quanex	296112	N/A	pc. #9	N/A	Replaced	No
2" 90° Ell	Ladish	BB7S	N/A	pc. #20	N/A	Replaced	No
2" Sch 80 Pipe	Quanex	296112	N/A	pc. #11	N/A	Replaced	No
2" Lateral	Bonney Forge	W797	N/A	pc. #26	N/A	Replaced	No
2" Sch 80 Pipe	Quanex	296112	N/A	pc. #12	N/A	Replaced	No
2" Thr'd Cap	Bonney Forge	DD18	N/A	pc. #30	N/A	Replaced	No
2" Sch 80 Pipe	Quanex	296112	N/A	pc. #13	N/A	Replaced	No
2" Lateral	Bonney Forge	W797	N/A	pc. #27	N/A	Replaced	No
2" Sch 80 Pipe	Quanex	296112	N/A	pc. #14	N/A	Replaced	No
2" Thr'd Cap	Bonney Forge	DD18	N/A	pc. #31	N/A	Replaced	No
2" Sch 80 Pipe	Quanex	296112	N/A	pc. #15	N/A	Replaced	No
2" 90° Ell	Ladish	BB7S-	N/A	pc. #21	N/A	Replaced	No
2" Sch 80 Pipe	Quanex	296112	N/A	pc. #16	N/A	Replaced	No

FORM NIS-2 (Back)

1. Test Conditions: ☒ Normal ☐ Overload ☐ Vacuum Cleaning Pressure ☐ Other ☐ \_\_\_\_\_  
 Pressure 102 ps Test Temp. Ambient

2. Remarks: N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None

Conditions of Approval No. None Extension Date N/A

Sign: Robert Hoff Lead Mech. Installation Engr. Date 2/15 : 90  
2/15/90

CERTIFICATE OF INSERVICE INSPECTION

The undersigned, holding a valid certification issued by the ASME Code of Boiler and Pressure Vessel Inspectors and the State of Florida at Tallahassee and employed by Landford Steam Boilers Inc. has performed the inspections required in the Owner's Report during the dates 12/1/88 to 2/1/90 and has filed the same with the State of Florida and ASME. The Owner has corrected deficiencies and taken corrective measures indicated in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate under the penalty that he answers under oath, certifying the statements and corrective measures indicated in the Owner's Report, the undersigned certifies that he answers under oath to the best of his knowledge and belief that the statements are true and correct and that he has taken all necessary steps to correct any deficiencies.

Signature: [Signature] Date: March 1 : 90  
PA 2143 NB 7592



# 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 February 15, 1990  
1301 Market St. Philadelphia, PA 19101 Sheet 1 of 3  
 2. Plant Beach Bottom Atomic Power Station Unit 3  
Cerra, PA 17314 Phila. Electric NED, Mod 2106  
 3. Work Performed by Philadelphia Electric Company  
1301 Market St., Philadelphia, PA 19101  
 4. Description of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Construction Code ASME III 1980 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Unlabeled for Records or Assessments is 80, Winter '81 Addenda H-308 Code Case  
 6. Identification of Components Assessed or Assessed and Reassessed Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Certification	Year Built	Required, Replaced, or Replacement	ASME Code Stamped Yes or No
Small Bore HPCI				FSK-M-3033 Sht. 106			
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" R.F. Flange	COFFER	AJLE	N/A	pc.#12	N/A	Replaced	No
2" R.F. Flange	COFFER	AJLE	N/A	pc.#13	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" R.F. Flange	COFFER	AJLE	N/A	pc.#14	N/A	Replaced	No
2" R.F. Flange	COFFER	AJLE	N/A	pc.#15	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2" 90° Ell	BONNEY FORGE	2519	N/A	pc.#9	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2" R.F. Flange	COFFER	ABSF	N/A	pc.#23	N/A	Replaced	No
2" R.F. Flange	COFFER	AJLE	N/A	pc.#22	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#21	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
AS REQUIRED BY THE PROVISIONS OF THE ASME CODE SECTION XI

1001 Market St. Philadelphia, PA 19101

DATE February 15, 1990  
Sheet 2 of 3

2. Reactor System Atomic Power Station  
DATE: 11-1-64

Mod 2106  
Philip Morris Inc. Training  
1000 Morris Dr. P.O. Box 1000, NY, NY 10001-1000

2. were furnished by Chicago Police Department, Bureau  
 City of Chicago, Ill. 60604

\* continuation of system Emergency Service Water, Mechanical System No. 12

1. AS ADDITIONAL CONFERENCE CASE ASME 111-8 80 SEPTEMBER 1981 ASME N/A 2000

31. Applicable edition of Standard XI Utilized for Review or Reexamination is 2.0 Winter 197 Record 11-208 See Case

#### 5. Identification of Components: Analysis of Access and Assessment Components

[illegible]

FORM NIS-2 (Back)

1. Test Conditions

Temperature ☒ X

Pressure ☐

Working Clearance Pressure ☐

Other ☐

Pressure 102

Test Temp.

Ambient

2. Remarks N/A

CERTIFICATE OF COMPLIANCE

We certify that the replacement made in the boiler and controls and the replacement conforms to the rules of the ASME Code, Section XI.

Type Code System Status None

Characteristics of Alteration None

Exemption Code N/A

Serial Robinson Lead Mech. Installation Engr. Date 1/15 90  
Robert Hoffman 4/12/90

CERTIFICATE OF INSERVICE INSPECTION

The undersigned, holding a valid certification issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania, has inspected the boiler and controls of Hotbed Steam Boiler, Inc. and

the certification is in the Owner's Record during the dates 12/1/89 to 3/1/90. This is the date of my inspection and report. The Owner has completed all requirements and their corrective measures entered in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate under the provisions of the National Board of Boiler and Pressure Vessel Inspectors, I am certifying that the boiler and controls are in compliance with the ASME Code, Section XI, and that the Owner has completed all requirements and their corrective measures entered in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

Inspector: [Signature] PA 2163 NB 7572  
Date: March 1 90



# 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 15, 1991  
1201 Market St. Philadelphia, PA 19101 Shop 1 in 3  
 2. Plant Reactor System Atomic Power Station Unit 1  
Cont. #A 17314 Phila. Electric NED, Mod 2106  
 3. Work Performed by Philadelphia Electric Company  
1201 Market St., Philadelphia, PA 19101  
 4. Description of System Emergency Service Water Mechanical System No. 11  
 5. (a) Applicable Construction Code ASME III-1980 Edition Winter 1981 Section N/A Case Code  
 (b) Applicable Edition of Section XI Unlabeled for Repairs or Replacements is 80, Winter 1981 Section N-208 Case Code  
 6. Identification of Components Repaired or Replaced and Assessment Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Certification	Year Built	Required, Repaired, or Replacement	ASME Code Status Yes or No
Small Bore HPCI				PSK-M-3033 Sheet 107			
2" Tee	LADISH	L980	N/A	pc.#15	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" Plug Valve	XOMOX	R353K	N/A	pc.#18	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" 90 Deg. Ell.	BONNEY FORGE	2519	N/A	pc.#11	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2" x 3/4" Tee	BONNEY FORGE	2448	N/A	pc.#16	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#7	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#19	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	139701	N/A	pc.#8	N/A	Replaced	No
3/4" 90 Deg. Ell.	BONNEY FORGE	2257	N/A	pc.#13	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#10	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

Order Philadelphia Electric Company  
NAME  
2001 Market St. Philadelphia, PA 19101

DATE February 5, 1940  
 SHOW 2 of 3

PLANT SECH BETHAM ATOMIC POWER STATION  
DATE 12-1-64

Mod 2106

WORK REPORTED BY: [REDACTED] DATE: 08-10-67

[REDACTED]

DATE: 08-10-67

\* CONTINUATION OF SYSTEM Emergency Service Water, Mechanical System No. 12

1. a) Applicable Construction Code ASME 1980 Edition, Winter 1981 License 11/1 Date 1/1

51 Applicable Edition of Section XI Utilized for Repair or Replacement is 20, Winter 1971 Issued 11-2-78 Date Case

#### **5. Comparison of Components Across of Agencies and Regulatory Components**

20

ARM NIS-2 (Back)

1. Test Conditions

Temperature

☒

Pressure

☐

Minimum Clearance Pressure

☐

Other

☐

Pressure 102

PS

Test Temp.

Ambient

2. Remarks

A 4

CERTIFICATE OF COMPLIANCE

We certify that the information made in the report was correct and the replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp None

Conditions of Acceptance None

Examination Date N/A

Series Lead Mech. Installation Engr.

Date 2/15

90

Robert H. Haffner  
4/12/90

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, being a duly qualified person by the rules of the ASME Code, and being duly sworn, do hereby certify that the information made in the report was correct and the replacement conforms to the rules of the ASME Code, Section XI. I am also duly sworn to the rules of my jurisdiction and shall do so in the future. I am also duly sworn to the rules of my jurisdiction and shall do so in the future. I am also duly sworn to the rules of my jurisdiction and shall do so in the future.

By signing this certificate under the penalty of perjury, I am certifying that the information made in the report was correct and the replacement conforms to the rules of the ASME Code, Section XI. I am also duly sworn to the rules of my jurisdiction and shall do so in the future.

Signature: [Signature]  
Date: March 1, 90  
PA 2143 NB7592



As Required by the Provisions of the ASME Code Section XI

Feb. 15, 1990

Sharon \_\_\_\_\_

\_\_\_\_\_

Phila. Electric NED. Mod 2126

1998-1999, 2000-2001, 2001-2002, 2002-2003, 2003-2004, 2004-2005, 2005-2006, 2006-2007, 2007-2008, 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013, 2013-2014, 2014-2015, 2015-2016, 2016-2017, 2017-2018, 2018-2019, 2019-2020, 2020-2021, 2021-2022, 2022-2023, 2023-2024, 2024-2025, 2025-2026, 2026-2027, 2027-2028, 2028-2029, 2029-2030, 2030-2031, 2031-2032, 2032-2033, 2033-2034, 2034-2035, 2035-2036, 2036-2037, 2037-2038, 2038-2039, 2039-2040, 2040-2041, 2041-2042, 2042-2043, 2043-2044, 2044-2045, 2045-2046, 2046-2047, 2047-2048, 2048-2049, 2049-2050, 2050-2051, 2051-2052, 2052-2053, 2053-2054, 2054-2055, 2055-2056, 2056-2057, 2057-2058, 2058-2059, 2059-2060, 2060-2061, 2061-2062, 2062-2063, 2063-2064, 2064-2065, 2065-2066, 2066-2067, 2067-2068, 2068-2069, 2069-2070, 2070-2071, 2071-2072, 2072-2073, 2073-2074, 2074-2075, 2075-2076, 2076-2077, 2077-2078, 2078-2079, 2079-2080, 2080-2081, 2081-2082, 2082-2083, 2083-2084, 2084-2085, 2085-2086, 2086-2087, 2087-2088, 2088-2089, 2089-2090, 2090-2091, 2091-2092, 2092-2093, 2093-2094, 2094-2095, 2095-2096, 2096-2097, 2097-2098, 2098-2099, 2099-2100, 2100-2101, 2101-2102, 2102-2103, 2103-2104, 2104-2105, 2105-2106, 2106-2107, 2107-2108, 2108-2109, 2109-2110, 2110-2111, 2111-2112, 2112-2113, 2113-2114, 2114-2115, 2115-2116, 2116-2117, 2117-2118, 2118-2119, 2119-2120, 2120-2121, 2121-2122, 2122-2123, 2123-2124, 2124-2125, 2125-2126, 2126-2127, 2127-2128, 2128-2129, 2129-2130, 2130-2131, 2131-2132, 2132-2133, 2133-2134, 2134-2135, 2135-2136, 2136-2137, 2137-2138, 2138-2139, 2139-2140, 2140-2141, 2141-2142, 2142-2143, 2143-2144, 2144-2145, 2145-2146, 2146-2147, 2147-2148, 2148-2149, 2149-2150, 2150-2151, 2151-2152, 2152-2153, 2153-2154, 2154-2155, 2155-2156, 2156-2157, 2157-2158, 2158-2159, 2159-2160, 2160-2161, 2161-2162, 2162-2163, 2163-2164, 2164-2165, 2165-2166, 2166-2167, 2167-2168, 2168-2169, 2169-2170, 2170-2171, 2171-2172, 2172-2173, 2173-2174, 2174-2175, 2175-2176, 2176-2177, 2177-2178, 2178-2179, 2179-2180, 2180-2181, 2181-2182, 2182-2183, 2183-2184, 2184-2185, 2185-2186, 2186-2187, 2187-2188, 2188-2189, 2189-2190, 2190-2191, 2191-2192, 2192-2193, 2193-2194, 2194-2195, 2195-2196, 2196-2197, 2197-2198, 2198-2199, 2199-2200, 2200-2201, 2201-2202, 2202-2203, 2203-2204, 2204-2205, 2205-2206, 2206-2207, 2207-2208, 2208-2209, 2209-2210, 2210-2211, 2211-2212, 2212-2213, 2213-2214, 2214-2215, 2215-2216, 2216-2217, 2217-2218, 2218-2219, 2219-2220, 2220-2221, 2221-2222, 2222-2223, 2223-2224, 2224-2225, 2225-2226, 2226-2227, 2227-2228, 2228-2229, 2229-2230, 2230-2231, 2231-2232, 2232-2233, 2233-2234, 2234-2235, 2235-2236, 2236-2237, 2237-2238, 2238-2239, 2239-2240, 2240-2241, 2241-2242, 2242-2243, 2243-2244, 2244-2245, 2245-2246, 2246-2247, 2247-2248, 2248-2249, 2249-2250, 2250-2251, 2251-2252, 2252-2253, 2253-2254, 2254-2255, 2255-2256, 2256-2257, 2257-2258, 2258-2259, 2259-2260, 2260-2261, 2261-2262, 2262-2263, 2263-2264, 2264-2265, 2265-2266, 2266-2267, 2267-2268, 2268-2269, 2269-2270, 2270-2271, 2271-2272, 2272-2273, 2273-2274, 2274-2275, 2275-2276, 2276-2277, 2277-2278, 2278-2279, 2279-2280, 2280-2281, 2281-2282, 2282-2283, 2283-2284, 2284-2285, 2285-2286, 2286-2287, 2287-2288, 2288-2289, 2289-2290, 2290-2291, 2291-2292, 2292-2293, 2293-2294, 2294-2295, 2295-2296, 2296-2297, 2297-2298, 2298-2299, 2299-2300, 2300-2301, 2301-2302, 2302-2303, 2303-2304, 2304-2305, 2305-2306, 2306-2307, 2307-2308, 2308-2309, 2309-2310, 2310-2311, 2311-2312, 2312-2313, 2313-2314, 2314-2315, 2315-2316, 2316-2317, 2317-2318, 2318-2319, 2319-2320, 2320-2321, 2321-2322, 2322-2323, 2323-2324, 2324-2325, 2325-2326, 2326-2327, 2327-2328, 2328-2329, 2329-2330, 2330-2331, 2331-2332, 2332-2333, 2333-2334, 2334-2335, 2335-2336, 2336-2337, 2337-2338, 2338-2339, 2339-2340, 2340-2341, 2341-2342, 2342-2343, 2343-2344, 2344-2345, 2345-2346, 2346-2347, 2347-2348, 2348-2349, 2349-2350, 2350-2351, 2351-2352, 2352-2353, 2353-2354, 2354-2355, 2355-2356, 2356-2357, 2357-2358, 2358-2359, 2359-2360, 2360-2361, 2361-2362, 2362-2363, 2363-2364, 2364-2365, 2365-2366, 2366-2367, 2367-2368, 2368-2369, 2369-2370, 2370-2371, 23

Phila. Electric NED. Mod 2126

Phila. Electric NED. Mod 2126

Phila. Electric NED. Mod 2126

Phila. Electric NED. Mod 2126

Phila. Electric NED. Mod 2126

Phila. Electric NED. Mod 2126

Phila. Electric NED. Mod 2126

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

Owner Philadelphia Electric Company Date February 15, 1990  
1501 Market St., Philadelphia, PA 19101 Sheet 2 of 3  
 Plant Rego Steam Atomic Power Station Unit 2  
Cont. # 1014 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.  
 Work Performed by Philadelphia Electric Company  
1501 Market St., Philadelphia, PA 19101  
 Identification of System Emergency Service Water, Mechanical System No. 33  
 (a) Applicable Construction Code ASME III 1980 Edition, Winter 1981 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 1980, Winter 1981 Addenda N/A Code Case  
 Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No	National Board No.	Other Identification	Year Built	Required, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore HPCI				HPCI FSK-M-3033 Sheet 108			
2" Sch 80 Pipe	Quanex	296112	N/A	pc. #23	N/A	Replaced	No
2" RF Flange	Coffer	AJLE	N/A	pc. #24	N/A	Replaced	No
2" RF Flange	Coffer	AJLE	N/A	pc. #25	N/A	Replaced	No
2" Sch 80 Pipe	Quanex	296112	N/A	pc. #7	N/A	Replaced	No
2" 90° Ell	Ladich	BB7S	N/A	pc. #12	N/A	Replaced	No
2" x 1 1/2" Red Insert	Capital Manufacturing	O778	N/A	pc. #21	N/A	Replaced	No
1 1/2" Sch 80 Pipe	Quanex	286842	N/A	pc. #8	N/A	Replaced	No
1 1/2" F F Flange	Coffer	AMWQ	N/A	pc. #18	N/A	Replaced	No
3/4" Sch 80 Pipe	Quanex	268672	N/A	pc. #9	N/A	Replaced	No
3/4" Plug Valve	Xomox	R353	N/A	pc. #22	N/A	Replaced	No
3/4" Sch 80 Pipe	Quanex	268672	N/A	pc. #10	N/A	Replaced	No

FORM NIS-2 (Back)

1. Test Conditions: ☒ Normal ☐ Insured ☐ Working Clearance Pressure ☐  
Test ☐ \_\_\_\_\_  
Pressure 102 psi Test Temp. Ambient

2. Remarks: N/A

CERTIFICATE OF COMPLIANCE

We certify that the conditions made in the report are correct and the replacement conforms to the rules of the ASME Code, Section II.

True Code Symbol Status None

Cartridge or Attachment No. None Expansion Cap. N/A

Series Philip Lead Mech. Installation Engr. Date 2/15 90  
Robert H. Hines  
2/15/90

CERTIFICATE OF INSERVICE INSPECTION

The undersigned, having a valid certification issued by the American Society of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania, and employed by Hartford Steam Boiler Ins.

The certificate expires on the Owner's Anniversary on date 12/1/92 to 3/1/90 and shall run to the date of my expiration and shall. The Owner has certified compliance and their certified inspectors examine in the Owner's Report in accordance with the requirements of the ASME Code, Section II.

By signing this certificate under the penalty of perjury, I certify that I am a duly qualified and licensed inspector, and that I am not aware of any defective condition or unsafe condition of the vessel or any part thereof, and that I am not aware of any defective condition or unsafe condition of the vessel or any part thereof, and that I am not aware of any defective condition or unsafe condition of the vessel or any part thereof.

John E. Hines PA 2163 NB 7592  
Date March 1 90



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

As Required by the Provisions of the ASME Code Section XI

Owner Philadelphia Electric Company Date February 15, 1990  
2201 Market St. Philadelphia, PA 19101 Shop 2 of 4  
 Plant Reach Bottom Atomic Power Station Unit 3  
Contra. #A 17314 Phila. Electric NED, Mod 2106  
 Work performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101  
 Description of System Emergency Service Water, Mechanical System No. 13  
 1. a) Applicable Construction Code ASME III-2 80 Edition Winter '81 Addenda N/A Date Code  
 b) Applicable Edition of Section XI Utilized for Records or Assessments is 80, Winter '81 Addenda N-308 Date Code  
 2. Identification of Components Assessed or Assessed and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other certification	Year Built	Required, Replaced, or Replacement	ASME Code Stamped: Yes or No
Small Bore HPCI				FSK-M-3033 Sht. 109			
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#6	N/A	Replaced	No
2" x 1" Red Tee	BONNEY FORGE	W727	N/A	pc.#19	N/A	Replaced	No
1" Sch. 80 Pipe	QUANEX	282922	N/A	pc.#11	N/A	Replaced	No
1" Plug Valve	XOMOX	R353	N/A	pc.#29	N/A	Replaced	No
1" Sch. 80 Pipe	QUANEX	282922	N/A	pc.#12	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#22	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#7	N/A	Replaced	No
2" Thr'd Cap	BONNEY FORGE	DD18	N/A	pc.#26	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#21	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#8	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

**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 15, 1990  
1001 Market St. Philadelphia, PA 19101 Sheet 2 of 4  
 2. Plant Press Bottom Atomic Power Station Unit 1  
Date: 2-1-7314 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.  
 3. Work Performed by Philadelphia Electric Company  
1001 Market St. Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 32  
 5. (a) Applicable Construction Code ASME III 1980 Edition Winter 1981 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter 1981 Addenda N-308 Code Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore HPCI				FSK-M-3033 Sht. 109			
2" Thr'd Cap	BONNEY FORGE	DD18	N/A	pc. #25	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc. #3	N/A	Replaced	No
2" 90° Ell	LADISH	BR7S	N/A	pc. #15	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc. #2	N/A	Replaced	No
2" Plug Valve	XOMOX	SP-R352K	N/A	pc. #28	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc. #1	N/A	Replaced	No
2" x 3/4" Red Tee	BONNEY FORGE	W727	N/A	pc. #18	N/A	Replaced	No
2" x 1 1/2" Red Tee	CAPITOL MANUF.	0778	N/A	pc. #20	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc. #13	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc. #30	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc. #14	N/A	Replaced	No
1 1/2" Sch. 80 Pipe	QUANEX	286842	N/A	pc. #10	N/A	Replaced	No
1 1/2" R.F. Flange	COFFER	ABSF	N/A	pc. #32	N/A	Replaced	No
1 1/2" R.F. Flange	COFFER	ABSF	N/A	pc. #33	N/A	Replaced	No
1 1/2" Sch. 80 Pipe	QUANEX	286842	N/A	pc. #31	N/A	Replaced	No

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

General Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101

Date February 12, 1990  
Sheet 3 of 4

2. Plant Reagan Atomic Power Station  
Date: 11-1-74

Mod 2106

2. WORK PERFORMED BY PHILIP B. LITVIN PHILADELPHIA COMPTON  
NAME  
2001 MONROE ST. PHILADELPHIA, PA. 19101

4. Identification of System: Emergency Service Water, Mechanical System No. 12

5. (a) Applicable Construction Code ASME III '90 Edition, Winter '91 Appendix N/A Code Case

b) Applicable Edition or Section XI Utilized for Repairs or Replacements is 80, Winter '81 License N-208 Date Case \_\_\_\_\_

#### 5. Identification of Components Required to Replace and Replacement Components

[illegible]



FORM NIS-2 (Back)

1. Test Conditions

☒ Normal

☐ Abnormal

☐ Abnormal Clearance Procedure

☐ Other

Pressure 102, ps

Test Temp. Ambient

2. Remarks N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None

Carriers of Authorization No. None

Expiration Date N/A

Signed Robert Hopper Lead Mech. Installation Engr. Date 2/15 90

CERTIFICATE OF INSERVICE INSPECTION

The undersigned, holding a valid certification issued by the Pressure Vessel Institute of Canada and Pressure Vessel Inspector and the State of Province of Quebec and employed by Harbour Steam Boilers Inc. has performed the inspections required in the Owner's Record during the date 12/1/80 to 3/1/80 and has filed the same in my ownership and control. The Owner has reviewed the inspection and their corrective measures contained in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate under the pressure and the authority stated any violation, correction or removal, including the maintenance and corrective measures contained in the Owner's Record, and/or the inspection and the authority shall be held in any violation of any provision of the ASME Code or of any other code or standard.

Robert Hopper Date 2/15 90

**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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Date 1 of 3  
 2. Plant Reactor System Atomic Power Station Unit 1  
Camden, PA 17814 Phila. Electric NED, Mod 2106  
 3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101  
 4. Description of System Emergency Service Water, Mechanical System No. 13  
 5. (a) Applicable Construction Code ASME III 2 80, Edition Winter '81, Addenda N/A Date Code  
 (b) Applicable Section of Section XI Utilized for Repairs or Replacements is 80, Edition Winter '81, Addenda N-308 Date Code  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Certification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp: Yes or No?
Small Bore HPCI				FSK-M-3033 Sheet 110			
2" Tee	BONNEY FORGE	W727	N/A	pc.#12	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No
2" Coupling	CAPITOL MANUFACTURING	845	N/A	pc.#17	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2" 90 Deg. Ell	LADISH	BB75	N/A	pc.#10	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2" Plug Valve	XOMOX	SP-R352K	N/A	pc.#18	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" F. F. Flange	COFFER	ABSF	N/A	pc.#21	N/A	Replaced	No
2" F. F. Flange	COFFER	AJLE	N/A	pc.#22	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#20	N/A	Replaced	No
2" X 3/4" Red. Tee	BONNEY FORGE	W727	N/A	pc.#13	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

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

Center Philadelphia Electric Company  
2001 Market St. Philadelphia, PA 19101

DATE February 16, 1990  
FROM 2 TO 3

2. PLANT REACTOR SYSTEM ATOMIC POWER STATION  
DATE: 21 - MAR - 64

Mod 2106  
Folk, Francis Marion Thompson  
near Washington, D. C. and N. C. 1907.

1. DATE RECEIVED BY DISPATCHED TO DISPATCHED BY  
DATE DATE DATE  
TIME TIME TIME

\* continuation of system Emergency Service Water, Mechanical System No. 12

1. AS ADDENDUM CARTRIDGE CASE ASME 111-9-80 EDITION 11/81 ISSUED N/A CASE CASE

21. APPLICABLE EDITION OF SECTION 20 UTILIZED FOR RECORDS OR REGULATIONS IS 20. 11-1-65 101 REVISED 11-1-65 200 CASE

### 5. Certification of Components Required or Prohibited and Replacement Components

[illegible]



FORM NIS-2 (Back)

1. Test Conditions: ☒ Normal ☐ Insulated ☐ Other Clearing Pressure ☐  
 Test ☐ \_\_\_\_\_  
 Pressure 102 \_\_\_\_\_ Test Temp. Ambient \_\_\_\_\_

2. Remarks: N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Name None

Cartridge or Identification No. None Inspection Date N/A

Series Lead Mech. Installation Eng. 2/15 90  
Robert Hoffman 2/15/90

CERTIFICATE OF INSERVICE INSPECTION

The undersigned, holding a valid certification issued by the Pressure Vessel and Piping Code of Ohio and Pressure Vessel Inspector and the State of Pennsylvania and certified by Hoodland Steam Boiler Inspr & Inspr Co  
 The undersigned conducted an inspection of the 12/1/83 to 3/1/90 and was  
 satisfied that the code of the equipment and design, the Owner has satisfactory maintenance and that satisfactory inspection conditions in the Owner's  
 Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate under the pressure and the undersigned certifies that the equipment, including the components and  
 accessories, is in satisfactory condition in the Owner's Report. The undersigned certifies that the equipment was inspected in accordance with the  
 provisions of the ASME Code or a code of law or any code having force of law and the undersigned.

Robert Hoffman PA 2103 NB 7272  
March - 1 90

# 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 February 15, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant React. Steam Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P.C. No. 100, P.C. No.
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 13
5. (a) Applicable Construction Code ASME III, 80 Edition, Winter '81 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda, N-208 Code Case
6. Identification of Components Subjected to Repairs and Replacement Components

Name of Component Small Bore HPCI	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sht. 111	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped: Yes or No
2" Sch. 80 Pipe	QUANEX	295112	N/A	pc.#1	N/A	Replaced	No
2" R.F. Flange	COFFER	AJLE	N/A	pc.#26	N/A	Replaced	No
2" R.F. Flange	COFFER	AJLE	N/A	pc.#27	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2" 90° Ell	BONNEY FORGE	Z519	N/A	pc.#16	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2" R.F. Flange	COFFER	AJLE	N/A	pc.#28	N/A	Replaced	No
2" R.F. Flange	COFFER	AJLE	N/A	pc.#29	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No
2" 90° Ell	BONNEY FORGE	Z519	N/A	pc.#17	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#6	N/A	Replaced	No
2" 90° Ell	LADISH	ZWKEI	N/A	pc.#18	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

# 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 15, 1990  
2201 Market St., Philadelphia, PA 19101 Sheet 2 of 3  
 2. Plant Peconic Atom Atomic Power Station Unit 2  
Calver, PA 17014 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.  
 3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA, 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Construction Code ASME III 19 80 Edition, Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore HPCI				FSK-M-3033 Sht. 111			
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#7	N/A	Replaced	No
2" 45° Ell	LADISH	C296	N/A	pc.#22	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#8	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#24	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#10	N/A	Replaced	No
2" Thr'd Cap	BONNEY FORGE	DD18	N/A	pc.#30	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#11	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#25	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#12	N/A	Replaced	No
2" Thr'd Cap	BONNEY FORGE	DD18	N/A	pc.#31	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#13	N/A	Replaced	No
2" 90° Ell	LADISH	BB7S	N/A	pc.#19	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#14	N/A	Replaced	No
2" 90° Ell	LADISH	BB7S	N/A	pc.#20	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#15	N/A	Replaced	No



FORM NIS-2 (Back)

1. Test Conditions

Pressure ☒ X

Temperature ☐

Leakage Clearance Pressure ☐

Other ☐

Pressure 102

PSI

Test Temp.

Ambient

°F

2. Remarks

N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None

Comments or Authorization No. None

Inspection Code N/A

Signed

*Robert H. Hoffman*  
2/15/90

Lead Mech. Installation Engr.

2/15

90

CERTIFICATE OF INSERVICE INSPECTION

The undersigned, holding a valid certification issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania, is authorized by Hartford Steam Boiler Inspr.

to inspect

the components covered by the Owner's Authorization No. 12/1/88

7 3/1/90

and issue a report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate under the authority of the undersigned, I am certifying that the inspection was performed in accordance with the requirements of the ASME Code, Section XI, and that the components are in compliance with the requirements of the ASME Code, Section XI.

*H. Hoffman*

2143 NB 7592

March 1

90

# FOHM 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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Reactor System Atomic Power Station Unit 3  
Centra, PA 17314 Phila. Electric NED, Mod 2106
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 13
5. (a) Applicable Conservation Code ASME III is 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Assess or Reassessments is 80, Winter '81 Addenda N-208 Code Case
6. Identification of Components Assessed or Reassessed and Assessment Comments

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Certification	Year Built	Required, Replaced, or Replacement	ASME Code Stamped: Yes or No
Small Bore HPCI				FSK-M-3033 Sht. 112			
2" 90° Ell	LADISH	BB7S	N/A	pc.#15	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" 90° Ell	LADISH	BB7S	N/A	pc.#16	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" 90° Ell	BONNEY FORGE	Z749	N/A	pc.#17	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#22	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No
2" Thr'd Cap	BONNEY FORGE	DD18	N/A	pc.#24	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#6	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#23	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#7	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

# 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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 2 of 3
2. Plant Reagan-Bonom Atomic Power Station Unit 2  
Delco, PA 17814 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.
3. Work Performed by Philadelphia Electric Company  
2201 Market St. Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III 19 80 Edition, Winter 1981 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter 1981 Addenda N-208 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore HPCI		or Heat No.		FSK-M-3033 Sht. 112			
2" Thr'd Cap	BONNEY FORGE	DD18	N/A	pc.#25	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#8	N/A	Replaced	No
2" 90° Ell	BONNEY FORGE	2749	N/A	pc.#19	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#9	N/A	Replaced	No
2" Plug Valve	XOMOX	R353K	N/A	pc.#29	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#10	N/A	Replaced	No
2" Tee	LADISH	L980	N/A	pc.#21	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#11	N/A	Replaced	No
2" x 3/4" Red Insert	LADISH	Q16C	N/A	pc.#26	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#12	N/A	Replaced	No
3/4" 90° Ell	BONNEY FORGE	2434A	N/A	pc.#20	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#13	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#30	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#14	N/A	Replaced	No



FORM NIS-2 (Back)

1. Test Conditions: ☒ Normal ☐ Overload ☐ Starting Conditions Pressure ☐  
 Other ☐ \_\_\_\_\_  
 Pressure 102 ps Test Temp. Ambient

2. Remarks: N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the information stated in the report is correct and the replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp None

Signature of Authorized Person None Expiration Date N/A

Signer Robert H. Hoff Lead Mech. Installation Engr. Date 2/15 90  
2/15/90

CERTIFICATE OF INSERVICE INSPECTION

The undersigned, holding a valid certification issued by the Pressure Vessel Institute and the State of Pennsylvania, has examined the Horizontal Steam Boiler Inscr + Ins. and certifies that the information contained in the Owner's Report dated the date 12/1/88 to 3/1/90 is true and correct to the best of my knowledge and belief. The Owner has submitted satisfactory and clear evidence of compliance with the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, the undersigned certifies that the information stated in the report is correct and that the information contained in the Owner's Report, Particulars, and the undersigned's report is true and correct to the best of my knowledge and belief. The undersigned is not responsible for any damage or injury resulting from the use of the boiler or equipment with the pressure.

[Signature] P-2143 NB 2592  
 Date March 90

# 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 15, 1990  
1201 Market St. Philadelphia, PA 19101 Sheet 2 of 4
2. Plant Peach Bottom Atomic Power Station Unit 3  
Cerra, PA 17314 Phila. Electric NED, Mod 2106
3. Work Performed by Philadelphia Electric Company  
1201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III 80 Edition Winter '81 Addenda N/A Code Case
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component Small Bore RCIC	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sht. 17	Year Built	Required, Repaired, or Replacement	ASME Code Stamped: Yes or No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replace	No
2" x 3/4" Red Tee	BONNEY FORGE	W727	N/A	pc.#27	N/A	Replace	No
2" x 1 1/2" Red Insert	CAPITOL MANUF.	778	N/A	pc.#30	N/A	Replace	No
1 1/2" Sch. 80 Pipe	QUANEX	295192	N/A	pc.#2	N/A	Replace	No
1 1/2" Sch. 80 Pipe	QUANEX	295192	N/A	pc.#3	N/A	Replace	No
1 1/2" x 3/4" Red Tee	BONNEY FORGE	2481	N/A	pc.#28	N/A	Replace	No
1 1/2" Sch. 80 Pipe	QUANEX	295192	N/A	pc.#4	N/A	Replace	No
1 1/2" 45° Ell	BONNEY FORGE	2666	N/A	pc.#24	N/A	Replace	No
1 1/2" Sch. 80 Pipe	QUANEX	295192	N/A	pc.#6	N/A	Replace	No
1 1/2" Sch. 80 Pipe	QUANEX	295192	N/A	pc.#36	N/A	Replace	No
1 1/2" Flange	LADISH	RR2R	N/A	pc.#37	N/A	Replace	No
1 1/2" 90° Ell	LADISH	ZYM	N/A	pc.#19	N/A	Replace	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

**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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 2 of 4  
 2. Plant Peach Bottom Atomic Power Station Unit 3  
Delco, PA 17314 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.  
 3. Work Performed by Philadelphia Electric Company  
2201 Market St. Philadelphia, PA, 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Construction Code ASME III 1980 Edition, Winter 1981 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter 1981 Addenda N-208 Code Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore RCIC				FSK-M-3033 Sht. 17			
1 1/2" Sch. 80 Pipe	QUANEX	286842	N/A	pc.#7	N/A	Replaced	No
1 1/2" x 3/4" Red Tee	BONNEY FORGE	2481	N/A	pc.#29	N/A	Replaced	No
1 1/2" Sch. 80 Pipe	QUANEX	295192	N/A	pc.#8	N/A	Replaced	No
1 1/2" 90° Ell	LADISH	ZYM	N/A	pc.#20	N/A	Replaced	No
1 1/2" x 1 1/4" Red Insert	BONNEY FORGE	BZ57	N/A	pc.#31	N/A	Replaced	No
1 1/4" Sch. 80 Pipe	QUANEX	282792	N/A	pc.#10	N/A	Replaced	No
1 1/4" F.F. Flange	COFFER	AMWQ	N/A	pc.#32	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#11	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#34	N/A	Replaced	No
3/4" 90° Ell	BONNEY FORGE	2434A	N/A	pc.#22	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#15	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#16	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#35	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#17	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#13	N/A	Replaced	No



As Required by the Provisions of the ASME Code Section XI

Date February 15, 1940  
Sheet 3 of 4

Unit 2  
Mod 2106  
Phila. Electric Nuclear Engineering  
Center Philadelphia, Pa. 19106-3000 Sept. 68

\* commission of system Emergency Service Water, Mechanical System No. 12

5. (a) Applicable Construction Code ASME III '9 80 Edition Winter '91 Addenda N/A Date 11/11/91

b) Applicable Edition of Section 30 Utilized for Reports or Assessments is 20, Winter 191 License N-20R Case 228 Case

#### 5. Identification of Components Required of Acquisitive and Readjustment Components

[illegible]

## FORM NIS-2 (Back)

1. Test Conditions

Temperature ☒Insulation ☐Normal Closing Pressure ☐Other ☐

Pressure 102 ps

Test Temp. Ambient

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

We certify that the conditions listed in the report are correct and the replacement conforms to the rules of the ASME Code, Section XI.

Type Code Switch Stamp None

Cartridge of Ammunition None

Inspection Date N/A

Series Robert Hoffmann Lead Mech. Installation Engr. Date 2/15/90 Time 30

Robert Hoffmann

## CERTIFICATE OF INSERVICE INSPECTION

The undersigned, holding a valid certification issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of

or Pennsylvaniaand certified by Hartford Steam Boiler Ins

and S.D. Co.

The certification expires on the Owner's Record on the date 12/1/88 to 2/23/90 and shall

remain in the care of the undersigned and shall. The Owner has accepted the conditions and shall continue to maintain compliance in the Owner's Record in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, the undersigned certifies that the undersigned is a duly qualified and experienced inspector and that the undersigned has performed a thorough examination of the boiler and that the boiler is in compliance with the requirements of the ASME Code, Section XI.

Robert Hoffmann  
Date Feb 23 1990

PC 2163 JB 7572

# 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

2201 Market St. Philadelphia, PA 19101

Date February 15, 1990

Sheet 1 of 3

2. Plant React. Bottom Atomic Power Station

Ortola, PA 17314

Unit 3

Phila. Electric NED, Mod 2106

3. Work Performed by Philadelphia Electric Company

2201 Market St., Philadelphia, PA 19101

4. Description of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III: 80 Edition Winter '81 Addenda N/A Code Case

(b) Applicable Edition of Section XI Unless for Records or Assessments is 80, Winter '81 Addenda N-208 Code Case

6. Identification of Component Features or Features and Replacement Components

Name of Component Small Bore RCIC	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sht. 18	Year Built	Required, Replaced, or Replacement	ASME Code Stamped: Yes or No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" 90° Ell	BONNEY FORGE	Z519	N/A	pc.#17	N/A	Replaced	No
2" x 3/4" Red Tee	BONNEY FORGE	W727	N/A	pc.#29	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2" 90° Ell	BONNEY FORGE	Z749	N/A	pc.#18	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No
2" Plug Valve	XOMOX	R353K	N/A	pc.#30	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#6	N/A	Replaced	No
2" 90° Ell	BONNEY FORGE	Z749	N/A	pc.#19	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#7	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#24	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#8	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



# 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 13, 1990  
2201 Market St., Philadelphia, PA 19101 Sheet 2 of 3

2. Plant Press Bottom Atomic Power Station Unit 2  
Delco, PA 17314 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.

3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA, 19101

4. Identification of System Emergency Service Water, Mechanical System No. 22

5. (a) Applicable Construction Code ASME III 1980 Edition, Winter 1981 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter 1981 Addenda N-208 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore RCIC				FSK-M-3033 Sht. 18			
2" Thr'd Cap	BONNEY FORGE	DD18	N/A	pc.# 26	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#9	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#25	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#10	N/A	Replaced	No
2" Thr'd Cap	BONNEY FORGE	DD18	N/A	pc.#27	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#11	N/A	Replaced	No
2" 90° Ell	LADISH	BB7S	N/A	pc.#20	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#12	N/A	Replaced	No
2" 90° Ell	LADISH	ZWKEI	N/A	pc.#21	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#13	N/A	Replaced	No
3/4" 90° Ell	BONNEY FORGE	Z573B	N/A	pc.#22	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#14	N/A	Replaced	No
3/4" Plug Valve	KOMOX	R353	N/A	pc.#31	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#15	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No

## FORM NIS-2 (Back)

1. Tests Conducted

HYDROSTATIC



PNEUMATIC



Normal Operating Pressure



Date

Pressure 102

PS

Test Temp.

Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

*R. Simpson*  
*Robert Hoffert*  
 2/14/90

Lead Mech. Installation Exam

Date

2/15

90

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the relevant State or Governing Authority and the State of Province of Pennsylvania and employed by Hartford Steam Boiler Insp. and Ins. Co. have conducted the examinations required in the Owner's Report during the dates 12/1/88 to 2/23/90 and certify that to the best of my knowledge and belief, the Owner has corrected deficiencies and taken corrective measures required in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date

Feb. 23

19

90

Commission

PA 2163 NB 7592

# 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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 4  
 2. Plant Peach Bottom Atomic Power Station Unit 3  
Cerra, PA 17314 Phila. Electric NED, Mod 2106  
 3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101  
 4. Description of System Emergency Service Water, Mechanical System No. 23  
 5. (a) Applicable Construction Code ASME III: 80 Edition Winter '91 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case  
 6. Identification of Components Requiring or Requiring and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Certification	Year Built	Required, Replaced, or Replacement	ASME Code Stamped: Yes or No
Small Bore RCIC				FSK-M-3033 Sht. 19			
2" Plug Valve	XOMOX	R353K	N/A	pc.#32	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" lateral	BONNEY FORGE	W797	N/A	pc.#27	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" Thr'd Cap	BONNEY FORGE	DD18	N/A	pc.#23	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#28	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2" Thr'd Cap	BONNEY FORGE	DD18	N/A	pc.#24	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No
2" Tee	BONNEY FORGE	Z755	N/A	pc.#21	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#6	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



**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 15, 1990  
1201 Market St., Philadelphia, PA 19101 Sheet 2 of 4

2. Plant Pressurized Water Reactor Atomic Power Station Unit 2  
Delta, PA 17314 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.

3. Work Performed by Philadelphia Electric Company  
1201 Market St., Philadelphia, PA, 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III 1980 Edition, Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sht. 19	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore RCIC							
2" 90° Ell	LADISH	BB7S	N/A	pc.#17	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#7	N/A	Replaced	No
2" 45° Ell	BONNEY FORGE	Z582	N/A	pc.#19	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#8	N/A	Replaced	No
2" Coupling	BONNEY FORGE	DF76	N/A	pc.#22	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#10	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#29	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#11	N/A	Replaced	No
2" Cap	BONNEY FORGE	DD18	N/A	pc.#25	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#12	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#30	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#13	N/A	Replaced	No
2" Thr'd Cap	BONNEY FORGE	DD18	N/A	pc.#26	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#14	N/A	Replaced	No
2" Plug Valve	XOMOX	R353K	N/A	pc.#33	N/A	Replaced	No

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

Owner Philadelphia Electric Company  
1001 Market St. Philadelphia, PA 19101

Date February 15, 1990  
Shooting 3 at 4

2. Plant Reger Atom Atomic Power Station

Unit 2  
Mod 2106  
Phil. Electric Nuclear Engineering  
Model GRADUATION # 2 10. 10 06 Sept.

2. Work performed by \_\_\_\_\_

\* continuation of System Emergency Service Water, Mechanical System No. 12

1. (a) Applicable Construction Code ASME 1980 Edition, Winter 1981 License N/A Date Code

5) Applicable Edition of Section 20 Utilized for Purpose of Reduction: 80, Winter 1971 Exempt 11-208 250 Cash

#### 5. Identification of Curriculum Resources or Resources and Assessment Curriculum

[illegible]

## FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic ☒Inspection ☐Normal Operating Pressure ☐Other ☐

Pressure

100

PS

Test Temp.

Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

Robert H. Hoffman  
41370

ASME Tech. Installation Form

Date

2-15

Year

90

## 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 Province of PENNSYLVANIA and employed by Hartford Steam Boiler Inspection & Insurance Co. have inspected the components contained in the Owner's Report during the dates 12/1/89 to 2/21/90 and deem this to the best of my knowledge and belief. The Owner has submitted observations and taken corrective measures contained in the 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 observations and corrective measures contained in the 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.

Michael J. King

Certificate

NB 8491 PA. 2478

Date

Feb. 21

is

90



# 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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Shop 2 of 2
2. Plant Beacon Bottom Atomic Power Station Unit 3  
Delts. PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P. C. No. 100, 101, 102
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Description of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Assess or Reassessments is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Component(s) Assessed or Reassessed and Replacement Component(s)

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Certification	Year Built	Required, Replaced, or Replacement	ASME Code Stamped: Yes or No
Small Bore RCIC				FSK-M-3033 Sht. 59			
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" 45° Ell	BUNNEY FORGE	2584	N/A	pc.#8	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2" R.F. Flange	COFFER	AJLE	N/A	pc.#13	N/A	Replaced	No
2" R.F. Flange	COFFER	AJLE	N/A	pc.#14	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No
2" 90° Ell	LADISH	BB/S	N/A	pc.#11	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#6	N/A	Replaced	No
2" R.F. Flange	COFFER	AJLE	N/A	pc.#15	N/A	Replaced	No
2" R.F. Flange	COFFER	AJLE	N/A	pc.#12	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#7	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

## FORM NIS-2 (Back)

1. Tests Conducted

Hydrostatic

Pneumatic

Normal Operating Pressure

Date

Pressure

100

ps

Test Temp.

Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

R. L. King

Lead Techn. Installation Insp.

Date

2-15

90

## CERTIFICATE OF INSERVICE INSPECTION

 I, the undersigned, holding a valid certification issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania and employed by Hartford Steam Boiler Inspection Insurance Co. have inspected the components described in the Owner's Report during the dates 2/21/90 to 2/21/90 and seen that to the best of my knowledge and belief, the Owner has complied with the requirements and taken corrective measures described in the 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, expression of opinion, concerning the components and corrective measures described in the 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.

Michael J. King

Commission

NB 8491 PA 2498

Date

Feb. 21

19

90

# 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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III: 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component Small Bore RCIC	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 60	Year Built	Required, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1 1/2" x 3/4" Red Tee	BONNEY FORGE	2481	N/A	pc.#23	N/A	Replaced	No
1 1/2" Ø Sch. 80 Pipe	QUANTEX	295192	N/A	pc.#1	N/A	Replaced	No
1 1/2" Ø Sch. 80 Pipe	QUANTEX	286842	N/A	pc.#2	N/A	Replaced	No
1 1/2" 90 deg. Ell.	LADISH	ZYM	N/A	pc.#14	N/A	Replaced	No
1 1/2" Ø Sch. 80 Pipe	QUANTEX	286842	N/A	pc.#3	N/A	Replaced	No
1 1/2" x 3/4" Red Tee	BONNEY FORGE	2481	N/A	pc.#24	N/A	Replaced	No
1 1/2" Ø Sch. 80 Pipe	QUANTEX	295192	N/A	pc.#4	N/A	Replaced	No
1 1/2" Flange	LADISH	RR2R	N/A	pc.#30	N/A	Replaced	No
1 1/2" Flange	LADISH	RR2R	N/A	pc.#31	N/A	Replaced	No
1 1/2" Ø Sch. 80 Pipe	QUANTEX	295192	N/A	pc.#29	N/A	Replaced	No
1 1/2" x 3/4" Red Tee	BONNEY FORGE	2481	N/A	pc.#25	N/A	Replaced	No
1 1/2" Ø Sch. 80 Pipe	QUANTEX	295192	N/A	pc.#5	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



**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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 2 of 3


2. Plant Beacon Bottom Atomic Power Station Unit 3  
Beacon, PA 17814 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept. 82

3. Work Performed by Philadelphia Electric Company  
2201 Market St. Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME 1980 Edition, Winter 1981 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter 1981 Addenda N-208 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore RCIC				FSK-M-3033 Sheet 60 			
1 1/2" 90 deg. Ell	LADISH	ZYM	N/A	pc.#15	N/A	Replaced	No
1 1/2" x 1 1/4" Red Insert	BONNEY FORGE	BZ57	N/A	pc.#22	N/A	Replaced	No
1 1/4" Ø Sch. 80 Pipe	QUANTEX	282792	N/A	pc.#6	N/A	Replaced	No
1 1/4" F. F. Flange	COFFER	AMWQ	N/A	pc.#20	N/A	Replaced	No
3/4" Ø Sch. 80 Pipe	QUANTEX	268672	N/A	pc.#10	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#27	N/A	Replaced	No
3/4" Ø Sch. 80 Pipe	QUANTEX	268672	N/A	pc.#8	N/A	Replaced	No
3/4" Ø 90deg. Ell	BONNEY FORGE	Z434A	N/A	pc.#16	N/A	Replaced	No
3/4" Ø Sch. 80 Pipe	QUANTEX	268672	N/A	pc.#12	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#26	N/A	Replaced	No
3/4" Ø Sch. 80 Pipe	QUANTEX	268672	N/A	pc.#13	N/A	Replaced	No
3/4" Ø Sch. 80 Pipe	QUANTEX	268672	N/A	pc.#7	N/A	Replaced	No

## FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic



Shrinkage



Nominal Operating Pressure



Other



Pressure

100

PS

Test Temp.

Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

*Robert A. King*

Lead Techn. Installation Sign.

Date

2-15

90

Robert A. King  
2/15/90

## 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 Hartford Steam Boiler I. & E. Co. have inspected

the components described in the Owner's Report during the dates 12/1/88 to 2/23/90 and seen that to the best of my knowledge and belief, the Owner has corrected examinations and taken corrective measures described in the 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 the 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.

*Michael J. King*

Commission

N.B. 8491 PR. 2498

Date

Feb. 23


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# 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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 4
2. Plant Peach Bottom Atomic Power Station Unit 2  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P. 2, No. 10, No. 11
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III: 80 Edition Winter '81 Agency N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Agency N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Required, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore RCIC				FSK-M-3033 Sheet 61 			
1 1/4" F. F. Flange	COFFER	AMWQ	N/A	pc.#30	N/A	Replaced	NO
1 1/4" Ø Sch. 80 Pipe	QUANTEX	282792	N/A	pc.#14	N/A	Replaced	No
2" 90deg. Ell.	BONNEY FORGE	Z616	N/A	pc.#17	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANTEX	296112	N/A	pc.#1	N/A	Replaced	No
2" R. F. Flange	COFFER	ABSF	N/A	pc.#37	N/A	Replaced	No
2" R. F. Flange	COFFER	ABSF	N/A	pc.#38	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANTEX	296112	N/A	pc.#36	N/A	Replaced	No
2" x 3/4" Red. Tee	CAPITAL MANUFACTURE	R84R	N/A	pc.#32	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANTEX	296112	N/A	pc.#2	N/A	Replaced	No
2" Plug Valve	XOMOX	SP-R352K	N/A	pc.#34	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANTEX	296112	N/A	pc.#3	N/A	Replaced	No
2" 90deg. Ell.	LADISH	BB7S	N/A	pc.#18	N/A	Replaced	No


7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



# 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 15, 1990  
2201 Market St., Philadelphia, PA 19101 Sheet 2 of 4  
 2. Plant Beacon Bottom Atomic Power Station Unit 3  
Delco, PA 17014 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.  
 3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA, 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 22  
 5. (a) Applicable Construction Code ASME III 19 80 Edition, Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 61	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore RCIC							
2" Ø Sch. 80 Pipe	QUANTEX	296112	N/A	pc. #4	N/A	Replaced	No
2" 90deg. Ell.	LADISH	BB7S	N/A	pc. #19	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANTEX	296112	N/A	pc. #5	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc. #28	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANTEX	296112	N/A	pc. #6	N/A	Replaced	No
2" Cap. Thr'd	BONNEY FORGE	DD18	N/A	pc. #26	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANTEX	296112	N/A	pc. #7	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc. #29	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANTEX	296112	N/A	pc. #8	N/A	Replaced	No
2" Thr'd Cap	BONNEY FORGE	DD18	N/A	pc. #27	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANTEX	296112	N/A	pc. #9	N/A	Replaced	No
2" Coupling	CAPITAL MANUFACTURE	845	N/A	pc. #25	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANTEX	296112	N/A	pc. #10	N/A	Replaced	No
2" 45 deg. Ell.	LADISH	C296	N/A	pc. #23	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANTEX	296112	N/A	pc. #12	N/A	Replaced	No

1. Owner Philadelphia Electric Company Date February 15, 1990  
2001 Market St. Philadelphia, PA 19101 Sheet 3 of 4  
 2. Plant Reson Bottom Atomic Power Station Unit 2  
State, PA 17014 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.  
 3. Work Performed by Philadelphia Electric Company  
2001 Market St. Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 22  
 5. (a) Applicable Construction Code ASME 1980 Edition, Winter '81 Agency N/A Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter 1981 Agency N-208 Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

66

FORM NIS-2 (Back)

1. Tests Conducted: ☒ Hydrostatic ☐ Pneumatic ☐ Normal Operating Pressure ☐  
 Other ☐ \_\_\_\_\_  
 Pressure 102 psi Test Temp. Ambient °F

2. Remarks A +  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None  
 Certificate of Authorization No. None Expiration Date N/A  
 Signed R. Thompson Lead Mech. Installation Exam. Date 2-15 '90  
Robert Thompson 2/15/90

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid certification issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania and employed by Hartford Steam Boiler Insp have inspected the components described in the Owner's Report during the dates 12/1/88 to 2/22/90 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 the 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] PT 2163 NB 7592  
 Date Feb 23 '90



# 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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Shop 1 # 3  
 2. Plant Beach Bottom Atomic Power Station Unit 3  
Catta, PA 17314 Phila. Electric NED, Mod 2106  
 3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101  
 4. Description of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Construction Code ASME III-80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case  
 6. Identification of Component's Records or Records and Assessment Certificates

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Required, Replaced, or Replacement	ASME Code Stamped: Yes or No
Small Bore RCIC				FSK-M-3033 Sht. 62			
2" 0 Sch. 80 Pipe	QUANEX	296112	N/A	pc.#7	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#17	N/A	Replaced	No
2" 0 Sch. 80 Pipe	QUANEX	296112	N/A	pc.#8	N/A	Replaced	No
2" Thr'd Cap	BONNEY FORGE	DD18	N/A	pc.#24	N/A	Replaced	No
2" 0 Sch. 80 Pipe	QUANEX	296112	N/A	pc.#6	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#18	N/A	Replaced	No
2" 0 Sch. 80 Pipe	QUANEX	296112	N/A	pc.#9	N/A	Replaced	No
2" Thr'd Cap	BONNEY FORGE	DD18	N/A	pc.#23	N/A	Replaced	No
2" 0 Sch. 80 Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No
2" 90° Ell	LADISH	BB7S	N/A	pc.#15	N/A	Replaced	No
2" 0 Sch. 80 Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2" Plug Valve	XOMOX	SP-R352K	N/A	pc.#25	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

**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 15, 1981  
1201 Market St. Philadelphia, PA 19101 Sheet 2 of 3  
 2. Plant Reagan Bottom Atomic Power Station Unit 1  
Delco, PA 17014 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.  
 3. Work Performed by Philadelphia Electric Company  
1201 Market St. Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Construction Code ASME III 1980 Edition Winter 1981 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter 1981 Addenda N-208 Code Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore RCIC				FSK-M-3033 Sheet 62			
2" Ø Sch. 80 Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2" R. F. Flange	COFFER	ABSF	N/A	pc.#28	N/A	Replaced	No
2" R. F. Flange	COFFER	ABSF	N/A	pc.#29	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANEX	296112	N/A	pc.#27	N/A	Replaced	No
2" 90 Deg. Ell.	LADISH	BB7S	N/A	pc.#14	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" X 3/4" Red.Tee	BONNEY FORGE	W358	N/A	pc.#20	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" 90 Deg. Ell.	LADISH	BB7S	N/A	pc.#13	N/A	Replaced	No
2" X 1 1/4" Red. Insert	BONNEY FORGE	CW78	N/A	pc.#19	N/A	Replaced	No
1 1/4" Ø Sch. 80 Pipe	QUANEX	282792	N/A	pc.#10	N/A	Replaced	No
1 1/4" F.F.Flange	COFFER	AMWQ	N/A	pc.#21	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#11	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#26	N/A	Replaced	No
3/4" Ø Sch. 80 Pipe	QUANEX	268672	N/A	pc.#12	N/A	Replaced	No

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### REFERENCES

## CONCLUSIONS

உறுப்பினர் சந்திரசேகர சிவசாமி

332

1992/93

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Test forms.

△ 附錄 2 植物表

1. Term(s):

NO CERTAIN THAT THE STATEMENTS MADE IN THE REPORT W/O CORRECT AND THIS non-incident conforms to the rules of the ASAC Case.

Two Case Symbol Stamp

Continued on next page

Expiration Date

N/A

## Scores

Albuquerque Tech. Installation Form

2000

2.15

96

I, the undersigned, holding a valid commission issued by the National Board of Fire and Protective Vehicle Inspectors and the State of Pennsylvania  
at Pennsylvania and operating on 14242nd Street, Bala, Pa.

[illegible]

ALL INFORMATION ON 142424 from 15-12-20

1990-1991

The undersigned certifies to the Owner's Agent that the above 24142 is 3/5/90 the date that the date of the ownership was fixed. The Owner has examined the records and taken appropriate measures to ensure that the records in connection with the instrument of the ASAC Case, Section 11.

By signing this document, neither the Government nor the contractor makes any warranty, representation or finding, concerning the effectiveness and corrective measures contained in the Quality Action Plan. Further, neither the Government nor the contractor shall be liable in any manner for any personnel injury or property damage or a loss of any kind arising out of or connected with this agreement.

*[Handwritten signature]*

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PA 2143 NB 7542

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# 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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 2 of 3
2. Plant Reagan-Bonomi Atomic Power Station Unit 3  
Derry, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P. O. No. 228 Feb. 88.
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-80 Edition Winter '83 Addenda N/A Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '83 Addenda N-308 Code Case \_\_\_\_\_
6. Identification of Components Replaced or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 63	Year Built	Required Replaced or Replacement	ASME Code Stamped Yes or No
Small Bore RCIC							
2" Ø Sch. 80 Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" 90 Deg. Ell.	LADISH	BB7S	N/A	pc.#9	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" 90 Deg. Ell.	LADISH	BB7S	N/A	pc.#10	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2" R F Flange	COFFER	AJLE	N/A	pc.#14	N/A	Replaced	No
2" R F Flange	COFFER	AJLE	N/A	pc.#15	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2" R F Flange	COFFER	AJLE	N/A	pc.#16	N/A	Replaced	No
2" R F Flange	COFFER	AJLE	N/A	pc.#17	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No
2" 45 Deg. Ell.	BONNEY FORGE	Z584	N/A	pc.#13	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

As Required by the Provisions of the ASME Code Section XI

Date February 15, 1946  
Sheet 2 of 3

Unit 2  
Mod 2106  
Phis. Electric Nuclear Engineering  
Food Organization P 2 10 10 10 10 Sept.

#### 5. Identification of Components Required or Replaces and Replacement Components

[illegible]

FORM NIS-2 (Back)

1. Tests Conducted: ☒ Hydrostatic ☐ Radiographic ☐ Initial Operating Pressure ☐  
 Other ☐  
 Pressure 100 ps Test Temp. Ambient °F

2. Remarks: 1. R  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None  
 Certificate of Authorization No. None Expiration Date N/A  
 Signed R. Simpson Lead Mech. Installation Date 2.15 '90  
Robert Simpson 2/15/90

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 Province of PENNSYLVANIA and employed by Hartford Steam Boiler L.L.C.

have performed the examinations described in the Owner's Report during the dates 12/1/88 to 2/23/90 and deem this to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 the 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.


Michael J. King Commission No. 8491 PA 2498  
 Date Feb 23 19 90



# 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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 4
2. Plant Reactor Station Atomic Power Station Unit 3  
Code: PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P.C. No. 100 No. 11
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 13
5. (a) Applicable Construction Code ASME III: 80 Edition Winter '81 Agency N/A Code Case  
 (b) Applicable Edition of Section XI Unlabeled for Repairs or Replacements is 80, Winter '81 Agency N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 64 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore RCIC							
2" 90 deg. Ell.	BONNEY FORGE	2749	N/A	pc.#15	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANTEX	296112	N/A	pc.#1	N/A	Replaced	No
2" 90 Deg. Ell.	BONNEY FORGE	2519	N/A	pc.#16	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANTEX	296112	N/A	pc.#2	N/A	Replaced	No
2" Coupling	LADISH	0845	N/A	pc.#23	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANTEX	296112	N/A	pc.#3	N/A	Replaced	No
2" Plug Valve	XOMOX	R353K	N/A	pc.#28	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANTEX	296112	N/A	pc.#4	N/A	Replaced	No
2" 90 Deg. Ell.	LADISH	BB7S	N/A	pc.#17	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANTEX	296112	N/A	pc.#5	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#21	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANTEX	296112	N/A	pc.#6	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**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 15, 1990  
1201 Market St., Philadelphia, PA 19101 Sheet 2 of 4  
 2. Plant Peconic Atom Atomic Power Station Unit 2  
Cons. # 17314 Mod 2106  
Phil. Electric Nuclear Engineering  
 3. Work Performed by Philadelphia Electric Company Dept.  
1201 Market St., Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Construction Code ASME III '80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-908 Code Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore RCYC				FSK-M-3033 Sheet 64 			
2" Thr'd Cap.	BONNEY FORGE	DD18	N/A	pc.#24	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANTEX	296112	N/A	pc.#7	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#22	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANTEX	296112	N/A	pc.#8	N/A	Replaced	No
2" Thr'd Cap.	BONNEY FORGE	DD18	N/A	pc.#25	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANTEX	296112	N/A	pc.#9	N/A	Replaced	No
2" x 3/4" Red. tee	BONNEY FORGE	W358	N/A	pc.#27	N/A	Replaced	No
3/4" Ø Sch. 80 Pipe	QUANTEX	268672	N/A	pc.#13	N/A	Replaced	No
3/4" Ø Plug Valve	XOMOX	R353	N/A	pc.#29	N/A	Replaced	No
3/4" Ø Sch. 80 Pipe	QUANTEX	268672	N/A	pc.#14	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANTEX	296112	N/A	pc.#10	N/A	Replaced	No
2" 90 Deg. Ell.	LADISH	BB7S	N/A	pc.#18	N/A	Replaced	No
2" Ø Sch. 80 Pipe	QUANTEX	296112	N/A	pc.#11	N/A	Replaced	No
2" 90 Deg. Ell.	BONNEY FORGE	2749	N/A	pc.#30	N/A	Replaced	No
2" 90 Deg. Ell.	BONNEY FORGE	2749	N/A	pc.#31	N/A	Replaced	No

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

2001 Market St. Philadelphia, PA 19101

DATE February 15, 1990  
Sheet 3 of 4

REGULATORY AGENCY: NUCLEAR REGULATORY COMMISSION

Mod 2106

Work Assembled by

	DATE	BY	REMARKS
1981	10-10-81	J. J.	10-10-81

\* CONTINUATION OF SYSTEM Emergency Service Water, Mechanical System No. 2

5. a) Applicable Construction Code: ASME "C" '90 Section: Winter '91 Article: N/A Date: Feb 81

b) Applicable Edition of Section XI Utilized for Repair or Replacement is 80, Winter 1971 Revisions: None See Case

### 5. Identification of Components Required or Replaced and Replacement Components

[illegible]



## FORM NIS-2 (Back)

2. Tests Conducted: HYDROSTATIC ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ \_\_\_\_\_  
 Pressure 102 ps Test Temp. Ambient °F

3. Remarks N/A

## 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

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Signed R. Simpson Lead Mech. Installation Engr.

Date 2 15 19 90

Robert Hoffman 2/15/90

## CERTIFICATE OF INSERVICE INSPECTION

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 Hartford Steam Boilers Corp. have inspected the components described in this Owner's Report during the dates 12/1/88 to 2/29/90 and seen 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]  
 Date Feb. 23 19 90

Commissioners PA 2143 NB 7592

# 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 14, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 2
2. Plant Reagan-Bethesda Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
Form NIS-200, P.O. Box 100, Phila., Pa.
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III is 80 Edition Winter '81 Agency N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Agency N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Large Bore Torus				Dwg. ISO 3-33-4 Sheet 1 			
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 002	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 003	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 004	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 005	N/A	Replaced	No
3" plug valve	XOMOX	R353K	N/A	30901B	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 006	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-351AC	N/A	Spool 007	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-351AC	N/A	Spool 008	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-351AC	N/A	Spool 009	N/A	Replaced	No
3" plug valve	XOMOX	R353K	N/A	30901D	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

Torus ISO 3-33-4 Sht. 1

FORM NIS-2 (Back)

4. Tests Conducted: ☒ Hydrostatic ☐ Burst ☐ Nominal Operating Pressure ☐  
 Other ☐ \_\_\_\_\_  
 Pressure 100 ps Test Temp. Ambient °F

5. Remarks: N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: None

Certificate of Authorization No. None Expiration Date N/A

Signed R. Thompson Lead Mech. Installation Insp. Date 2/14 1990  
Robert Haffner 2/14/90

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 Hochstadt Steam Boiler Insp. and  
Ind. Co.  
 the examinations conducted in the Owner's Report during the dates 12/1/88 to 2/15/90 and based  
 this to the best of my knowledge and belief, the Owner has accepted examinations and taken corrective measures described in the 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, expression of opinion, concerning the examinations and  
 corrective measures described in the 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 2163 NB 7592  
 Date Feb. 15 1990



# 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 Feb 14 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 1
2. Plant Peach Bottom Atomic Power Station Unit 3  
Cerra, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P.D. No. 100, Rev. 10
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Description of System Emergency Service Water, Mechanical System No. 13
5. (a) Applicable Construction Code ASME III 1980 Edition Winter '81 Addenda N/A Code Case   
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case
6. Identification of Components Repaired or Replaced and Reassessment Comments

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification Dwg. ISO 3-33-4 Sheet 2 	Year Built	Required, Repaired, or Replacement	ASME Code Stamped Yes or No
Large Bore Torus							
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 010	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 013	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 014	N/A	Replaced	No
3" plug valve	XOMOX	R353K	N/A	30900B	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 015	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 011	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-351AC	N/A	Spool 012	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 016	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 017	N/A	Replaced	No
3" plug valve	XOMOX	R353K	N/A	30900D	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 018	N/A	Replaced	No
3" pipe	US STEEL	42427	N/A	Spool 020	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

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

Center Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101

Date February 14, 1940  
Sheet 2 of 3

Plant Reagan-Bottom Atomic Power Station  
Date 08/02/84

Unit 2  
Mod 2106  
Phil. Electric Nuclear Engineering  
Power Generation, P. 2, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840,

2. Work Performed by Philadelphia Electric Company  
2801 Market St. Philadelphia, PA. 19101

4. IDENTIFICATION of System Emergency Service Water, Mechanical System No. 32

5. (a) APPLICABLE CONSTRUCTION CODE ASME III '80 Edition, Winter '81 Reference 1.1 Case Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '91 Agency: N-308 Site Code:           

#### 5. Identification of Components Required or Replaced and Replacement Components

[illegible]

Torus ISO 3-33-4 Sht. 2

## FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic



Insulated



Nominal Operating Pressure



Date



Pressure 102

ps

Test Temp.

Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

Robert H. Hoffman  
2/14/90

Lead Tech. Installation Exam.

Date

2-14

19

90

## 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 Hartford Steam Boiler Tank & Iron Works Co. have inspected the conditions contained in the Owner's Report during the dates 12/1/88 to 2/2/89 and have this to the best of my knowledge and belief, the Owner has corrective examinations and taken corrective measures described in the 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 the 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.

Date

Feb. 27

19

90

Commission

PC 2143 NB 7392



# 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 14 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 2
2. Plant Peach Bottom Atomic Power Station Unit 3  
Certs. PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P.D. No. 100, 101, 102
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Description of System Emergency Service Water, Mechanical System No. 13
5. (a) Applicable Construction Code ASME III, 80 Edition Winter '81 Addenda N/A Code Case   
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Reassessment Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. ISO 3-33-5 Sheet 1 <u>A</u>	Year Built	Required, Repaired, or Replacement	ASME Code Stamped Yes or No
Large Bore Torus							
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 002	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 003	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 010	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 004	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 005	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 006	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 007	N/A	Replaced	No
6" plug valve	XOMOX	R353K	N/A	30916	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 008	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 009	N/A	Replaced	No
3" plug valve	XOMOX	R353K	N/A	30901C	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

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

Owner Philadelphia Electric Company  
2201 Market St. Philadelphia, PA 19101

DATE February 14 1960  
SHEET 2 OF 3

2. Reactor System Atomic Power Station

Unit 2  
Mod 2106  
This Electric Nuclear Engineering  
Level Classification: F G H and M. ad. Dept.

Work performed by 244130619949 244130619949 244130619949  
244130619949 244130619949 244130619949

4. certification of system Emergency Service Water, Mechanical System No. 121. Applicable Construction Code ASME 1980 Edition, Winter '81 License N/A Date 1/1/81

51. Applicable Edition of Section 30 Utilized for Repairs or Replacements is 30, Winter 1991 Agenda N-708 Case 2000

#### 5. Identification of Components Required of Requests and Replacement Components

[illegible]

Torus ISO 3-33-5 Sht. 1

## FORM NIS-3 (Back)

## 1. Tests Conducted:

Hydrostatic ☒Insights ☐Nominal Corrosion Pressure ☐Date ☐Pressure 102 psTest Temp. Ambient °F

## 2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NoneCertificate of Authorization No. NoneExpiration Date N/A

Signed

R. L. Simpson  
Robert Simpson 2/14/90

Lead Mech. Installation Form

Date

2-1490

## 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 Hartford Steam Boiler Insp. and Ins. Co. have inspected the conditions covered in the Owner's Report during the dates 12/1/89 to 2/1/90 and seen that to the best of my knowledge and belief, the Owner has corrected deficiencies and taken corrective measures described in the 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 conditions and corrective measures described in the 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.

M. F. [Signature]  
Inspector's Signature

Commission

PA 2163 NB 7592

Date

Feb 12

19


90



# 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 14, 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Reactor Bottom Atomic Power Station Unit 3  
Delco, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P. 2, 10, and 11, 12
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III, 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case
6. Identification of Components Repaired or Replaced and Reassessment Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. ISO 3-33-5 Sheet 2 	Year Built	Required, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Large Bore Torus							
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 019	N/A	Replaced	No
3" plug valve	XOMOX	R353K	N/A	30900C	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 020	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 021	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 011	N/A	Replaced	No
6" plug valve	XOMOX	R353K	N/A	30909	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 012	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 013	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 014	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 015	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 016	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 017	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

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

General Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101

Date February 14, 1990  
Sheet 2 of 3

2. Reactor System Atomic Power Station  
Date: 24-11-14

Unit 2  
Mod 2106  
Phil. Technia Union Training  
near Greenham, P. M. and N. S. Dept.

2. Work Performed by Shalco Electric Company  
1993  
2003 12/15/03 24 Shalco Electric, PA, 19101

4. certification of system Emergency Service Water, Mechanical System No. 22

1. a) Applicable Construction Code ASME III '80 Edition Winter '81 Agency N/A Code Case

b) Applicable Edition of Section 60 Utilized for Release or Replacements is RD, Winter '81 Agency M-208 Case Case

### 5. Identification of Components Required or Replaced and Replacement Components

[illegible]

FORM NIS-2 (Back)

1. Tests Conducted: ☒ Hydrostatic ☐ Penetration ☐ Normal Corrosion Pressure ☐  
 Other ☐ \_\_\_\_\_  
 Pressure 100 ps Test Temp. Ambient °F

2. Remarks A A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None  
 Certificate of Authorization No. None Expiration Date N/A  
 Signed R. Simpson Lead Mech. Installation Eng. Date 2-14 '90  
Robert Heffner 2/14/90

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 Hartford Steam Boiler Insp. Co. have performed the examinations required in the Owner's Report during the dates 12/1/88 to 2/12/90 and have true to the best of my knowledge and belief, the Owner has corrected deficiencies and taken corrective measures according to the 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 contained in the 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.

M. Fishman Commissioner PA 2143 NB 7592  
 Date Feb. 15 '90



# 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 14, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Reagan-Bottom Atomic Power Station Unit 3  
Conshohocken, PA 17314 Phila. Electric NED, Mod 2106
3. Work performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Description of System Emergency Service Water, Mechanical System No. 13
5. (a) Applicable Construction Code ASME III-80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case
6. Identification of Components Repaired or Replaced and Reassessment Comments

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. ISO 3-33-6 Sheet 1/4	Year Built	Repaired, Replaced, or Replacement	ASME Code Status (Yes or No)
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 002	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 003	N/A	Replaced	No
6" pipe	US STEEL	A40946	N/A	Spool 003A	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 004	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 005	N/A	Replaced	No
3" 45 deg. ell	LADISH	DA6H	N/A	Spool 010	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 006	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 007	N/A	Replaced	No
3" plug valve	XOMOX	R353K	N/A	30901A	N/A	Replaced	No
3" pipe	US STEEL	L42427	N/A	Spool 011	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

1. Owner Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101

2. Plant Reagan-Bethesda Atomic Power Station  
Calver, PA 17014

3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA, 19101

4. Identification of System Emergency Service Water, Mechanical System No. 32

5. (a) Applicable Construction Code ASME III '90 Edition Winter '81 Addenda N/A Code Case \_\_\_\_\_

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case \_\_\_\_\_

6. Identification of Components Required or Replaced and Replacement Components \_\_\_\_\_

Date February 14, 1990  
Sheet 2 of 3  
Unit 3  
Mod 2106  
Phila. Electric Nuclear Engineering  
Local Organization, P.O. Box 100, N.E. Dept. \_\_\_\_\_

Torus ISO 3-33-6 Sht. 1

## FORM NIS-2 (Back)

1. Tests Conducted: ☒ Hydrostatic ☐ Insulated ☐ Minimum Operating Pressure ☐  
 Other ☐ \_\_\_\_\_  
 Pressure 102 ps Test Temp. Ambient °F

2. Remarks N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None

Certificate of Approval No. None Expiration Date N/A

Signer R. Simpson Lead Tech. Installation Form Date 2-14-90  
Robert H. Simpson 2/14/90

## 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 Province of Pennsylvania and employed by Hartford Steam Boiler & T. Co.

have inspected the components described in the Owner's Report during the dates 2/20/90 to 2/21/90 and deem this to the best of my knowledge and belief. The Owner has satisfied requirements and taken corrective measures described in the 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 the 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.


Michael J. King Commission NB 8491 PA 2498  
 Date Feb. 21 19 90



# 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 14, 1991  
2201 Market St. Philadelphia, PA 19101 Sheet 2 of 2
2. Plant Peach Bottom Atomic Power Station Unit 3  
Certs. PA 17314 Phila. Electric NED, Mod 1, 06  
Under Construction, P. 2, Vol. 100, Vol. 101
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 23
5. (a) Applicable Construction Code ASME III, § 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg ISO 3-33-6 Sheet 2 	Year Built	Required, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Large Bore Torus							
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 010	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 011	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 012	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 013	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 014	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 015	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 016	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 017	N/A	Replaced	No
3" plug valve	XOMOX	R353K	N/A	30900A	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

FORM NIS-2 (Back)

1. Test Conducted: ☒ Hydrostatic ☐ Pneumatic ☐ Vacuum Chamber Pressure ☐  
☐ Other \_\_\_\_\_  
Pressure: 100 psi Test Temp: Ambient °F

2. Remarks: N/A  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
ASME NIS-2 (Back) Form is to be used

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: None  
Certificate of Authorization No: None Expiration Date: N/A  
Signed: R. Simpson Lead Mech. Installation Eng. Date: 2-14-90  
Robert Heffner 2/14/90

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 Hartford Steam Boiler Inspr. and have inspected the components described in the Owner's Report during the dates 12/1/88 to 2/15/90 and deem true to the best of my knowledge and belief, the Owner has corrected deficiencies and taken corrective measures described in the 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 the 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.

M. F. [Signature] Date: Feb 15 19 90  
Certificate No: PA 2163 NB 7592

# 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 14, 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 2
2. Plant Reagan Spectrum Atomic Power Station Unit 3  
Contra. PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P.D. No. 100 No. 10
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III 1980 Edition, Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. ISO 3-33-7	Year Built	Required, Replaced, or Replacement	ASME Code Stamped Yes or No
Large Bore Torus							
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 002	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 003	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 004	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 005	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 006	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 007	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 008	N/A	Replaced	No
8" plug valve	XOMOX	R353K	N/A	30914	N/A	Replaced	No
6" plug valve	XOMOX	R353K	N/A	30915	N/A	Replaced	No
6" plug valve	XOMOX	R353K	N/A	30921	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 005A Original Spool 5	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



Torus ISO 3-33-7

FORM NIS-2 (Back)

4. Tests Conducted

Hydrostatic ☒ Insulated ☐ Nominal Operating Pressure ☐  
 Other ☐  
 Pressure 100 ps Test Temp. Ambient °F

5. Remarks

N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None

Certificate of Authorization No. None Expiration Date N/A

Signed Robert H. Hoffman Lead Mech. Installation Eng. Date 2-14, 90  
2/14/90

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the ASME Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania and employed by Hartford Steam Boiler Insp. & Ins. Co. have inspected the components described in the Owner's Report during the dates 12/1/88 to 2/15/90 and deem that to the best of my knowledge and belief, the Owner has corrected deficiencies and taken corrective measures described in the 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 deficiencies and corrective measures described in the Owner's Report. Furthermore, neither the inspector nor his employer shall be held in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

H. F. Hoffman Commission PA 21163 NB 7597  
 Date Feb. 15, 90

# 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 14, 1990  
2201 Market St. Philadelphia, PA 19101 Shop 1 in 3
2. Plant Peach Bottom Atomic Power Station Unit 3  
Certs. PA 17314 Phila. Electric NED, Mod 2106  
ASME NED, Mod 2106
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 12
5. (a) Applicable Construction Code ASME III 1980 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Purposes of Assessments is 80, Winter '81 Addenda N-2608 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	ASME Board No.	Other Identification Dwg. ISO 3-33-8	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped? (Yes or No)
Large Bore Torus							
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 002	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 003A	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 003B	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 004	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 005	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 005A	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 006	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 007	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 008	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 009	N/A	Replaced	No
(originally 3-33-21, Spool 001)							

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

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

General Philadelphia Electric Company  
1001 Market St. Philadelphia, PA 19101

Case February 17, 1940  
Sheet 2 of 3

2. Plant Reger Bottom Atomic Power Station  
Date: 04-11-14

Mod 2106  
Phil. Flannery Nuclear Engineering  
1968 University of C. Ill. and Phil. Ill. Sept.

2. WORK PERMITTED BY PHILADELPHIA ELECTRIC COMPANY  
DATE 1961  
BY PHILADELPHIA ON 10/10

4. correction of system Emergency Service Water, Mechanical System No. 12

5. (a) ADDRESS: CONSTRUCTION CODE ASME "C" '80 Edition, Winter '81 License: N/A Case Case

7b) Applicable edition of Section XI Utilized for Reports or Recommendations is 80, Winter '81 Agency N-208 Case Case

### 5. Identification of Components Addressed or Addressed and Readdressed Components

[illegible]



FORM NIS-2 (Back)

1. Test Conductor

Hydrostatic ☒

Leak Test ☐

Nominal Operating Pressure ☐

Date ☐

Pressure

100

ps

Test Temp.

Ambient

°F

2. Remarks

N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Serial

Robert J. [Signature]  
2/14/90

Heat Exchanger Mech. Installation Log

Date

2-14

90

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid certification issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania at Pennsylvania, was employed by Hartford Steam Boiler Insp. and Ins. Co.

The examination conducted in the Owner's Report during the dates 12/1/88 to 2/15/90 and was true to the best of my knowledge and belief. The Owner has corrected deficiencies and their corrective measures recorded in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the undersigned nor the employer makes any warranty, guarantee or express, representing the completeness and corrective measures recorded in the Owner's Report. Furthermore, neither the undersigned nor the 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]

Pa 2143 NB 7592

Date Feb 15 19 90

# 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 Feb 14, 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 2 of 3
2. Plant Peach Bottom Atomic Power Station Unit 3  
Delco, PA 17314 Phila. Electric NED, Mod 2106
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ANSI B31.1 is 73 Edition, Summer 73 Addenda N/A Code Case
- (b) Applicable Edition of Section XI Utilized for Repair or Replacement is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component Large Bore RBCCW	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. ISO 3-33-12	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 002	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 003	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 004	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 005	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 006	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 007	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 008	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 009	N/A	Replaced	No
4x4 tube steel	UNR LEAVITT	W63067	N/A	S130	N/A	Replaced	No
4x4 tube steel	UNR LEAVITT	W63067	N/A	H135	N/A	Replaced	No
1/2" plate	BETHLEHEM STEEL	412K2452	N/A	H142	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

As Required by the Provisions of the ASME Code Section XI

Unit 3  
Mod 2106  
Phila. Electric Nuclear Engineering  
Power Generation, P.E. No. 2106, 2106, 2106 Dept.

#### E. Identification of Components: Repairs or Replaced and Replacement Components



Torus ISO 3-33-12

FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic ☒

Leakage ☐

Nominal Operating Pressure ☐

Other ☐

Pressure 102

PS

Test Temp.

Ambient

°F

3. Remarks

N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

*Robert H. Hoffman*  
2/14/90

Lead Mech. Installation Reg.

Date

2-14

90

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 Province of Pennsylvania and employed by Hartford Steam Boiler Insp. & Ins. Co.

have inspected the components described in the Owner's Report during the dates 12/1/88 to 2/15/90 and deem this to the best of my knowledge and belief. The Owner has permitted examinations and taken corrective measures described in the 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 the 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.

*Robert H. Hoffman*  
Inspector's Signature

Commission No.

PA 2143 NB 7592

Date

Feb. 15


19

90

# 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 14 1990  
2301 Market St., Philadelphia, PA 19101 Sheet 1 of 2
2. Plant Beacon Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P.D. No. 100, N.E.
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33  
ANSI
5. (a) Applicable Construction Code B31.1 is 73 Edition, Summer 73 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. ISO 3-33-13	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Large Bore RBCCW							
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 002		Replaced	No
4x4 tube steel	UNR LEAVITT	801S06220	N/A	S130	N/A	Replaced	No
4x4 tube steel	UNR LEAVITT	801S06220	N/A	H135	N/A	Replaced	No
1/2" plate	BETHLEHEM STEEL	401H0563	N/A	S159	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

## FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic



Surge Test



Normal Operating Pressure



Other



Pressure 102

PS

Test Temp.

Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

R. Thompson Lead Mech. Installation Engr. Date 2-14 1990  
Robert H. Haffner 2/14/90

## 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 Province of Pennsylvania and employed by Hackford Steam Boiler Insp. & Ins. Co. have inspected the components described in the Owner's Report during the dates 12/1/88 to 2/15/90 and seen that to the best of my knowledge and belief, the Owner has corrected deficiencies and taken corrective measures described in the 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 deficiencies and corrective measures described in the 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]  
 Date Feb 15 1990

Commission No.

P 2163 NB 7592


National Board, State, Province, and Organization



# 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 14, 1990  
2301 Market St., Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Peach Bottom Atomic Power Station Unit 3  
Certs. PA 17314 Phila. Electric NED, Mod 2106  
Under Construction P.C. not used for NED
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III, 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component Large Bore Torus	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. ISO 3-33-14 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 002	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 003	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 004	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 005	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 006	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 007	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 008	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 009	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 010	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 011	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 012	N/A	Replaced	No

7. Description of Work Replace Emergency Service Water Piping and Valves
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

1. Owner Philadelphia Electric Company  
2201 Market St. Philadelphia, PA 19101

2. Plant Beacon Branch Atomic Power Station  
Delta, PA 17314

3. Work Performed by Philadelphia Electric Company  
2201 Market St. Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 32

5. (a) Applicable Construction Code ASME III 19 80 Edition, Winter '81 Addenda N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Case February 14, 1990  
Sheet 2 of 3  
Unit 3  
Mod 2106  
Phila. Electric Nuclear Engineering  
Power Corporation, P.O. Box 1000, Pa. Dept.

105

FORM NIS-2 (Back)

1. Tests Conducted: ☒ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other: \_\_\_\_\_

Pressure: 100 ps Test Temp. Ambient °F

2. Remarks: N/A

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report we control are the replacement name of replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Same None

Certificate of Authorization No. None Expiration Date N/A

Signed R. L. Simpson Lead Techn. Installation Insp. Date 2-14 1990

Robert H. Haffner 2/14/90

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the Nuclear Board or Board and Pressure Vessel Inspectors and the State of Province of Pennsylvania and employed by Hartford Steam Boiler Insp. +

Ins. Co. have inspected the components described in the Owner's Report during the dates 12/1/88 to 2/15/90 and seen this to the best of my knowledge and belief. The Owner has corrected deficiencies and taken corrective measures described in the 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 the 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 2163 NB 7592

[Signature] Date Feb 15 1990



# 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 14 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 2

2. Plant: Beach Bottom At. Station Unit 3  
Centa, PA 17314 Phila. Electric NED, Mod 2106

3. Work Performed by: Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101

4. Identification of System: Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code: ASME III: 80 Edition: Winter '81 Addenda: N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda: N-208 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. ISO 3-33-15	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped: (Yes or No)
Large Bore Torus							
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 002	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 003	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 004	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 005	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 006	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 007	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 008	N/A	Replaced	No
3" plug valve	XOMOX	R353K	N/A	31008	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 009	N/A	Replaced	No
6"x4" tube steel	UNR LEAVITT	49942	N/A	H30A	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 010	N/A	Replaced	No

7. Description of Work: Replace Unit 3 Emergency Service Water Piping and Valves

FORM NIS-2 (Back)

1. Tests Conducted

Hydrostatic ☒

Leak Test ☐

Nominal Operating Pressure ☐

Order ☐

Pressure 100 ps

Test Temp.

Ambient

2. Remarks

N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Signed

R. L. Simpson Lead Mech. Installation Dept.  
Robert H. Haffner 2/14/90

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 Province of Pennsylvania, and employed by Hartford Steam Boiler T&P.

Am T&P Co.

The components described in the Owner's Report are of the series 12/1/92 to 2/14/90 and were

inspected at the end of my knowledge and belief. The Owner has certified examinations and taken corrective measures described in the 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 the 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 2143 NB 7592

Date Feb 16 19 90

# 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 14, 1980  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 2  
 2. Plant Reagan Atomic Power Station Unit 3  
Cerra, PA 17314 Phila. Electric NED, Mod 2106  
 3. Work performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Conservation Code ASME III, 80 Edition, Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case  
 6. Identification of Components Repaired, or Replaced and Reassessment Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped: Yes or No
Large Bore Torus				Dwg. ISO 3-33-16 			
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 002	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 003	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 004	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 005	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 006	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 007	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 008	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 009	N/A	Replaced	No
6" plug valve	XOMOX	R353K	N/A	30919	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



Torus ISO 3-33-16

## FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic ☒Pressure ☐Nominal Operating Pressure ☐Other ☐

Pressure

100

PS

Test Temp.

Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

R. Thompson

Lead Techn. Installation Form

Date

2-14

90

Robert H. Hefner 2/14/90

## 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 Province of Pennsylvania and employed by Hartford Steam Boiler Iron Works Inc.

have inspected the components described in the Owner's Report during the dates 12/1/89 to 2/14/90 and find this to the best of my knowledge and belief. The Owner has corrected deficiencies and taken corrective measures described in the 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 deficiencies and corrective measures described in the 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.



Commission

PA 2163 NB 7542

Date

Feb 16


19

90

# 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 14, 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 3  
 2. Plant Peach Bottom Atomic Power Station Unit 2  
Certs. PA 17314 Phila. Electric NED, Mod 2106  
 3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 73  
 5. (a) Applicable Construction Code ASME III: 80, Section, Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 80, Winter '81 Addenda N-208 Code Case  
 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
Large Bore Torus		or Heat No.		Dwg. ISO 3-33-17 			
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 014 Originally 3-33-21	N/A	Replaced Spool 004	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 013 Originally 3-33-21	N/A	Replaced Spool 005	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Portion of Spool 001	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 002	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 003	N/A	Replaced	No
6" pipe	US STEEL	A40946	N/A	Spool 015	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 007	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 008	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 009	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 009A Portion of original Spool 001	N/A	Replaced	No

7. Description of Work Replace Unit 2 Emergency Service Water Piping and Valves  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

1. Owner Philadelphia Electric Company  
2301 Market St. Philadelphia, PA 19101

2. Plant Pecon Bottom Atomic Power Station  
Calta, PA 17314

3. Work Performed by Philadelphia Electric Company  
2301 Market St. Philadelphia, PA, 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III 19 80 Edition Winter '81 Addenda N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Records or Requirements 19 80, Winter '81 Addenda N-308 Code Case

6. Identification of Components Required or Released and Replacement Components

Date February 14, 1990  
Sheet 2 of 3  
Unit 3  
Mod 2106  
Philadelphia Electric Nuclear Engineering  
Local Organization, P.E. No. 100 No. 10 Dept.



Torus ISO 3-33-17

FORM NIS-2 (Back)

1. Tests Conducted: ☒ Hydrostatic ☐ Pneumatic ☐ Normal Operating Pressure ☐  
 Other ☐ \_\_\_\_\_  
 Pressure 100 psi Test Temp. Ambient °F

2. Remarks N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None

Certificate of Authorization No. None Expiration Date N/A

Signed Richardson Lead Techn. Installation Date 2-14 90  
K. Huffer 2/14/90

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the Licensing Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania at Hartford Steam Boiler Inspr. And Inspr. Co. have inspected the components described in the Owner's Report during the dates 12/1/88 to 2/16/90 and seen that to the best of my knowledge and belief, the Owner has corrected deficiencies and taken corrective measures described in the 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 equipment and corrective measures described in the 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] Commissioner Pa 2163 NB 7592  
 Date Feb 16 19 90

# 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 14, 1981  
2301 Market St., Philadelphia, PA 19101 Sheet 1 of 2
2. Plant 2301 Market St. Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106
3. Work performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III, 80, Section, Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. ISO 3-33-18 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Large Bore Torus							
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 002	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 003	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 004	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 005	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 006	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 007	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 008	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 009	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 010	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 011	N/A	Replaced	No
6" plug valve	XOMOX	R353K	N/A	30983	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

Torus ISO 3-33-18

## FORM NIS-2 (Back)

1. Tests Conducted

 Hydrostatic ☒

 Pneumatic ☐

 Nominal Operating Pressure ☐

 Other ☐

Pressure 100

ps

Test Temp.

Ambient

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None

Date of Inspection None

Expiration Date N/A

Signed

K. Thompson

Lead Mech. Installation Dept.

Date

2-14

90

Robert H. Haffner

## 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 Province of Pennsylvania, and employed by Hartford Steam Boiler Ins. and

Ins. Co.

have inspected the components described in the Owner's Report during the dates 12/1/88 to 2/14/90 and seen that to the best of my knowledge and belief, the Owner has corrected deficiencies and taken corrective measures described in the 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 conditions and corrective measures shown in the 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.

R. H. Haffner

Commission

Pa 2143 NB 7592

Date

Feb. 16

19

90



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

As Required by the Provisions of the ASME Code Section XI

1. Owner Phila. Electric Company Date February 14, 1990  
2201 Market St., Philadelphia, PA 19101 Sheet 1 of 3

2. Plant Pressurized Water Reactor Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106

3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III is 80, Edition, Winter '81 Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. ISO 3-33-19	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Large Bore Torus							
Fabricated Spool	DRAVO	BECHTEL PO 18247-P351AC	N/A	Spool 001	N/A	Replaced	No
Fabricated Spool	DRAVO	BECHTEL PO 18247-P351AC	N/A	Spool 002	N/A	Replaced	No
Fabricated Spool	DRAVO	BECHTEL PO 18247-P351AC	N/A	Spool 003	N/A	Replaced	No
Fabricated Spool	DRAVO	BECHTEL PO 18247-P351AC	N/A	Spool 004	N/A	Replaced	No
3" plug valve	XOMOX	R353K	N/A	31005	N/A	Replaced	No
Fabricated Spool	DRAVO	BECHTEL PO 18247-P351AC	N/A	Spool 005	N/A	Replaced	No
Fabricated Spool	DRAVO	BECHTEL PO 18247-P351AC	N/A	Spool 012	N/A	Replaced	No
Fabricated Spool	DRAVO	BECHTEL PO 18247-P351AC	N/A	Spool 006	N/A	Replaced	No
Fabricated Spool	DRAVO	BECHTEL PO 18247-P351AC	N/A	Spool 007	N/A	Replaced	No
Fabricated Spool	DRAVO	BECHTEL PO 18247-P351AC	N/A	Spool 008	N/A	Replaced	No
Fabricated Spool	DRAVO	BECHTEL PO 18247-P351AC	N/A	Spool 009	N/A	Replaced	No
6" pipe	US STEEL	A40946	N/A	Spool 010A	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

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

Owner Philadelphia Electric Company  
NAME  
2201 Market St. Philadelphia, PA 19101

Date February 14, 1990  
Sheet 2 of 3

PROJECT: ROBERTSON ATOMIC POWER STATION

Mod 2106

2. Work Performed by \_\_\_\_\_ COMPANY

4. certification of system Emergency Service Water, Mechanical System No. 12

3. a) Applicable Construction Code ASME III '90 Edition Winter '91 License N/A Date Code \_\_\_\_\_

b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80, Winter 1981 Agenda, M-208 Case Case

#### 5. Identification of Components Required or Replaced and Replacement Components

[illegible]

Torus ISO 3-33-19

## FORM NIS-2 (Back)

1. Tests Conducted: ☒ Hydrostatic ☐ Pneumatic ☐ Normal Operating Pressure ☐  
 Other: \_\_\_\_\_  
 Pressure: 100 ps Test Temp: Ambient °F

2. Remarks: N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Same None

Certificate of Authorization No. None Expiration Date N/A

Signed R. Simpson Lead Techn. Installation Date 2-14 '93  
Robert Hoffer 2/14/93

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania and employed by Hartford Steam Boiler Tank & Welding Co. have examined the components described in the Owner's Report during the dates 12/1/82 to 2/16/90 and seen that to the best of my knowledge and belief, the Owner has corrective maintenance and taken corrective measures described in the 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 maintenance and corrective measures described in the 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 NB 7592 PA 2163  
 Date Feb. 16 19 90



# 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 14, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 2
2. Plant Peach Bottom Atomic Power Station Unit 3  
Certs. PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P.E. No. 100 and P.E. No. 101
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Description of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III, § 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case
6. Identification of Components Repaired or Replaced and Assessment Comments

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification Dwg. ISO 3-33-20 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes or No
Large Bore Torus							
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 002	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 003	N/A	Replaced	No
6" pipe	US STEEL	A40946	N/A	Spool 010	N/A	Replaced	No
6" plug valve	XOMOX	R353K	N/A	30932	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 004	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 005	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 006	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 007	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 008	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 009	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

## FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic



Leak Tests



Nominal Operating Pressure



Other



Pressure 102

PS

Test Temp.

Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

Conditions of Authorization

None

Expiration Date

N/A

Signed

*R. Simpson*  
Robert H. Simpson  
2/14/90

Mech. Installation Form

Date

2-14

90

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the ASME Code or Boiler and Pressure Vessel Inspectors and the State of Province of Pennsylvania and employed by Hockland Steam Boiler Insp. & Ins. Co.

the examinations conducted in the Owner's Report during the dates 12/1/82 to 3/9/90 and that to the best of my knowledge and belief, the Owner has satisfied requirements and taken corrective measures contained in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate under the responsibility of the undersigned, I certify that no violation, deficiency or unsafe condition exists in the Owner's Report. Furthermore, I certify that no unsafe condition exists in any manner that would result in any personal injury or property damage or a loss of any kind arising from or connected with the inspection.

*[Signature]*  
Inspector


Commission PA 2163 NB 7572

Date March 9 19 90

# 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 14 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Reactor Atom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P.E. No. 100, 101, 102
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III: 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Reassessment Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification Dwg. ISO 33-33-21 	Year Built	Required, Replaced, or Replacement	ASME Code Stamped: Yes or No
Large Bore Torus							
6" pipe	US STEEL	A40946	N/A	Spool 015	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 002	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 003	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 013 Originally ISO 3-33-17, Spool 006	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 012 Originally ISO 3-33-17, Spool 005	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 006	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 007	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 008	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 009	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



As Required by the Provisions of the ASME Code Section XI

DATE February 19, 1940  
SHEET 2 OF 3

Mod 2106

4. certification of system Emergency Service Water, Mechanical System No. 32

5. (a) Applicable Construction Code ASME 1980 Edition, Winter '81 Addenda N/A Code Case \_\_\_\_\_

b) Applicable Edition of Section XI Utilized for Records or Requirements is 80, Winter '81 Incidents N-208 Disc Case

### 5. Identification of Components Required or Replaced and Replacement Components

[illegible]

## FORM NIS-2 (Back)

1. Test Conditions:

-Pressure ☒-Turbine ☐-Working Gas Pressure ☐Other ☐

Pressure 100

ps

Test Temp.

Ambient

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date

N/A

Signed

R. Simpson

Lead Mech. Installation Dept.

Date

2.14

90

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid certification issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Massachusetts and employed by Hood Fuel Steam Boiler Corp

Ins. Co.

The certification described in the Owner's Report during the dates 12/1/88 to 3/4/90 and from time to time and at my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate under the penalty that no attempt shall be made to conceal, suppress or tamper, concerning the examination and corrective measures described in the Owner's Report. Furthermore, under the penalty that no attempt shall be made to any manner any person's duty or to tamper with or to cause or to attempt to cause any person to tamper with the inspection.

R. Simpson  
Inspector

Certificate No.

PS 2163 NB 7592

Date March 9 19 90

# 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  
2201 Market St., Philadelphia, PA 19101

2. Plant Beacon Bottom Atomic Power Station  
Delta, PA 17314

DATE February 14, 1990  
 SHEET 1 OF 2  
 UNIT 3  
Phila. Electric NED, Mod 2106  
Under Construction, P. 2, No. 100, Rev. 10

3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ANSI B31.1 is 73 Edition, Summer '73 Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped: Yes or No
Small Bore RBCCW				FSK-M-3033 Sheet 113			
3/4" Pipe	QUANEX	268672	N/A	pc.#1	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#4	N/A	Replaced	No
3/4" Pipe	US STEEL	M05125	N/A	pc.#2	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic ☒

Pressure ☐

Nominal Operating Pressure ☐

Other ☐

Pressure 100 ps

Test Temp.

Ambient

2. Remarks

N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

*Robert Heffer*

Lead Mech. Installation Insp.

Date

2-14

19

90

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 Harcord Steam Boiler Insp. & Eng. Co.

have inspected the components described in this Owner's Report during the dates 12/1/89 to 2/14/90 and seen that to the best of my knowledge and belief, the Owner has corrected deficiencies 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.

*Robert Heffer*

Commission

PS 2143 NB 7092

Date

Feb 14

19

90

# 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 Feb 14, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 3


2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106

3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 13

5. (a) Applicable Construction Code ASME III, 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case

6. Identification of Components Requiring or Requiring and Reassessment Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M03033 Sht. 114 	Year Built	Required, Replaced, or Replacement	ASME Code Stamped: Yes or No
Small Bore Torus							
3/4" pipe	QUANEX	268672	N/A	1	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	19	N/A	Replaced	No
3/4" pipe	US STEEL	M05125	N/A	7	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	2	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	20	N/A	Replaced	No
3/4" pipe	US STEEL	M05125	N/A	8	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	3	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	21	N/A	Replaced	No
3/4" pipe	US STEEL	M05125	N/A	9	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	4	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	22	N/A	Replaced	No
3/4" pipe	US STEEL	M05125	N/A	10	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

As Required by the Provisions of the ASME Code Section XI

Mod 2106



## FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic ☒Insulation ☐Normal Operating Pressure ☐Other ☐

Pressure 100

PS

Test Temp.

Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

R. Simpson

Lead Techn. Installation Insp.

Date

2/14

19

90

Robert H. Hines 2/14/90

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the Nuclear Board or Board and Pressure Vessel Inspectors and the State or Province of Pennsylvania, and employed by Hachard Steam Boiler, Inc.

Add Sec. 6.

have inspected

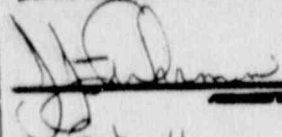
the components described in the Owner's Report during the dates 12/1/88 to 2/14/90

2/14/90

and deem

that to the best of my knowledge and belief, the Owner has corrective examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate under the inspector's name, the undersigned certifies that he or she is not aware of any violation, deficiency or defect, concerning the components and corrective measures described in the Owner's Report. Furthermore, under the inspector's name, the undersigned shall be held in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.



C

R-2103 N3 7592

Date

Feb 16

19

90

# 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 14, 1990  
2201 Market St., Philadelphia, PA 19101 Sheet 1 of 2
2. Plant Peach Bottom Atomic Power Station Unit 3  
Cerra, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P. 2, No. 100, No. 114
3. Work performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Description of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-80 Edition Winter '81 Addenda N/A Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case \_\_\_\_\_
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sht. 115	Year Built	Required, Replaced, or Replacement	ASME Code Stamped: Yes or No
Small Bore Torus							
3/4" pipe	QUANEX	268672	N/A	1	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	9	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	2	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	3	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	10	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	4	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

## FORM NIS-2 (Back)

1. Tests Conducted

Hydrostatic



In-Service



Normal Operating Pressure



Other



Pressure 100

ps

Test Temp.

Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

R. Simpson

Lead Techn. Installation Exam.

Date

2-14

90

Robert H. Hoff

2/14/90

## 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 Province of Pennsylvania am employed by Honolulu Steam Baking Corp.

Ins. Co.

The components covered in the Owner's Report during the dates 12/1/88 to 2/16/90 are those that to the best of my knowledge and belief, the Owner has carefully examined and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examination and corrective measures described in the 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

C

PR-2143 NB 7542

Date

Feb. 16

is

90



As Required by the Provisions of the ASME Code Section XI

DATE February 14 1940  
 SHOW 1 2  
 UNIT 2  
 Phila. Electric NED, Mod 2106  
 (Small text at bottom of page)

### 5. Identification of Components Required or Reduced and Readjustment Components

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

## FORM NIS-2 (Back)

1. Test Conclusion:

Microscopic ☒Insured ☐Nominal Operating Pressure ☐Other ☐

Pressure 102

PS

Test Temp.

Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

R. Simpson

Lead Techn. Installation Eng.

Date

2/14

90

Robert Simpson 4/14/90

## 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 Province of Pennsylvania

am employed by

Hartman Steam Boiler Inc. - +

This is

a

have witnessed

the conditions described in the Owner's Report during the dates 12/1/88 to 2/14/90 and based on the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 the 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.



Commission

PA 21163 NB 7542

Date

Feb. 14


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# 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 14 1990  
2201 Market St., Philadelphia, PA 19101 Sheet 1 of 2
2. Plant Peacon Bottom Atomic Power Station Unit 3  
Contra. PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P.E. not used for this
3. Work performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Description of System Emergency Service Water, Mechanical System No. 13
5. (a) Applicable Construction Code ASME III: 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sht. 117 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped: Yes or No
Small Bore Torus							
3/4" pipe	QUANEX	268672	N/A	1	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	17	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	2	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	3	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	18	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	4	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	5	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	19	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	6	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	7	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	20	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	8	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



## FORM NIS-2 (Back)

1. Test Conclusion

Hydrostatic ☒Insulated ☐Nominal Operating Pressure ☐Other ☐Pressure 100

PS

Test Temp.

Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

Robert H. Simpson  
Robert H. Simpson  
2/14/90

Lead Techn. Installation Sign.

Date

2-1490

## 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 Province of Pennsylvania and employed by Hackensack Steam Boilers Corp.

PA INS-10

I have inspected

the components described in the Owner's Report during the dates 12/1/89to 2/14/90

and seen

that to the best of my knowledge and belief, the Owner has corrected deficiencies and taken corrective measures described in the 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 deficiencies and corrective measures described in the 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.

Robert H. Simpson  
Inspector's Signature

Commission

PA 2143 NB 7592

Date

Feb 16

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90

# 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 14, 1990  
2301 Market St., Philadelphia, PA 19101 Sheet 1 of 3

2. Plant Beacon Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106


3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III: 80 Edition Winter '81 Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sht. 118 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped: Yes or No
Small Bore Torus							
3/4" pipe	QUANEX	268672	N/A	1	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	13	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	2	N/A	Replaced	No
3/4", 90 deg. ell	BONNEY FORGE	Z257	N/A	17	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	18	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	14	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	3	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	15	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	4	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	16	N/A	Replaced	No
3/4" pipe	U.S. STEEL	M05125	N/A	pc# 5	N/A	Replaced	No
3/4" pipe	U.S. STEEL	M05125	N/A	pc# 6	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

As Required by the Provisions of the ASME Code Section XI

2 February 1940

Sheet 2 of 3

\_\_\_\_\_

Phila. Electric NED, Mod 2106

1. Work performed by Philadelphia Electric Company

2201 Market St., Philadelphia, PA 19101

4. Continuation of System Emergency Service Water, Mechanical System No. 23

1. (a) Applicable Construction Code: ASME III 1980 Edition: Winter '91 License: N/A Page 2 of 2

b) Applicable Edition of Section A) Utilized for Results or Assessments is 80, Winter '81 Accession # W-308 Date Feb

### E. Identification of Components Acquired or Assessed and Assessment Components

[illegible]

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



## FORM NIS-2 (Back)

1. Tests Conducted

Hydrostatic



Inspection



Normal Operating Pressure



Other



Pressure 102

PS

Test Temp.

Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Same

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

*Robert H. Hoffman*  
4/14/90

Lead Techn. Installation Form

Date

2-14

90

## 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 Providence at Providence am employed by Hartford Steam Boiler Inspr. and

Inc. as

The examinations conducted at the Owner's Plant during the dates 12/1/88 to Feb 16, 1990 and were true to the best of my knowledge and belief. The Owner has satisfied all conditions and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the undersigned nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the undersigned 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.

*W. F. Sullivan*  
Inspector

Commission No.

PA 2143 NB 7592

Date

Feb 16


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# 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 14, 1990  
2201 Market St., Philadelphia, PA 19101 Sheet 1 of 2  
 2. Plant Peach Bottom Atomic Power Station Unit 3  
Cerra, PA 17314 Phila. Electric NED, Mod 2106  
 3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 13  
 5. (a) Applicable Construction Code ASME III-80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component Small Bore Torus	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sht. 119 	Year Built	Required, Replaced, or Replacement	ASME Code Stamped: Yes or No
3/4" pipe	QUANEX	268672	N/A	pc# 1	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	pc# 9	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	pc#12	N/A	Replaced	No
3/4" 90 deg. ell	BONNEY FORGE	Z434A	N/A	pc# 11	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	pc# 3	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	pc#10	N/A	Replaced	NO
3/4" pipe	QUANEX	268672	N/A	pc # 2	N/A	Replaced	NO
3/4" pipe	QUANEX	268672	N/A	pc# 4	N/A	Replaced	NO

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic ☒Inspection ☐Nominal Operating Pressure ☐Other ☐

Pressure

100

PS

Test Temp.

Ambient

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Status

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

R. Chapman

Lead Mech. Installation Insp.

Date

2-14

90

Robert Hoffman 2/14/90

## 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 Province of Pennsylvania, and employed by Hochstadt Steel, Inc., have inspected the components described in the Owner's Report during the dates 12/1/88 to 2/16/90, and deem that to the best of my knowledge and belief, the Owner has corrective actioned, is and taken corrective measures described in the 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 condition and corrective measures described in the 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.



Commission

PA 2163 NB 7572

Date

Feb 16

90



# 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  
2201 Market St., Philadelphia, PA 19101  
 2. Plant Peach Bottom Atomic Power Station  
Delta, PA 17314

Date February 14, 1990  
 Sheet 1 of 2  
 Unit 3  
Phila. Electric NED, Mod 2106  
FORM NIS-2, P. 2, REV. 10-88


3. Work Performed by Philadelphia Electric Company  
1301 Market St., Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 13

5. (a) Applicable Construction Code ASME III is 80 Edition Winter '81 Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sht. 120 	Year Built	Required, Replaced, or Replacement	ASME Code Stamped Yes or No
Small Bore Torus							
3/4" pipe	QUANEX	268672	N/A	11	N/A	Replaced	No
3/4" 90 deg. ell	BONNEY FORGE	2434A	N/A	12	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	1	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	9	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	2	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	3	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	10	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	4	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

உ. என். சந்திரசேகரன்

—VERGESSEN

**24-01175**

### Normal Closing Pressure

**CONCLUSION**

Pressure 103

Test Temp.

Ambient

## References

We certify that the statements made in the report are correct and the replacement conforms to the rules of the ASME Code.

Two Code Symbol Same 1000

CERTIFICATE OF AUTHORIZATION NO.

**Insurance Costs**

N/A

**Signes**

KLIMPSON lead "ech. installation form"

2050

2-14

90

Robert H. Brown 2/14/90

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 Hartford Steam Boiler Inspr &

۵ و ۶

The components described in the Owner's Report during the course

121,190

2/16/90

THIS IS THE BEST OF MY KNOWLEDGE AND BELIEF. THE OWNER HAS EXERCISED DILIGENCE AND TAKEN CORRECTIVE MEASURES DESCRIBED IN THE OWNER'S REPORT IN ACCORDANCE WITH THE REQUIREMENTS OF THE ASME CODE, SECTION XI.

[illegible]

**Care**

126-16

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**C**

Pa 2163 N3 7592

# 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 15 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 2
2. Plant Peach Bottom Atomic Power Station Unit 3  
Certs. PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P.E. No. 100 NED, 100
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III is 80 Section Winter '81 Assessment N/A Case Case  
 (b) Applicable Edition of Section XI Utilizes the Assessment or Assessment is 80, Winter '81 Assessment N-308 Case Case
6. Identification of Component, Assembly or Assembly and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-ISO-3-33-24	Year Built	Required, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Large Pipe A-RHR							
Fab Spool	Dravo	Bechtel PO 18247P351AC	N/A	Spool 001	N/A	Replaced	No
Fab Spool	Dravo	Bechtel PO 18247P351AC	N/A	Spool 002	N/A	Replaced	No
Fab Spool	Dravo	Bechtel PO 18247P351AC	N/A	Spool 003	N/A	Replaced	No
Fab Spool	Dravo	Bechtel PO 18247P351AC	N/A	Spool 004	N/A	Replaced	No
Fab Spool	Dravo	Bechtel PO 18247P351AC	N/A	Spool 005	N/A	Replaced	No
Fab Spool	Dravo	Bechtel PO 18247P351AC	N/A	Spool 006	N/A	Replaced	No
Fab Spool	Dravo	Bechtel PO 18247P351AC (original 7)	N/A	Spool 007A	N/A	Replaced	No
Fab Spool	Dravo	Bechtel PO 18247P351AC (original 7)	N/A	Spool 007B	N/A	Replaced	No
3" Ø Flange	Coffer	AMED	N/A	Spool 008	N/A	Replaced	No
3" Ø Flange	Coffer	AMED	N/A	Spool 009	N/A	Replaced	No
3/8" Tube Steel	Welded Tube of Canada	816642	N/A	H 2	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



A-RHR ISO-3-33-24

## FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic



Pneumatic



Nominal Operating Pressure



Other

Pressure 102 psTest Temp. Ambient °F

3. Remarks

N/A

## 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.

Type Code Symbol Stamp NoneCertificate of Authorization No. NoneExpiration Date N/A

Signed

Robert L. Simpson Lead Mech. Installation Engr.  
Robert L. Simpson 2/15/90

Date

2.15

19

90

## 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 Province of Pennsylvania and employed by Hartford Steam Boiler Insp. Co. have inspected the components described in this Owner's Report during the period 12/1/88 to 3/5/90 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

Commissioners

PA 2163 NB 7542

Receive Check, Cash, Payment, and Creditors

Date

March 5

19

90

# 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 15, 1991  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Peach Bottom Atomic Power Station Unit 3  
Detta, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P. 2, Vol. 100, Vol. 101
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III, 1980 Section Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Assessment Comments

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. ISO-3-33-25	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Large Bore A-RHR							
Fabricated Spool	Dravo	Bechtel PO 18247P351AC (original 1)	N/A	Spool 001B	N/A	Replaced	No
Fab. Spool	Dravo	Bechtel PO 18247P351AC (original 1)	N/A	Spool 001A	N/A	Replaced	No
Fab. Spool	Dravo	Bechtel PO 18247P351AC	N/A	Spool 002	N/A	Replaced	No
Fab. Spool	Dravo	Bechtel PO 18247P351AC	N/A	Spool 003	N/A	Replaced	No
Fab. Spool	Dravo	Bechtel PO 18247P351AC (original 4)	N/A	Spool 004A	N/A	Replaced	No
Fab. Spool	Dravo	Bechtel PO 18247P351AC (original 4)	N/A	Spool 004B	N/A	Replaced	No
3" 45° Ell	Ladish	DA6H	N/A	Spool 011	N/A	Replaced	No
Fab. Spool	Dravo	Bechtel PO 18247P351AC	N/A	Spool 005	N/A	Replaced	No
Fab. Spool	Dravo	Bechtel PO 18247P351AC	N/A	Spool 006	N/A	Replaced	No
Fab. Spool	Dravo	Bechtel PO 18247P351AC	N/A	Spool 007	N/A	Replaced	No
Fab. Spool	Dravo	Bechtel PO 18247P351AC (original 8)	N/A	Spool 008A	N/A	Replaced	No
Fab Spool	Dravo	Bechtel PO 18247P351AC (original 8)	N/A	Spool 008B	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves





A-RHR ISO-3-33-25

## FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic



Pneumatic



Nominal Operating Pressure



Other



Pressure 102

psi

Test Temp.

Ambient

°F

2. Remarks

N/P

-OWNER MANUFACTURER'S USE RECORD IS TO BE OBSERVED

## 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.

Type Code Symbol Stamp NoneCertificate of Authorization No. NoneExpiration Date N/A

Signed

R. Thompson

Lead Mech. Installation Engr.

Date

2 1519 90Robert Haffner 2/15/90

## 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 Hartford Steam Boiler Shop have inspected the components described in this Owner's Report during the period 12/1/89 to 2/5/90 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]

Commissioner

P-2163 NB 7592

Name, Title, Firm, Address, and City

Date March 5 19 90

# 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 15, 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction P. 2. No. 100 No. 10
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III 1980 Section Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. ISO-3-33-30	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Large Pipe A-RHR							
3" Sch 40 pipe	Dravo	N45284	N/A	Spool 011	N/A	Replaced	No
Fab. Spool	Dravo	Bechtel PO 18247P351AC (original 8)	N/A	Spool 008B	N/A	Replaced	No
Fab. Spool	Dravo	Bechtel PO 18247P351AC (original 8)	N/A	Spool 008A	N/A	Replaced	No
Fab. Spool	Dravo	Bechtel PO 18247P351AC	N/A	Spool 007	N/A	Replaced	No
Fab. Spool	Dravo	Bechtel PO 18247P351AC	N/A	Spool 006	N/A	Replaced	No
Fab. Spool	Dravo	Bechtel PO 18247P351AC	N/A	Spool 005	N/A	Replaced	No
Fab. Spool	Dravo	Bechtel PO 18247P351AC	N/A	Spool 004	N/A	Replaced	No
Fab. Spool	Dravo	Bechtel PO 18247P351AC	N/A	Spool 003	N/A	Replaced	No
Fab. Spool	Dravo	Bechtel PO 18247P351AC (original 2)	N/A	Spool 02A	N/A	Replaced	No
Fab. Spool	Dravo	Bechtel PO 18247P351AC (original 2)	N/A	Spool 002B	N/A	Replaced	No
3" Balancing Valve	Xomox	SP-R352K	N/A	DPI 9728A 508A	N/A	Replaced	No
Fab. Spool	Dravo	Bechtel PO 18247P351AC	N/A	Spool 001	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

As Required by the Provisions of the ASME Code Section XI

Mod 2106  
Phila. Electric Nuclear Engineering  
1950-1951, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850,

#### 5. Identification of Candidates Accepted or Rejected and Reassessment Candidates



## FORM NIS-2 (Back)

1. Tests Conducted: ☒ HYDROSTATIC ☐ PNEUMATIC ☐ NOMINAL OPERATING PRESSURE ☐  
 OTHER ☐ \_\_\_\_\_  
 PRESSURE 100 PS ☐ Test Temp. Ambient °F ☐

3. Remarks N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None

Certificate of Authorization No. None Expiration Date N/A

Signed R. Thompson Lead Mech. Installation Eng. Date 2-15 '90  
Robert Hoffman 2/15/90

## 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 Province of Pennsylvania, was employed by WestCoast Steam Boiler Inc. have inspected the components described in the Owner's Report during the dates 12/1/89 to MARCH 5, 1990 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 the 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] Certificate PA 2163 NB 7592  
 Date MARCH 5 19 90

# 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 15 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Peach Bottom Atomic Power Station Unit 3  
Delco, PA 17314 Phila. Electric NED, Mod 2106
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III 1980 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Review of Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-ISO-3-33-31	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Large Pipe A-RHR							
Fab. Spool	Dravo	Bechtel PO 18247-P351AC (original)	N/A	Spool 001A	N/A	Replaced	No
3" Ø Flange	Coffer	AMEP	N/A	Spool 006	N/A	Replaced	No
3" Ø Flange	Coffer	AMEP	N/A	Spool 007	N/A	Replaced	No
Fab Spool	Dravo	Bechtel PO 18247-P351AC original spl	N/A	Spool 007B	N/A	Replaced	No
Fab Spool	Dravo	Bechtel PO 18247P351AC	N/A	Spool 002	N/A	Replaced	No
Fab Spool	Dravo	Bechtel PO 18247P351AC	N/A	Spool 003	N/A	Replaced	No
Fab Spool	Dravo	Bechtel PO 18247P351AC	N/A	Spool 004	N/A	Replaced	No
Fab Spool	Dravo	Bechtel PO 18247P351AC	N/A	Spool 005A	N/A	Replaced	No
3" Balancing Valve	Xomox	R352K	N/A	DPI 9728B	N/A	Replaced	No
3/4" Plate	Bethlehem	411K4831	N/A	H1	N/A	Replaced	No
3/4" Lug	Bethlehem	411K4831	N/A	L1H208	N/A	Replaced	No
3/4" Lug	Bethlehem	411K4831	N/A	L2H208	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

As Required by the Provisions of the ASME Code Section XI

DATE February 15, 1940  
 Sheet 2 of 3

Mod 2106

\* corrosion in system Emergency Service Water, Mechanical System No. 19

1. a) ADDITIONAL CONSTRUCTION CODE ASME 1980 Edition Winter '81 Appendix 3/A Date Contd

51. APPLICABLE EDITION OF STANDARD JO UTILIZED FOR RECORDS OR RECLASSIFICATION IS 20 Winter 1971 ISSUES 11/2/78 2000 Case Case

#### 5. Contribution of Components Relative to Resilience and Resilient Components

151



**L. \*SMB CANT CLAUDE**

~~SECRET~~ X

**Expenditures** ☐

[illegible]☐ ☐

102

Test Temp. Ambient

## 1. Introduction

WE CERTIFY THAT THE REASSIGNMENT MADE IN THE REPORT AND RETURN WAS THE replacement APPROPRIATE TO THE PLACE OF THE ASSIGNEE  
REASON AL NAME OF REASSIGNMENT

Type Code System Name None

Cartridges of Ammunition No. None

Exemption Code N/A

Series Lead Mech. Installation Engr. 213 50

Robert - 2/5/90

THE UNDERSIGNED, HAVING A WELL ESTABLISHED CREDIT BY THE FURNISHING OF COAL AND FUEL TO VARIOUS PERSONS AND TO THE STATE OF PENNSYLVANIA  
 OF Pennsylvania THE UNDERSIGNED BY Hartford Steam Boiler Eng.  
And Eng. Co. THE UNDERSIGNED

THE CERTIFICATED COPIES OF THE OWNER'S AFFIDAVIT OF THE DATE 12/1/82 ? 3/5/92 AND THE  
FILE IN THE CASE OF THE EVIDENCE AND DEED. THE OWNER HAS CERTIFIED EVIDENCE AND THE CERTIFICATE PROVIDED EVIDENCE IN THE OWNER'S  
FOUNTAIN OF INFORMATION AND THE RECORDS OF THE ADAMS CASE. JAMES AL

By signing this certificate under the signature and the company name, any partner, director or officer, controlling the management and corporate financial activities in the Company's Affairs, Furthermore, authorizes management an employee with the name in any capacity or any personal injury or property damage of \$ 1,000 or any loss arising from or connected with the accident.

W. E. O.

Pa 2143 NB 7592

March 5 90

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

Page 1 of 3

1. Owner Philadelphia Electric Company Date February 17, 1990  
2201 Market St. Philadelphia, PA 19101 Shop 1 of 3  
 2. Plant Reagan Bottom Atomic Power Station Unit 3  
Cont. # 17314 Phila. Electric NED, Mod 2106

3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Construction Code ASME III, 80, Section, Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Limited to Addenda or Amendments to 80, Winter '81 Addenda N-208 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sht. 3	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Pipe A-RHR							
1" Sch 80 pipe	Quanex	282922	N/A	PC #1	N/A	Replaced	No
1" 90° Ell	Bonney Forge	L992	N/A	PC #14	N/A	Replaced	No
1" Sch 80 pipe	Quanex	282922	N/A	PC #3	N/A	Replaced	No
1" 90° Ell	Bonney Forge	Z400A	N/A	PC #15	N/A	Replaced	No
1" Sch 80 pipe	Quanex	282922	N/A	PC #4	N/A	Replaced	No
1" Plug Valve	Xomox	R343K	N/A	PC #23	N/A	Replaced	No
1" Sch 80 pipe	Quanex	282911	N/A	PC #6	N/A	Replaced	No
1" x 3/4" Red. Tee	Bonney Forge	W879	N/A	PC #22	N/A	Replaced	No
1" Sch 80 Pipe	Quanex	282922	N/A	PC #7	N/A	Replaced	No
1" 90° Ell	Bonney Forge	L992	N/A	PC #17	N/A	Replaced	No
1" Sch 80 pipe	Quanex	282922	N/A	PC #8	N/A	Replaced	No
1" 90° Ell	Bonney Forge	L992	N/A	PC #18	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## Page 2 of 3

Date February 15, 1990  
Sheet 2 of 3

Wm 3  
Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.

al System No. 22

1. Acciones: 11/8 2000 2000

Victim 101      Accused      Ne 228      Case Case

## NOTES

[illegible]



## FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic



Insulated



Nominal Operating Pressure



Date



Pressure

102

PS

Test Temp.

Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

*Robert H. Hoffman*

Lead Mech. Installation Sign.

Date

2.15

,

90

Robert H. Hoffman 2/15/90

## 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 Province of Pennsylvania and employed by Hackensack Steam Turbine Corp. have inspected the components described in the Owner's Report during the dates 12/1/89 to 2/27/90 and deem that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 the 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 therefrom or connected with this inspection.

*Robert H. Hoffman*  
Inspector's Signature

Commission No.

PA 2142 NB 7272

NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS

Date

Feb 27

19

90

**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 15, 1980  
2301 Market St., Philadelphia, PA 19101 Sheet 1 of 3

2. Plant Beach Bottom Atomic Power Station Unit 3  
Certs. PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P. 2, No. 100, No. 101

3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III, 80, Section, Winter '81 Addenda N/A Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Unions for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case \_\_\_\_\_

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg FSK-M-3033 Sht 12 <u>A</u>	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Pipe A-RHR							
2" Sch 80 Pipe	Quanex	296112	N/A	pc #1	N/A	Replaced	No
2" x 3/4" Red. Tee	Bonney Forge	W358	N/A	pc #16	N/A	Replaced	No
2" Sch 80 pipe	Quanex	296112	N/A	pc #2	N/A	Replaced	No
2" Sch 80 pipe	Quanex	296112	N/A	pc #3	N/A	Replaced	No
2" x 3/4" Red. Tee	Bonney Forge	W358	N/A	pc #17	N/A	Replaced	No
2" Sch 80 pipe	Quanex	296112	N/A	pc #4	N/A	Replaced	No
2" Plug Valve	Xomox	R353K	N/A	pc #19	N/A	Replaced	No
3/4" Sch 80 pipe	Quanex	268672	N/A	pc #5	N/A	Replaced	No
3/4" Plug Valve	Xomox	R353	N/A	pc #20	N/A	Replaced	No
3/4" Sch 80 pipe	Quanex	268672	N/A	pc #7	N/A	Replaced	No
3/4" 45° Ell	Bonney Forge	P642	N/A	pc #15	N/A	Replaced	No
3/4" Sch 80 pipe	Quanex	268672	N/A	pc #8	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_





## FORM NIS-2 (Back)

1. Tests Conducted: HYDROSTATIC ☒ PNEUMATIC ☐ Nominal Operating Pressure ☐  
 Other ☐ \_\_\_\_\_  
 Pressure 102 PS Test Temp. Ambient °C

2. Remarks N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## 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

Type Code Symbol Stamp None  
 Certificate of Authorization No. None Expiration Date N/A  
 Signed [Signature] Lead Mech. Installation Engr. Date 2-15 '90  
Robert Hoffner 2/15/90

## 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 Florida and employed by Florida State University have inspected the components described in the Owner's Report during the period 12/1/90 to 2/12/90 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 the 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 B-2102 NB 1252  
 Inspector's Signature  
 Date Feb 22 19 90

# 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 15, 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 2
2. Plant Reagan Bottom Atomic Power Station Unit 3  
Cerra, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P. 2, 10, and 11, 12.
3. Work performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 22
5. (a) Applicable Construction Code ASME III: 80 Edition Winter '81 Addenda N/A Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case \_\_\_\_\_
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sht. 14 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped: Yes or No
Small Pipe A-RHR							
1" Sch 80 pipe	Quanex	282922	N/A	pc #1	N/A	Replaced	No
1" 90° Ell	Bonney Forge	DB34	N/A	pc #6	N/A	Replaced	No
1" Sch 80 pipe	Quanex	282922	N/A	pc #2	N/A	Replaced	No
1" Plug Valve	Xomox	R353	N/A	pc #9 (30959)	N/A	Replaced	No
1" Sch 80 pipe	Quanex	282922	N/A	pc #3	N/A	Replaced	No
1" Sch 80 pipe	Quanex	282922	N/A	pc #4	N/A	Replaced	No
1" Plug Valve	Xomox	R353	N/A	pc #10 (30958A)	N/A	Replaced	No
1" Sch 80 pipe	Quanex	282922	N/A	pc #5	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

FORM NIS-2 (Back)

4. Tests Conducted:

Hydrostatic ☒

Pressure ☐

Nominal Operating Pressure ☐

Other ☐

Pressure 102 ps

Test Temp. Ambient °F

5. Remarks

N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Signed R. Simpson Lead Mech. Installation Engr. Date 2.15.90

Robert Simpson 2/15/90

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 Province of Pennsylvania and employed by Hartford Steam Turbine Inc. have inspected the components described in this Owner's Report during the period 12/1/89 to 2/27/90 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.

R. Simpson  
Inspector's Signature

Commissioner PA 2162 NIS 7-90

Date Feb 27 19 90



# 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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 3

2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P. 2, Vol. 1 and Vol. 2

3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III 1980 Edition Winter '81 Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Pipe A-RHR				Dwg. FSK-M-3033 Sht 101			
2" Sch 80 pipe	Quanex	296112	N/A	pc #4	N/A	Replaced	No
2" x 3/4" Red Tee	Bonney Forge	2448	N/A	pc #20	N/A	Replaced	No
2" Sch 80 pipe	Quanex	296112	N/A	pc #3	N/A	Replaced	No
2" Sch 80 pipe	Quanex	296112	N/A	pc #2	N/A	Replaced	No
2" x 3/4" Red Tee	Bonney Forge	2448	N/A	pc #19	N/A	Replaced	No
2" Sch 80 pipe	Quanex	296112	N/A	pc #1	N/A	Replaced	No
2" Plug Valve	Xomox	R353K	N/A	pc #21	N/A	Replaced	No
3/4" Sch 80 pipe	Quanex	268672	N/A	pc #5	N/A	Replaced	No
3/4" 90° Ell	Bonney Forge	2434A	N/A	pc #13	N/A	Replaced	No
3/4" Sch 80 pipe	Quanex	268672	N/A	pc #6	N/A	Replaced	No
3/4" Plug Valve	Xomox	R353	N/A	pc #22	N/A	Replaced	No
3/4" Sch 80 pipe	Quanex	268672	N/A	pc #8	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

page 2 of 3

1. Owner Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101

Date February 15, 1990  
Sheet 2 of 3

2. Plant Recon Eastern Atomic Power Station  
Date: 2-1-73

Unit 2  
Mod 2106  
Phila. Electric Nuclear Engineering  
Henry Clayman, P.E. and M.E. Dept.

2. Work Performed by Philadelphia Electric Company  
at  
2301 Market St. Philadelphia, PA. 19101

4. Identification of System: Emergency Service Water, Mechanical System No. 33

5. (a) APPLICABLE CONSTRUCTION CODE: ASME III '80 Edition Winter '81 Addenda N/A Code Book

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Agency: N-208 Case Case

#### 5. Identification of Components Required or Replaced and Replacement Components

[illegible]

FORM NIS-2 (BACK)

5. Tests Conducted

HYDROSTATIC ☒

PH-STATIC ☐

NOMINAL OPERATING PRESSURE ☐

Other ☐

Pressure 102

PS

Test Temp.

Ambient

6. Remarks

N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Signed

Robert H. Hines

Lead Mech. Installation Engr.

Date 2-15 1990

Robert H. Hines 2/15/90

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 Province of Pennsylvania and employed by Hawthorne Steam Turbine Corp. have inspected the component as described in the Owner's Report during the period 12/17/89 to 2/27/90 and report that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 the 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.

W. F. Hines  
Inspector's Signature

Commission PA 2163 1/3/88


Date Feb. 27 1990



# 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 15, 1990  
1201 Market St. Philadelphia, PA 19101 Shop 1 in 2
2. Plant Pecon Bottom Atomic Power Station Unit 2  
Delts, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P.D. No. 100, 101, 102
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-2 80 Edition Winter '81 Addenda N/A Code Case   
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Component Repaired or Replaced and Applicable and Applicable Construction Codes

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sht. 103 	Year Built	Required, Replaced, or Replacement	ASME Code Stamped Yes or No
Small Bore A-RHR							
3/4" Sch 80 pipe	Quanex	268672	N/A	pc #1	N/A	Replaced	No
3/4" Plug Valve	Xomox	R353	N/A	pc #9	N/A	Replaced	No
3/4" Sch 80 pipe	Quanex	268672	N/A	pc #3	N/A	Replaced	No
3/4" Plug Valve	Xomox	R353	N/A	pc #10	N/A	Replaced	No
3/4" Sch. 80 pipe	QUANEX	268672	N/A	pc# 2	N/A	Replaced	No
3/4" Sch. 80 pipe	QUANEX	268672	N/A	pc# 4	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

FORM NIS-2 (Back)

1. Tests Conducted: ☒ Visual ☐ Pressure ☐ Vacuum Chamber Pressure ☐

2. Remarks: N/A

Pressure 102 ps Test Temp. Ambient

CERTIFICATE OF COMPLIANCE

We certify that the conditions stated in the report are correct and the replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Name None

Conditions of Authorization No. None Expiration Date N/A

Serial 2-15 : 90  
Robert Heffner 2/15/90  
Lead Mech. Installation Engr.

CERTIFICATE OF INSERVICE INSPECTION

The undersigned, holding a valid certification issued by the relevant Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania, and authorized by Hartford Steam Boiler Insp. Co.

The certification expires on the Owner's Record on the date 12/1/89 to 3/5/90

This is the date of my inspection and found the Owner has complied with the rules of the ASME Code, Section XI.

By signing this certificate under the undersigned's name, the undersigned certifies that the conditions of the ASME Code, Section XI, are being complied with and that the Owner has complied with the rules of the ASME Code, Section XI.

March 5 90  
PA 2163 NB 7592

# 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 15, 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 3  
 2. Plant Peach Bottom Atomic Power Station Unit 3  
Certs. PA 17314 Phila. Electric NED, Mod 2106  
 3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Construction Code ASME III, 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case  
 6. Identification of Components Replaced or Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 St. 104	Year Built	Required, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore A-RHR							
1 1/2" Sch 80 pipe	Quanex	295192	N/A	pc #1	N/A	Replaced	No
1 1/2" Tee	Bonney Forge	Z360	N/A	pc #24	N/A	Replaced	No
1 1/2" x 1" red. Insert	Bonney Forge	DC89	N/A	pc #29	N/A	Replaced	No
1" Sch 80 pipe	Quanex	282922	N/A	pc #3	N/A	Replaced	No
1" Union	Bonney Forge	A DB97, B CV38, DC35	N/A	pc #25	N/A	Replaced	No
1" Sch 80 pipe	Quanex	282922	N/A	pc #2	N/A	Replaced	No
1 1/2" x 1" Red. Insert	Bonney Forge	DC89	N/A	pc #28	N/A	Replaced	No
1" Sch 80 pipe	Quanex	282922	N/A	pc #4	N/A	Replaced	No
1" x 3/4" Red Tee	Bonney Forge	W879	N/A	pc #27	N/A	Replaced	No
3/4" Sch 80 pipe	Quanex	268672	N/A	pc #14	N/A	Replaced	No
3/4" Plug Valve	Xomox	R353	N/A	pc #32	N/A	Replaced	No
1" Sch 80 pipe	Quanex	282922	N/A	pc #5	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



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

Page 2 of 3

1. Owner Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101

Date February 15, 1990  
 Sheet 2 of 3

2. Plant Recon Section Atomic Power Station  
Cells, #4 - #514

Unit 3  
Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.

3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III 1980 Edition, Winter '81 Agency N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Agency N-208 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sht. 104	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore A-RHR							
1" 90° Ell	Bonney Forge	Z400A	N/A	pc #16	N/A	Replaced	No
1" Sch 80 pipe	Quanex	282922	N/A	pc #6	N/A	Replaced	No
1" 90° Ell	Bonney Forge	Z400A	N/A	pc #18	N/A	Replaced	No
1" Sch 80 pipe	Quanex	282922	N/A	pc #8	N/A	Replaced	No
1" 90° Ell	Bonney Forge	DB34	N/A	pc #19	N/A	Replaced	No
1" Sch 80 pipe	Quanex	282922	N/A	pc #9	N/A	Replaced	No
1" 90° Ell	Bonney Forge	Z400A	N/A	pc #21	N/A	Replaced	No
1" Sch 80 pipe	Quanex	282922	N/A	pc #11	N/A	Replaced	No
1" Plug Valve	Xomox	SP-R352K	N/A	pc #31	N/A	Replaced	No
1" Sch 80 pipe	Quanex	282922	N/A	pc #12	N/A	Replaced	No
1 1/2" x 1" Re'l. Cplg	Bonney Forge	CV79	N/A	pc #30	N/A	Replaced	No
4 x 4 x 3/8 Tube Steel	Welded Tube Supply of America	W86109	N/A	H6	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc #15	N/A	Replaced	No

FORM NIS-2 (Back)

1. Test Conditions  
 Temperature ☒ X ☐ ☐  
 Pressure ☐ ☐  
 Pressure 102 Test Temp. Ambient

2. Remarks 1/18  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

I hereby certify that the equipment tested in this report was tested and the replacement conforms to the rules of the ASME Code.

Type Code Symbol None

Caution or Attention No. None Expiration Date N/A

Serial Reimpr Lead Mech. Installation Engr. 2-15 : 90  
Robert H. Haffner 2/5/90

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, having a valid certification issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania was employed by Hookford Steam Boilers Inc. and Ins. Co.  
 The certification expires on the Owner's Record Book on date 12/1/88 to 3/5/90  
 This is the date of my inspection and found the Owner has complied with the rules and regulations of the ASME Code, Section II.

By signing this certificate under the penalty for its contents being any violation, including the conditions and corrective measures required in the Owner's Record Book, I declare that I am not aware of any condition or any part of the equipment or of a part of any part being out of compliance with the rules.

March 5 : 90  
Pa 2163 NB 7592

# 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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Pecon Bottom Atomic Power Station Unit 2  
Delta, PA 17314 Phila. Electric NED, Mod 2106
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III: 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. ISO-3-33-22	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Large Bore B-RHR							
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 001	N/A	Spool 002	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 001	N/A	Spool 003B	N/A	Replaced	No
3" R F Flange	WFI	868PNT	N/A	Spool 017	N/A	Replaced	No
3" R F Flange	WFI	868PNT	N/A	Spool 016	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 003A	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 003A	N/A	Spool 004	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 003A	N/A	Spool 005	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 003A	N/A	Spool 006	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 003A	N/A	Spool 007	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 003A	N/A	Spool 008	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 003A	N/A	Spool 009	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



**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 10, 1980  
2501 Market St. Philadelphia, PA 19101 Sheet 2 of 3  
 2. Plant Reagan Bottom Atomic Power Station Unit 3  
Delts. PA 17314 Mod 2106  
Phil. Electric Nuclear Engineering  
Dept.  
 3. Work Performed by Philadelphia Electric Company  
2501 Market St. Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Construction Code ASME III 19 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification Dwg. ISO-3-33-22	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Large Bore B-RHR							
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 010A	N/A	Replaced	No
3" R F Flange	WFI	868PNT	N/A	Spool 015	N/A	Replaced	No
3" R F Flange	WFI	868PNT	N/A	Spool 014	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 010B	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 010B	N/A	Spool 011	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 010B	N/A	Spool 012	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 010B	N/A	Spool 013	N/A	Replaced	No
3" Plug Valve	XOMOX	SP-R352K	N/A	508E	N/A	Replaced	No
3" Plug Valve	XOMOX	SP-R352K	N/A	508F	N/A	Replaced	No
6 x 3 Tube Steel	WELDED TUBE CO.	D64999	N/A	H2	N/A	Replaced	No
6 x 3 Tube Steel	WELDED TUBE CO.	D64999	N/A	H230	N/A	Replaced	No
1/2" Plate	BETHLEHEM STEEL	401H0563	N/A	HS162	N/A	Replaced	No

B-RHR ISO-3-33-22

## FORM NIS-2 (Back)

1. Tests Conducted:

HYDROSTATIC



Pneumatic



Nominal Operating Pressure



Other



Pressure 100

ps

Test Temp.

Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

Robert Haffner 4/15/90

Champion Lead Mech. Installation Dept.

Date

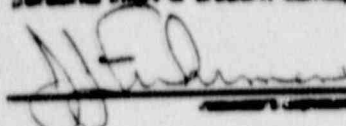
2-15

90

## 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 Hartford Steam Boiler Insp. and And Inc. Co. have performed the examinations described in the Owner's Report during the dates 12/1/88 to 3/5/90 and deem this to the best of my knowledge and belief. The Owner has sometimes examinations and taken corrective measures described in the 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 the 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.



Commission No.

Pa 2163 NB 7592

Date

March 5

19 90

# 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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 2
2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106
3. Work performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Description of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-980 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification Dwg. ISO-3-33-23	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped: Yes or No
Large Bore B-PHR							
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 003	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 002	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001B	N/A	Replaced	No
3" R F Flange	WFI	868PNT	N/A	Spool 005	N/A	Replaced	No
3" R F Flange	WFI	868PNT	N/A	Spool 004	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001A	N/A	Replaced	No
6 x 3 Tube Steel	WELDED TUBE CO.	D64999	N/A	H235	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves
- 
- 
-



FORM NIS-2 (Back)

1. Tests Conducted

Hydrostatic ☒

Insulation ☐

Normal Operating Pressure ☐

Other ☐

Pressure 100 ps

Test Temp. Ambient

2. Remarks

N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Signed William Lead Mech. Installation Engr. Date 2-15-90

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 Horizontal Steam Boilers Corp. have inspected the components described in the Owner's Report during the dates Dec 1, 1989 to Feb 27, 1990 and since that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 the 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.

William Lead Commission PA 2103 NB 1033  
Date Feb 27 19 90

**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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 2

2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P.D. No. 100 No. 10

3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III, § 80 Edition Winter '81 Addenda N/A Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case \_\_\_\_\_

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification Dwg. ISO-3-33-29	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped: Yes or No
Large Bore B-RHR							
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 002	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 003	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 004	N/A	Replaced	No
1/2" Plate	BETHLEHEM STEEL	401H0563	N/A	HS161	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

B-RHR ISO-3-33-29

FORM NIS-2 (Back)

1. Tests Conducted

Hydrostatic ☒

Insulated ☐

Normal Operating Pressure ☐

Other ☐

Pressure 100

ps

Test Temp.

Ambient

2. Remarks

N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Signed

*Robert Hoff*  
4.540

Lead Techn. Installation Insp.

Date

2.15

90

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 Province of PENNSYLVANIA and employed by Hartford Steam Boiler & Co.

have inspected the components described in the Owner's Report during the dates 12/1/88 to 2/23/90 and deem that to the best of my knowledge and belief, the Owner has taken corrective measures described in the 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 the 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.

*Michael J. King*

Commission

NB.8491 PA.2498

Date

Feb. 23

19

90



# 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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Job 1 of 3  
 2. Plant Pecon Bottom Atomic Power Station Unit 3  
Certs. PA 17314 Phila. Electric NED, Mod 2106  
 3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Conservation Code ASME III is 80 Edition Winter '81 Addenda N/A Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case \_\_\_\_\_  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Required, Replaced, or Replacement	ASME Code Stamped: Yes or No
Small Bore B RHR				FSK-M-3033 Sheet 2			
1" pipe	QUANEX	282922	N/A	pc #1	N/A	Replaced	No
1" 90° ell	BONNEY FORGE	2400A	N/A	pc #12	N/A	Replaced	No
1" pipe	QUANEX	282922	N/A	pc #2	N/A	Replaced	No
1" 90° ell	BONNEY FORGE	DB34	N/A	pc #14	N/A	Replaced	No
1" pipe	QUANEX	282922	N/A	pc #4	N/A	Replaced	No
1" 90° ell	VONNEY FORGE	DB34	N/A	pc #15	N/A	Replaced	No
1" pipe	QUANEX	282922	N/A	pc #5	N/A	Replaced	No
1" plug valve	XOMOX	R353K	N/A	pc #22	N/A	Replaced	No
1" pipe	QUANEX	282922	N/A	pc #7	N/A	Replaced	No
1" tee	LADISH	P616	N/A	pc #18	N/A	Replaced	No
1x3/4 red. insert	CAPITOL	0861	N/A	pc #19	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	pc #10	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

As Required by the Provisions of the ASME Code Section XI

Unit 2  
 Mod 2106  
 Phila. Electric Nuclear Engineering  
 Power Generation, P. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837,

#### 6. Identification of Components Required or Replaced and Replacement Components

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FORM NIS-2 (BACK)

1. Tests Conducted:

HYDROSTATIC ☒

INSULATED ☐

NOMINAL OPERATING PRESSURE ☐

Size ☐

Pressure 100 PS

Test Temp. Ambient

2. Remarks

N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Signed Robert Hoffman Lead Tech. Installation Team Date 2-15-90

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 Arizona at Peabody, Arizona and employed by Hanford Steam Boiler Shop

have inspected the components described in this Owner's Report during the dates 12/1/88 to 2/3/89 and based on the results of my knowledge and belief, the Owner has corrected deficiencies 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.

Robert Hoffman  
Inspector's Signature

Commission PA 2163 NB 7-1-88

Date Feb 27 19 90



**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 15, 1980  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 2

2. Plant Reactor System Atomic Power Station Unit 3  
Contra, PA 17314 Phila. Electric NED, Mod 2106

3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III 1980 Edition, Winter '81 Section N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement is 80, Winter '81 Section N-308 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Required, Replaced, or Replacement	ASME Code Stamped: Yes or No
Small Bore B RHR				FSK-M-3033 Sheet 10			
2" pipe	QUANEX	296112	N/A	pc #1	N/A	Replaced	No
2" plug valve	XOMOX	R353K	N/A	pc #16	N/A	Replaced	No
2" pipe	QUANEX	296112	N/A	pc #2	N/A	Replaced	No
2x3/4" red. tee	BONNEY FORGE	2448	N/A	pc #15	N/A	Replaced	No
2" pipe	QUANEX	296112	N/A	pc #3	N/A	Replaced	No
2" pipe	QUANEX	296112	N/A	pc #4	N/A	Replaced	No
2" 90° ell	LADISH	2WKEI	N/A	pc #11	N/A	Replaced	No
2" pipe	QUANEX	296112	N/A	pc #5	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	pc #6	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	pc #17	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	pc #7	N/A	Replaced	No
3/4" 90° ell	BONNEY FORGE	2434A	N/A	pc #12	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

As Required by the Provisions of the ASME Code Section XI

Cato February 15 1900

Sheet 2 of 3

Umm 3

Mod 2106

Phila. Electric Nuclear Engineering  
 Local Organization #2 Nat. ENR. Soc. Dept.

2201 Market St. Philadelphia, PA. 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III '80 Edition, Winter '81 Agency N/A 2000 Code

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Ascenda N-308 2005 Case

#### 5. Identification of Components Required or Replaced and Replacement Components

[illegible]

B-RHR FSK-M-3033 Sht. 10

## FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic



Insulated



Nominal Operating Pressure



Other



Pressure 100

PS

Test Temp.

Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

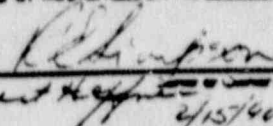
Certificate of Authorization No.

None

Expiration Date

N/A

Signed



Lead Mech. Installation Regm.

Date

2-15

90

## 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 Province of Pennsylvania and employed by Hot Rod Steam Boiler Inc.

Bob Lee Co have inspected the components described in this Owner's Report during the dates 12/1/35 to 2/27/90 and state that to the best of my knowledge and belief, the Owner has permitted 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.



Commission

PA 2143 N3 7572

Date

Feb 27

19

90



# 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  
2201 Market St. Philadelphia, PA 19101  
 Date February 15, 1980  
 Sheet 1 of 4
2. Plant Peach Bottom Atomic Power Station  
Delta, PA 17314  
 Unit 3  
Phila. Electric NED, Mod 2106  
Under Construction, P.E. No. 100, 101, 102
3. Work performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-1980 Edition Winter '81 Addenda N/A Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case \_\_\_\_\_
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes or No
Small Bore B RHR				FSK-M-3033 Sheet 44 A			
2" pipe	QUANEX	296112	N/A	pc #1	N/A	Replaced	No
2" plug valve	XOMOX	R353K	N/A	pc #29	N/A	Replaced	No
2" pipe	QUANEX	296112	N/A	pc #2	N/A	Replaced	No
2x3/4 red. tee	CAPITOL	R84R	N/A	pc #23	N/A	Replaced	No
2" pipe	QUANEX	296112	N/A	pc #3	N/A	Replaced	No
2" pipe	QUANEX	296112	N/A	pc #4	N/A	Replaced	No
2" tee	LAOISH	L980	N/A	pc #22	N/A	Replaced	No
2" pipe	QUANEX	296112	N/A	pc #5	N/A	Replaced	No
2" cap	BONNEY FORGE	DD18	N/A	pc #26	N/A	Replaced	No
2" pipe	QUANEX	296112	N/A	pc #6	N/A	Replaced	No
2x3/4 red. tee	CAPITOL	R84R	N/A	pc #24	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	pc #14	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

**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 15, 1980  
2201 Market St., Philadelphia, PA 19101 Sheet 2 of 4

2. Plant Pressurized Water Reactor Atomic Power Station Unit 3  
Delco, PA 17814 Mod 2106  
Phil. Electric Nuclear Engineering  
Local Organization #2, Inc., 1200 N. 1st St., Dept.

3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA, 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III 19 80, Section Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 44	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore B RHR							
3/4" 90° ell	LADISH	M538	N/A	pc #20	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	pc #12	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	pc #30	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	pc #10	N/A	Replaced	No
2" pipe	QUANEX	296112	N/A	pc #7	N/A	Replaced	No
2" RF Flange	COFFER	AIJV	N/A	pc #33	N/A	Replaced	No
2" RF Flange	COFFER	AIJV	N/A	pc #34	N/A	Replaced	No
2" pipe	QUANEX	296112	N/A	pc #32	N/A	Replaced	No
2x3/4 red. tee	BONNEY FORGE	Z448	N/A	pc #25	N/A	Replaced	No
2" pipe	QUANEX	296112	N/A	pc #8	N/A	Replaced	No
2" 90° ell	LADISH	BB7S	N/A	pc #17	N/A	Replaced	No
2" pipe	QUANEX	296112	N/A	pc #9	N/A	Replaced	No
2" FF Flange	COFFER	AJLE	N/A	pc #27	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	pc #15	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	pc #31	N/A	Replaced	No

1. Owner Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101

2. Plant Peach Bottom Atomic Power Station  
Calto, PA 17314

3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA, 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME IWT 19 80 Edition, Winter '81 Addenda N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Date February 15, 1990  
Sheet 3 of 4  
Unit 3  
Mod 2106  
Phila. Electric Nuclear Engineering  
Local Organization, P.O. Box 200, P.O. Box Dept.

184



FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic ☒

Insulated ☐

Nominal Operating Pressure ☐

Other ☐

Pressure 102 ps

Test Temp. Ambient

2. Remarks

N/A

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.

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Signed

*R. Ching*

Lead Mech. Installation Team

Date

2.15

3

30

*Robert H. Hoffman*  
4/15/90

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 Virginia at Pennock, VA and employed by Hoodland Station, Baker, Texas

and Inc. Co. have inspected

the components described in the Owner's Report during the period 12/1/85 to 2/22/86 and seen

that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 the 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.

*M. F. ...*  
Inspector's Signature

Commissioner

*Ph. 2102*

Date Feb 27 19 90

# 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  
2301 Market St., Philadelphia, PA 19101  
 Date February 15, 1990  
 Sheet 1 of 3
2. Plant Peach Bottom Atomic Power Station  
Delta, PA 17314  
 Unit 3  
Phila. Electric NED, Mod 2106  
Under Construction, P.E. No. 100, 101, 102
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 13
5. (a) Applicable Construction Code ASME III 1980 Edition Winter '81 Addenda N/A Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case \_\_\_\_\_
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes or No
Small Bore B-RHR				FSK-M3033 Sheet 50			
1" pipe	QUANEX	282922	N/A	pc #1	N/A	Replaced	No
1" plug valve	XOMOX	R353	N/A	pc #12	N/A	Replaced	No
1" pipe	QUANEX	282922	N/A	pc #2	N/A	Replaced	No
1" cap	BONNEY FORGE	DD22	N/A	pc #9	N/A	Replaced	No
1" pipe	QUANEX	282922	N/A	pc #3	N/A	Replaced	No
1" 90° ell	BONNEY FORGE	D834	N/A	pc #8	N/A	Replaced	No
1" pipe	QUANEX	282922	N/A	pc #4	N/A	Replaced	No
1" plug valve	XOMOX	R353	N/A	pc #13	N/A	Replaced	No
1" pipe	QUANEX	282922	N/A	pc #5	N/A	Replaced	No
1" cap	BONNEY FORGE	DD22	N/A	pc #10	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	pc #6	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	pc #14	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

As Required by the Provisions of the ASME Code Section XI

Unit 3  
Mod 2106  
Phila. Electric Nuclear Engineering  
Local Organization # 2 Vol. 200 No. 22 Dept.

### 5. Identification of Components Required or Replaced and Replacement Components

187



# FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic ☒

Pneumatic ☐

Nominal Operating Pressure ☐

Other ☐

Pressure 100 ps

Test Temp. Ambient °F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Signed

*Robert Hoffman*  
Robert Hoffman 2/15/90

Lead Mech. Installation Dept.

Date 2-15-90

## 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 Province of Pennsylvania and employed by Hartford Steam Boiler Inc.

have inspected the components described in the Owner's Report during the dates 12/1/89 to 2/27/90 and state

that to the best of my knowledge and belief, the Owner has permitted examinations and taken corrective measures described in the 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 the 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.

*Robert Hoffman*  
Inspector's Signature

Commission No. 2112 NR 7542

Date Feb 27 1990

**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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 3  
 2. Plant Beacon Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
 3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Construction Code ASME III: 80 Edition Winter '81 Addenda N/A Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case \_\_\_\_\_  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped: Yes or No
Small Bore B RHR				FSK-M-3033 Sheet 93			
1" pipe	QUANEX	282922	N/A	pc #1	N/A	Replaced	No
1" union	BONNEY FORGE	DB97	N/A	pc #15	N/A	Replaced	No
1" union	BONNEY FORGE	CV38	N/A	pc #15	N/A	Replaced	No
1" union	BONNEY FORGE	DC35	N/A	pc #15	N/A	Replaced	No
1" pipe	QUANEX	282922	N/A	pc #2	N/A	Replaced	No
1" tee	LADISH	P616	N/A	pc #14	N/A	Replaced	No
1x3/4 red. insert	BONNEY FORGE	CH99	N/A	pc #20	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	pc #7	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	pc #21	N/A	Replaced	No
3/4" pipe	QUANEX	268672	N/A	pc #8	N/A	Replaced	No
1" pipe	QUANEX	282922	N/A	pc #3	N/A	Replaced	No
1 1/2x1 red. insert	CAPITOL	844	N/A	pc #18	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

As Required by the Provisions of the ASME Code Section XI

Date February 15, 1990  
Sheet 2 of 3

Mod 2106

\* Identification of System Emergency Service Water, Mechanical System No. 32

3. (a) Applicable Construction Code ASME III 19 80 Edition, Winter '81 Addenda N/A Code Case

b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Agenda, N-308 Side Case

### 5. Identification of Components Repaired or Replaced and Replacement Components

190



FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic ☒

Inspection ☐

Nominal Operating Pressure ☐

Other ☐

Pressure 102 ps

Test Temp. Ambient °F

2. Remarks

N/A

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.

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Signed

Robert Hoffman 2/15/90

Lead Mech. Installation Exam

Date 2-15-90

90

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, have inspected the components described in this Owner's Report during the dates 12/1/88 to 3/5/90 and deem 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

Commissioner

PA 2163 NB 7592

Date MAR. 5 19 90

# 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 15, 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 2
2. Plant Peach Bottom Atomic Power Station Unit 3  
Certa, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P. 2, NED, Mod 2106, 112
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-80 Edition Winter '81 Addenda N/A Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case \_\_\_\_\_
6. Identification of Components Required or Replaced and Replacement Components

Name of Component Small Bore B-RHR	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 94	Year Built	Required, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1" 90 Deg. Ell.	BONNEY FORGE	L992	N/A	pc.#9	N/A	Replaced	No
1" Pipe	QUANEX	282922	N/A	pc.#2	N/A	Replaced	No
1" 90 Deg. Ell.	BONNEY FORGE	DB34	N/A	pc.#10	N/A	Replaced	No
1" Pipe	QUANEX	282922	N/A	pc.#3	N/A	Replaced	No
1" Plug Valve	XOMOX	SP-R352K	N/A	pc.#14	N/A	Replaced	No
1" Pipe	QUANEX	282922	N/A	pc.#6	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

B-RHR FSK-M-3033 Sht. 94

## FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic



Insulated



Nominal Operating Pressure



Other



Pressure 102

PS

Test Temp.

Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

*R. Simpson*

Lead Mech. Installation Engr.

Date

2-15

90

*Robert Hoffman*  
2/15/90

## 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 Province of PENNSYLVANIA and employed by HARTFORD Steam Boiler I.P.T. Co. have inspected

the components described in this Owner's Report during the dates 12/1/88 to 2/23/90 and state that to the best of my knowledge and belief, the Owner has corrected 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.

*Michael G. King*

Commissioner

NB 8491

PA 2498

Date

Feb-23

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# 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  
2301 Market St. Philadelphia, PA 19101

Date February 15, 1990  
 Sheet 1 of 2

2. Plant Peach Bottom Atomic Power Station  
Delta, PA 17314

Unit 3  
Phila. Electric NED, Mod 2106

3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III, § 80 Edition Winter '81 Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component Small Bore B-RHR	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 95	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3/4" Pipe	QUANEX	268672	N/A	pc.#1	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#9	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#2	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#12	N/A	Replaced	No
3/4" 45 Deg. Ell.	BONNEY FORGE	Z573A	N/A	pc.#11	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#3	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#10	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#4	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

FORM NIS-2 (Back)

1. Tests Conducted:

Macroscopic ☒

Insulated ☐

Nominal Operating Pressure ☐

Other ☐

Pressure 102

PS

Test Temp. Ambient

°F

3. Remarks

N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Signed

Robert H. Hoffman

2/15/90

Lead Mech. Installation Eng.

Date

2/15

90

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 Province of Pennsylvania, was employed by Hartford Steam Boiler Ins. and

have inspected the components described in this Owner's Report during the dates 12/1/89 to 2/12/90 and seen

that to the best of my knowledge and belief, the Owner has satisfied 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 of Inspector

Commission

PA 2143 NB 7592

NATIONAL BOARD, 2200 F STREET, N.W., WASHINGTON, D.C. 20037

Date

Feb. 27


19

90

# 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 15, 1980  
2301 Market St., Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Peach Bottom Atomic Power Station Unit 3  
Della, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P. 2, Vol. 100, Phil. Elec.
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III is 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification DWG ISO-3-33-34 Sheet 1 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Large Bore C-RHR							
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 001A	N/A	Replaced	No
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 001B	N/A	Replaced	No
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 002	N/A	Replaced	No
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 003	N/A	Replaced	No
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 004A	N/A	Replaced	No
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 004B	N/A	Replaced	No
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 005A	N/A	Replaced	No
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 005B	N/A	Replaced	No
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 006	N/A	Replaced	No
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 008	N/A	Replaced	No
R.F.W.N. 150# 3" Flange	Ladish	XS2A	N/A	Spool 012	N/A	Replaced	No
R.F.W.N. 3" Flange	Ladish	XS2A	N/A	Spool 013	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



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  
1201 Market St., Philadelphia, PA 19101  
Plant Pecon Bottom Atomic Power Station  
Date: 01-17-84  
Work Performed by Philadelphia Electric Company  
1201 Market St., Philadelphia, PA, 19101  
Commission of System Emergency Service Water, Mechanical System No. 17  
 2. (a) Applicable Codebook Case ASME III 19 80 Edition Winter 191 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Reviews or Replacements is 80 Winter 191 Addenda N/A-200 Code Case  
 3. Commission of Components Reviewed or Replaced and Replacement Components

[illegible]

• **اسماء بنت ابی بکر**

**—VERGARA**

## DISCUSSION

### Learning Objectives

**Содержание**

STANDARD 1.00

**Test Items.**

Ambient

## 2. NOTES

WE CERTIFY THAT THE STATEMENTS MADE IN THE REPORT ARE CORRECT AND THE DISSEMINATION INTENTIONS IS THE POLICY OF THE ASAC. CASE.

Two Code Symbols Same None

DATE OF ACQUISITION 1958

### Samraon Case

2/2

Sgnco

2025 '000, 2025 '000, 2025 '000

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2.15

90

The undersigned, hereby & under oath declare to the Honorable Senate of Denver and President Victor Henderson and to each of them

Pennsylvania

THE COMPASS BY Two-Ward Steam Boiler Insp

Page 2 of 5.

THE CERTIFICATE CONTAINED IN THIS COVERED AGENT DURING THE PERIOD 12/1/88

3	5	9
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THIS IS THE CASE OF MY WIFE, THE OWNER HAS EXTENSIVE EXPERIENCE AND HER EXTENSIVE KNOWLEDGE OF THE OWNER'S RECORD IN ACCORDANCE WITH THE REQUIREMENTS OF THE ASME CODE, SECTION XI.

By signing this certificate under the signature that his employer makes any warranty, statement or threat, concerning the confidential and sensitive materials contained in this Owner's Asset, Pertaining, under the signature that his employer was engaged in any transaction any personal injury or property damage of a kind in any way arising out of or connected with the business.

*[Handwritten signature]*

c. PA 2143 NB 7592

msch 5 90

# 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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Peach Bottom Atomic Power Station Unit 2  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction P.E. No. 100 P.E. No. 110
3. Work performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Description of System Emergency Service Water, Mechanical System No. 13
5. (a) Applicable Construction Code ASME III-1980 Edition, Winter '81 Addenda N/A Date Code   
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Date Code
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped: Yes or No
Large Bore C-RHR				ISO-3-33-34 Sht. 2			
Fabricated Spool	DRAVO	Bechtel PO 18247-P357AC	N/A	Spool 016	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 015	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 013B	N/A	Replaced	No
3" 90P	LADISH	DX6B	N/A	Spool 014	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 013C	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 013A	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 012	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 010	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 011	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 009	N/A	Replaced	No
3" Valve	XOMOX	SP-R352K	N/A	508D	N/A	Replaced	No
3" Valve	XOMOX	SP-R352K	N/A	508C	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



As Required by the Provisions of the ASME Code Section XI

Sheet 2 of 3

Mod 2106  
Phila. Electric Nuclear Engineering  
1949-1950, 1951-1952, 1953-1954, 1955-1956, 1957-1958, 1959-1960, 1961-1962, 1963-1964, 1965-1966, 1967-1968, 1969-1970, 1971-1972, 1973-1974, 1975-1976, 1977-1978, 1979-1980, 1981-1982, 1983-1984, 1985-1986, 1987-1988, 1989-1990, 1991-1992, 1993-1994, 1995-1996, 1997-1998, 1999-2000, 2001-2002, 2003-2004, 2005-2006, 2007-2008, 2009-2010, 2011-2012, 2013-2014, 2015-2016, 2017-2018, 2019-2020, 2021-2022, 2023-2024, 2025-2026, 2027-2028, 2029-2030, 2031-2032, 2033-2034, 2035-2036, 2037-2038, 2039-2040, 2041-2042, 2043-2044, 2045-2046, 2047-2048, 2049-2050, 2051-2052, 2053-2054, 2055-2056, 2057-2058, 2059-2060, 2061-2062, 2063-2064, 2065-2066, 2067-2068, 2069-2070, 2071-2072, 2073-2074, 2075-2076, 2077-2078, 2079-2080, 2081-2082, 2083-2084, 2085-2086, 2087-2088, 2089-2090, 2091-2092, 2093-2094, 2095-2096, 2097-2098, 2099-2100, 2101-2102, 2103-2104, 2105-2106, 2107-2108, 2109-2110, 2111-2112, 2113-2114, 2115-2116, 2117-2118, 2119-2120, 2121-2122, 2123-2124, 2125-2126, 2127-2128, 2129-2130, 2131-2132, 2133-2134, 2135-2136, 2137-2138, 2139-2140, 2141-2142, 2143-2144, 2145-2146, 2147-2148, 2149-2150, 2151-2152, 2153-2154, 2155-2156, 2157-2158, 2159-2160, 2161-2162, 2163-2164, 2165-2166, 2167-2168, 2169-2170, 2171-2172, 2173-2174, 2175-2176, 2177-2178, 2179-2180, 2181-2182, 2183-2184, 2185-2186, 2187-2188, 2189-2190, 2191-2192, 2193-2194, 2195-2196, 2197-2198, 2199-2200, 2201-2202, 2203-2204, 2205-2206, 2207-2208, 2209-2210, 2211-2212, 2213-2214, 2215-2216, 2217-2218, 2219-2220, 2221-2222, 2223-2224, 2225-2226, 2227-2228, 2229-2230, 2231-2232, 2233-2234, 2235-2236, 2237-2238, 2239-2240, 2241-2242, 2243-2244, 2245-2246, 2247-2248, 2249-2250, 2251-2252, 2253-2254, 2255-2256, 2257-2258, 2259-2260, 2261-2262, 2263-2264, 2265-2266, 2267-2268, 2269-2270, 2271-2272, 2273-2274, 2275-2276, 2277-2278, 2279-2280, 2281-2282, 2283-2284, 2285-2286, 2287-2288, 2289-2290, 2291-2292, 2293-2294, 2295-2296, 2297-2298, 2299-2300, 2301-2302, 2303-2304, 2305-2306, 2307-2308, 2309-2310, 2311-2312, 2313-2314, 2315-2316, 2317-2318, 2319-2320, 2321-2322, 2323-2324, 2325-2326, 2327-2328, 2329-2330, 2331-2332, 2333-2334, 2335-2336, 2337-2338, 2339-2340, 2341-2342, 2343-2344, 2345-2346, 2347-2348, 2349-2350, 2351-2352, 2353-2354, 2355-2356, 2357-2358, 2359-2360, 2361-2362, 2363-2364, 2365-2366, 2367-2368, 2369-2370, 2371-2372, 2373-2374, 2375-2376, 2377-2378, 2379-2380, 2381-2382, 2383-2384, 2385-2386, 2387-2388, 2389-2390, 2391-2392, 2393-2394, 2395-2396, 2397-2398, 2399-2400, 2401-2402, 2403-2404, 2405-2406, 2407-2408, 2409-2410, 2411-2412, 2413-2414, 2415-2416, 2417-2418, 2419-2420, 2421-2422, 2423-2424, 2425-2426, 2427-2428, 2429-2430, 2431-2432, 2433-2434, 2435-2436, 2437-2438, 2439-2440, 2441-2442, 2443-2444, 2445-2446, 2447-2448, 2449-2450, 2451-2452, 2453-2454, 2455-2456, 2457-2458, 2459-2460, 2461-2462, 2463-2464, 2465-2466, 2467-2468, 2469-2470, 2471-2472, 2473-2474, 2475-2476, 2477-2478, 2479-2480, 2481-2482, 2483-2484, 2485-2486, 2487-2488, 2489-2490, 2491-2492, 2493-2494, 2495-2496, 2497-2498, 2499-2500, 2501-2502, 2503-2504, 2505-2506, 2507-2508, 2509-2510, 2511-2512, 2513-2514, 2515-2516, 2517-2518, 2519-2520, 2521-2522, 2523-2524, 2525-2526, 2527-2528, 2529-2530, 2531-2532, 2533-2534, 2535-2536, 2537-2538, 2539-2540, 2541-2542, 2543-2544, 2545-2546, 2547-2548, 2549-2550, 2551-2552, 2553-2554, 2555-2556, 2557-2558, 2559-2560, 2561-2562, 2563-2564, 2565-2566, 2567-2568, 2569-2570, 2571-2572, 2573-2574, 2575-2576, 2577-2578, 2579-2580, 2581-2582, 2583-2584, 2585-2586, 2587-2588, 2589-2590, 2591-2592, 2593-2594, 2595-2596, 2597-2598, 2599-2600, 2601-2602, 2603-2604, 2605-2606, 2607-2608, 2609-2610, 2611-2612, 2613-2614, 2615-2616, 2617-2618, 2619-2620, 2621-2622, 2623-2624, 2625-2626, 2627-2628, 2629-2630, 2631-2632, 2633-2634, 2635-2636, 2637-2638, 2639-2640, 2641-2642, 2643-2644, 2645-2646, 2647-2648, 2649-2650, 2651-2652, 2653-2654, 2655-2656, 2657-2658, 2659-2660, 2661-2662, 2663-2664, 2665-2666, 2667-2668, 2669-2670, 2671-2672, 2673-2674, 2675-2676, 2677-2678, 2679-2680, 2681-2682, 2683-2684, 2685-2686, 2687-2688, 2689-269

### 3. Identification of Components Required or Related and Replacement Components

## FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic



Insulated



Nominal Operating Pressure



Other



Pressure 100

ps

Test Temp.

Ambient

°F

2. Remarks

N/A

## 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.

Type Code Symbol Stamp

None

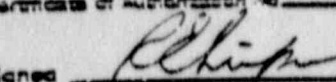
Certificate of Authorization No.

None

Expiration Date

N/A

Signed

  
 Robert H. Hoffman

Lead Mech. Installation Insp.

Date

2-15

is

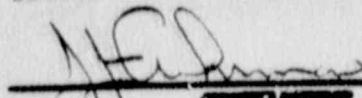
90

## 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 Province of Pennsylvania and employed by Hartford Steam Boiler Insp. have inspected

the components described in this Owner's Report during the dates 12/1/88 to 3/5/90 and since 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

Commission

PA 2163 NB 7572

Date

March 5

is

90

# 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 15, 1990  
2301 Market St., Philadelphia, PA 19101 Sheet 1 of 2
2. Plant Reagan-Bethesda Atomic Power Station Unit 2  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
Reagan-Bethesda Atomic Power Station, Unit 2, Delta, PA 17314
3. Work performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-1980 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification DWG. ISO-	Year Built	Required, Replaced, or Replacement	ASME Code Stamped: Yes or No?
Large Bore C-RHR				3-33-35			
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 003	N/A	Replaced	No
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 001R	N/A	Replaced	No
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 001A	N/A	Replaced	No
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 002B	N/A	Replaced	No
3" Flange	Ladish	XS2A	N/A	Spool 005	N/A	Replaced	No
3" Flange	Ladish	XS2A	N/A	Spool 004	N/A	Replaced	No
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 002A	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



## FORM NIS-2 (Back)

1. Test Conditions: ☒ Increased ☐ Decreased ☐ Normal Operating Pressure ☐ Other ☐ \_\_\_\_\_  
 Pressure 102 ps Test Temp. Ambient °F

2. Remarks: N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Same None

Character of Alteration No None Extension Code N/A

Signer William J. King Lead Mech. Installation Engr. Date 2-15-90

Robert H. Haffner 4/15/90

## CERTIFICATE OF INSERVICE INSPECTION

The undersigned, holding a valid certification issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania, is authorized by Hartford Steam Boiler & Engine Co.

The certification expires on the Owner's Report during the term 12/1/88 to 2/22/90 and shall be the basis of my inspection and report. The Owner has provided satisfactory and timely corrective measures concerning the Owner's Report in accordance with the provisions of the ASME Code, Section XI.

By signing this certificate under the penalty of perjury, I am certifying that the inspection was conducted in accordance with the provisions of the ASME Code, Section XI, and that the inspection was conducted in accordance with the provisions of the ASME Code, Section XI, and that the inspection was conducted in accordance with the provisions of the ASME Code, Section XI.

William J. King Date Feb 22 90 NB. 5001 2.2441

# 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 15, 1990  
2301 Market St., Philadelphia, PA 19101 Sheet 1 of 2
2. Plant Peach Bottom Atomic Power Station Unit 3  
Cerra, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P 2, No. 100 Rev. 10
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III is 80 Section Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilizes the Addenda or Addendums is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Addenda or Addendums and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No	National Board No.	Other Identification DWG - ISO 3-33-36	Year Built	Required, Replaced, or Replacement	ASME Code Stamped: (Yes or No)
Large Bore C-RHR							
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 005C	N/A	Replaced	No
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 005B	N/A	Replaced	No
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 005A	N/A	Replaced	No
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 004	N/A	Replaced	No
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 003	N/A	Replaced	No
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 002	N/A	Replaced	No
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 001	N/A	Replaced	No
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 006A	N/A	Replaced	No
Fabricated Spool	Dravo	Bechtel PO 18247-P351AC	N/A	Spool 006B	N/A	Replaced	No
3" Ø Flange	Ladish	XS2A	N/A	Spool 008	N/A	Replaced	No
3" Ø Flange	Ladish	XS2A	N/A	Spool 007	N/A	Replaced	No
1/2" Plate	Bethlehem Steel	412K2452	N/A	H S-164	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

**\* مکتبہ اسلامیہ**

~~CONFIDENTIAL~~ ☒ X

**IMPORTANCE** ☐

James Earl Ray ☐

□

102

Test Temp. Ambient

LEMONS N/A

WE CERTIFY THAT THE SUBSTITUTION MADE IN THE REPORT IS CORRECT AND THE replacement INTENDS TO BE TRUE OF THE ABOVE CASE.

Tree Code Symbol Name None

Cartridges or Ammunition No. None

Exemption Code N/A

Serial 215 - Lead Mech. Installation Engr. 2.15 : 90

Robert 4 yf 2/15/90

THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE BY THE FOLLOWING DATE AND TIME: 08/01/2001 10:00 AM

Pennsylvania 14246rd Street, Bala Cynwyd

And Five-10

THE CERTIFICATION NUMBER OF THE COURT REPORTER TO COME 121188 3/5/90

THIS IS THE CASE OF ANY SIGNATURE AND NAME. DO NOT WRITE OR PRINT ANY OTHER INFORMATION ON THIS DOCUMENT UNLESS IT IS NECESSARY TO THE CARRIER'S

Report is submitted with the recommendations of the ASME Code, Section XI

[illegible]

Att. 2163 NB 7592


March 5 90



# 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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
Revised October 1988, P. 2, No. 108 No. 112
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III: 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-808 Code Case
6. Identification of Components Replaced or Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 1 	Year Built	Required, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore C-RHR							
1" Sch 80 Pipe	Quanex	282922	N/A	pc #1	N/A	Replaced	No
1" 90° Ell.	Bonney Forge	DB34	N/A	pc #11	N/A	Replaced	No
1" Sch 80 Pipe	Quanex	282922	N/A	pc #2	N/A	Replaced	No
1" Plug Valve	Xomox	R353K	N/A	pc #19	N/A	Replaced	No
1" Sch 80 Pipe	Quanex	282922	N/A	pc #4	N/A	Replaced	No
1" x 3/4" Red Tel	Bonney Forge	W879	N/A	pc #17	N/A	Replaced	No
1" Sch 80 Pipe	Quanex	282922	N/A	pc #5	N/A	Replaced	No
1" 90° Ell.	Bonney Forge	DB34	N/A	pc #14	N/A	Replaced	No
1" Sch 80 Pipe	Quanex	282922	N/A	pc #7	N/A	Replaced	No
1" Union	Ladish	CH51 CH62 H48	N/A	pc #18	N/A	Replaced	No
1" Sch 80 Pipe	Quanex	282922	N/A	pc #8	N/A	Replaced	No
3/4" Plug Valve	Xomox	R353	N/A	pc #20	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

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

1. Contact Philadelphia Electric Company  
2201 Market St. Philadelphia, PA 19101

DATE February 15, 1980  
Sheet 2 of 3

L. Plant Prager Station Atomic Power Station  
DATE: 25-1-74

Unit 3  
Mod 2106  
Swiss Electric Nuclear Engineering  
House of Science, 75 St. Louis, Mo. Dept.

2. Work Permitted by Philadelphia Electric Company  
Name \_\_\_\_\_  
2201 Market St. Philadelphia, PA. 19101

\* Identification of System: Emergency Service Water, Mechanical System No. 22

2. (a) APPLICABLE CONSTRUCTION CASE ASME 17.2 '80 Edition Winter '81 APPEND. 11/1 CASE Case

2) Applicable Edition of Section 30 Utilized for Repairs or Replacements is 80, Winter 1981 ACCORDS N-308 Case 2000

#### 4. Identification of Components: Records of Activities and Associated Components

[illegible]

[illegible]☒

— 1000000 —

NOTHING TO REPORT ☐

☐

102

Test form.	Ambient
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90	90
91	91
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97	97
98	98
99	99
100	100

**Continued**

WE CERTIFY THAT THE SUBSTITUTION MADE IN THE REPORT AND CAPTION AND THE replacement PERTAINS TO THE NAME OF THE ABOVE Case  
NAME OF PERSON

Type Code System Name None

CAUTIONER OF AUGUST 1968 RE: None

Estimated Cost N/A

Series 100-100000 Lead Mech. Installation Engr. 200

2.15

90

7. The undersigned, having a true and correct knowledge of the contents of the foregoing, and being duly sworn, depose and say that the above is a true and correct copy of the original as the same appears in the files of the undersigned.

THE INFORMATION CONTAINED IN THE CAPTIONED REPORT IS THE PROPERTY OF THE FBI AND IS TO BE USED ONLY FOR THE PURPOSES FOR WHICH IT WAS SUBMITTED. IT IS TO BE KEPT IN THE FILES OF THE FBI AND IS NOT TO BE DISCLOSED TO ANY OTHER AGENCY OR INDIVIDUAL WITHOUT THE WRITTEN AUTHORIZATION OF THE FBI. IT IS TO BE DESTROYED WHEN NO LONGER NEEDED FOR THE PURPOSES FOR WHICH IT WAS SUBMITTED.

By signing this document neither the undersigned nor his company makes any warranty, statement of opinion, concerning the construction and operative features contained in the Owner's Plans. Furthermore, neither the undersigned nor his company will be liable in any manner for personal injury or property damage of a kind in any way arising from or connected with the structure.


11/1/53  
Feb 27 1953  
P2.21.3 N3 7596



# 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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 2
2. Plant Reagan-Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P.E. No. 100, 101, 102
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-1 80 Edition Winter '81 Addenda N/A Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case \_\_\_\_\_
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification DWG. FSK-3033 Sht. 54 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore C-RHR							
1" Sch 80 Pipe	Quanex	282922	N/A	pc #1	N/A	Replaced	No
1" Sch 80 Pipe	Quanex	282922	N/A	pc #2	N/A	Replaced	No
1" Sch 80 Pipe	Quanex	282922	N/A	pc #3	N/A	Replaced	No
1" Sch 80 Pipe	Quanex	282922	N/A	pc #4	N/A	Replaced	No
3/4" Sch 80 Pipe	Quanex	268672	N/A	pc #5	N/A	Replaced	No
3/4" Sch 160 Pipe	United States Steel Corp.	M05125	N/A	pc #6	N/A	Replaced	No
1" Plug Valve	Xomox	R353	N/A	pc #10	N/A	Replaced	No
1" Plug Valve	Xomox	R353	N/A	pc #11	N/A	Replaced	No
3/4" Plug Valve	Xomox	R353	N/A	pc #12	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

C-RHR FSK-M-3033 Sht. 54

## FORM NIS-2 (Back)

1. Test Conditions

Temperature ☒Pressure ☐Atmospheric Pressure ☐Other ☐

Pressure 102

PS

Test Temp.

Ambient

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

We certify that the test results shown in the report are correct and the replacement conforms to the rules of the ASME Code.

Type Code Symbol Stamp None

Certification of Authorization None

Expiration Date N/A

Signed

Lead Mech. Installation Engr.

2.15

90

Robert H. Haffner 2/15/90

## CERTIFICATE OF INSERVICE INSPECTION

The undersigned, holding a valid certification issued by the ASME Board of Governors and Pressure Vessel Inspectors and the State of Illinois, and authorized by the ASME Code, has inspected the equipment described in the Owner's Report dated the date 12/1/89 and has found the equipment to be in compliance with the rules of the ASME Code, Section II.

By signing this certificate, the undersigned certifies that the equipment complies with the rules of the ASME Code, Section II, and that the equipment is in compliance with the rules of the ASME Code, Section II.

Signature: [Signature] Date: Feb 27 1990

# 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  
2201 Market St. Philadelphia, PA 19101

Date February 15, 1980  
 Sheet 1 of 1

2. Plant Peach Bottom Atomic Power Station  
Delta, PA 17314

Unit 3  
Phila. Electric NED, Mod 2106  
Under Construction, P. 2, Vol. 1 and Vol. 2

3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III 1980 Edition Winter '81 Approval N/A Case Case

(b) Applicable Edition of Section XI, Rules for Repairs or Alterations is 80, Winter '81 Approval N-308 Case Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Owner Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore C-RHR				DWG. FSK M-3033 Sheet 9th			
2" Sch 80 Pipe	Quanex	296112	N/A	pc #1	N/A	Replaced	No
2" Sch 80 Pipe	Quanex	296112	N/A	pc #2	N/A	Replaced	No
2" Sch 80 Pipe	Quanex	296112	N/A	pc #3	N/A	Replaced	No
2" Sch 80 Pipe	Quanex	296112	N/A	pc #4	N/A	Replaced	No
2" Sch 80 Pipe	Quanex	296112	N/A	pc #5	N/A	Replaced	No
2" Sch 80 Pipe	Quanex	296112	N/A	pc #6	N/A	Replaced	No
2" Sch 80 Pipe	Quanex	296112	N/A	pc #7	N/A	Replaced	No
2" Sch 80 Pipe	Quanex	296112	N/A	pc #8	N/A	Replaced	No
2" Sch 80 Pipe	Quanex	296112	N/A	pc #9	N/A	Replaced	No
3/4" Sch 80 Pipe	Quanex	268672	N/A	pc #10	N/A	Replaced	No
3/4" Sch 80 Pipe	Quanex	268672	N/A	pc #11	N/A	Replaced	No
2" x 3/4" Red Tee	Bouney Forge	W350	N/A	pc #25	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



**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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 2 of 4

2. Plant Passaic Steam Atomic Power Station Unit 3  
Calte, PA 17014 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.

3. Work Performed by Philadelphia Electric Company  
2201 Market St. Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. a) Applicable Conservation Code ASME III 1980 Edition, Winter 1981 Addenda N/A Code Case  
b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter 1981 Addenda N-208 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component Small Bore C-RHR	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Certification FSK-M-3033 Sheet 96	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3/4" 90 Deg. Ell.	BONNEY FORGE	2434A	N/A	pc.#19	N/A	Replaced	No
3/4" 45 Deg. Ell.	BONNEY FORGE	P642	N/A	pc.#23	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#12	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#30	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#13	N/A	Replaced	No
2" X 3/4" Red. Tee.	BONNEY FORGE	W358	N/A	pc.#26	N/A	Replaced	No
2" 90 Deg. Ell.	LADISH	BB7S	N/A	pc.#17	N/A	Replaced	No
2" Plug Valve	XOMOX	R353K	N/A	pc.#29	N/A	Replaced	No
2" 150# P.F. Flange	COFFER	AJLE	N/A	pc.#28	N/A	Replaced	No
2" 90 Deg. Ell.	LADISH	BB7S	N/A	pc.#18	N/A	Replaced	No
2" Tee	LADISH	L980	N/A	pc.#24	N/A	Replaced	No
2" X 3/4" Red. Tee	LADISH	16C	N/A	pc.#27	N/A	Replaced	No

1. Owner Philadelphia Electric Company Date February 15, 1990  
2301 Market St., Philadelphia, PA 19101 Sheet 3 of 4  
 2. Plant Peach Bottom Atomic Power Station Unit 2  
Delta, PA 17314 Mod 2106  
Phila. Electric Nuclear Engineering  
 3. Work Performed by Philadelphia Electric Company Dept.  
2301 Market St., Philadelphia, PA, 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 32  
 5. (a) Applicable Construction Code ASME III 1980 Edition, Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case  
 6. Identification of Components Required or Replaced and Replacement Components

213

## FORM NIS-2 (Back)

1. Test Conditions

Temperature ☒Humidity ☐Atmospheric Pressure ☐Dry ☐

Pressure 102

PS

Test Temp.

Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

We certify that the conditions stated in the report are correct and the replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Name None

Conditions of Authorization None

Exemption Code N/A

Signed

Lead Mech. Installation Engr.

2/15

90

Date 3/5/90

## CERTIFICATE OF INSERVICE INSPECTION

The undersigned, holding a valid certification issued by the Pressure Code of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania,

at Pennsylvania and operating of Hoodford Steam Boiler Tube + Ins.

The certificate was issued on the Owner's Authorization on date 12/1/88 to 2/28/90 and was

filed in the State of NY and Pennsylvania and shall be the Owner's responsibility and shall conform to the rules of the ASME Code, Section XI.

By signing this certificate under the penalty for its contents being any violation, condition or defect, concerning the conditions and defective conditions existing in the Owner's Asset, Personnel, equipment, materials or any other item or equipment or any personnel, property or equipment, or a class of any such item, equipment or personnel, with the inspection.

PA 2163 NB 7592

Date Feb 28

90



# 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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 3  
 2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric FED, Mod 2106  
 3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Construction Code ASME III's 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 97	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped: Yes or No
Small Bore C-RHR							
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" 90 Deg. Ell.	LADISH	BB7S	N/A	pc.#15	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" Plug Valve	XOMOX	R353K	N/A	pc.#24	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2" x 3/4" Red. Tee	BONNEY FORGE	W358	N/A	pc.#21	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#10	N/A	Replaced	No
3/4" 90 Deg. Ell.	BONNEY FORGE	2434A	N/A	pc.#16	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#11	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#26	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#13	N/A	Replaced	No
2" X 3/4" Red. Tee	BONNEY FORGE	W358	N/A	pc.#22	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**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  
2201 Market St., Philadelphia, PA 19101  
 2. Plant Pecon Bottom Atomic Power Station  
Cells, RA 17314

Date February 15, 1990  
 Sheet 2 of 3  
 Unit 3  
Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.

3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA, 19101

4. Identification of System Emergency Service Water, Mechanical System No. 32

5. (a) Applicable Construction Code ASME III '80, Section, Winter '81 Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 97	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore C-RHR				<b>A</b>			
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#7	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#6	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No
2" Tee	LADISH	L980	N/A	pc.#19	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2" X 1" Red. Insert	LADISH	BM37	N/A	pc.#23	N/A	Replaced	No
1" Sch. 80 Pipe	QUANEX	282922	N/A	pc.#8	N/A	Replaced	No
1" Plug Valve	XOMOX	R353	N/A	pc.#25	N/A	Replaced	No
1" Sch. 80 Pipe	QUANEX	282922	N/A	pc.#9	N/A	Replaced	No
1" Thr'd Cap	BONNEY FORGE	DE25	N/A	pc.#20	N/A	Replaced	No

FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic



Insulated



Nominal Operating Pressure



Other



Pressure 100

ps

Test Temp.

Ambient

°F

2. Remarks

N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

*Robert R. Hoffman*

Lead Techn. Installation Team

Date

2-15

90

Robert R. Hoffman  
2/15/90

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 Hood-Good Steam Boilers Inc. have performed the examinations described in the Owner's Report during the dates 12/1/89 to 2/23/90 and since that to the date of my knowledge and belief, the Owner has corrected examinations and taken corrective measures described in the 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 the 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.

*Robert R. Hoffman*

Commission

PA 2143 NB 7592

Date

Feb 28

19

90



# 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 15, 1980  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 2
2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P.E. No. 108 No. 110
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification DWG. FSK-M-3033 Sht. 98 <u>A</u>	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore C-RHR							
2" Sch 80 Pipe	Quanex	296112	N/A	pc #1	N/A	Replaced	No
2" Tee	Ladish	1980	N/A	pc #8	N/A	Replaced	No
2" Sch 80 Pipe	Quanex	296112	N/A	pc #12	N/A	Replaced	No
2" 150# F.F. Flg.	Coffer	AJLE	N/A	pc #9	N/A	Replaced	No
2" x 3/4" Red. Insert	Ladish	16C	N/A	pc #11	N/A	Replaced	No
3/4" Sch 80 Pipe	Quanex	268672	N/A	pc #4	N/A	Replaced	No
3/4" Plug Valve	Xomox	R353	N/A	pc #12	N/A	Replaced	No
3/4" Sch 80 Pipe	Quanex	268672	N/A	pc #5	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

FORM NIS-2 (Back)

1. Test Conditions  
 Temperature ☒ Increased ☐ Decreased ☐ Normal Operating Pressure ☐  
 Test ☐ \_\_\_\_\_  
 Pressure 102 ps Test Temp. Ambient °F

2. Remarks N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

I hereby certify that the equipment meets in its design and construction the replacement requirements of the rules of the ASME Code, Section XI.

Two Code Sections Apply None

Conditions of Authorization No. None Expiration Date N/A

Signed Robert H. Gifford Lead Mech. Installation Engr. Date 2-15-90  
Robert H. Gifford 3/15/90

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid certification issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania, am authorized by Hartford Steam Boiler Inspr. to perform the inspection required in the Owner's Report during the dates 12/1/89 to 2/28/90 and issue this to the owner of my knowledge and belief. The Owner has submitted satisfactory and true corrective measures contained in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate under the penalty for its contents being any violation, condition of license, or condition of the certificate and corrective measures contained in the Owner's Report, the undersigned certifies that the contents are correct and that the undersigned is not aware of any pending report of deficiency or violation of a rule or any rule during term of inspection with the equipment.

Signed W. F. Sullivan Date Feb-28-90  
W. F. Sullivan PB 2143 NB 7592

# 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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Pecon Bottom Atomic Power Station Unit 3  
Certs. PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P.C. No. 100 No. 10
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III, 80, Edition, Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes or No
Small Bore C-RHR				FSK-M-3033 Sheet 99			
2" 150# F.F. Flange	COFFER	AJLE	N/A	pc.#15	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" 90 Deg. Ell	LADISH	BB7S	N/A	pc.#11	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" x 3/4" Red Tee	BONNEY FORGE	W358	N/A	pc.#19	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#7	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#21	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#8	N/A	Replaced	No
2" 150# F.F. Flange	COFFER	AJLE	N/A	pc.#16	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2" 90° Ell	LADISH	ZWKEI	N/A	pc.#12	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_



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

As Required by the Provisions of the ASME Code Section XI

DATE February 15 1990

Shewn 2 at 3

Unit 2  
Mod 2106

Phys. Electric Nuclear Engineering  
Dept.

al System No. 33

1 - scene 1/1 - 2000 Case

Winter 191 Accession N-208 Case Case

here

[illegible]

## FORM NIS-2 (Back)

1. Tests Conducted

HYDROSTATIC



PNEUMATIC



NOMINAL OPERATING PRESSURE



Other



Pressure

100

PS

Test Temp.

Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

*R. Simpson*

Lead Mech. Installation Eng.

Date

2/15

90

*Robert H. Hoffer* 2/15/90

## 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 Province of Pennsylvania and employed by Hessford Steam Boilers, Inc. have inspected

the conditions described in the Owner's Report during the dates 12/1/89 to 2/28/90 and deem that to the best of my knowledge and belief, the Owner has corrected deficiencies and taken corrective measures described in the 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 the 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.

*H. F. Hoffer*

Commissioner

PA 2163 NB 7512

Date

Feb 28

19

90

# 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 15, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 2 of 2
2. Plant Peach Bottom Atomic Power Station Unit 3  
Delco, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction # 2, Vol. 100, Rev. 04
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III, 80 Section Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Unlabeled for Addenda or Addenda (1) 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Requiring or Requiring and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification DWG. FSK M-3033 Sht. 100	Year Built	Required, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore C-RHR							
1" Sch 80 Pipe	Quanex	282922	N/A	pc #2	N/A	Replaced	No
1" Union	Ladish	CH-51 CH-62 CH-48	N/A	pc #25	N/A	Replaced	No
			N/A	pc #25	N/A	Replaced	No
1" Sch 80 Pipe	Quanex	282922	N/A	pc #3	N/A	Replaced	No
1" 90° Ell	Bonney Forge	DB34	N/A	pc #14	N/A	Replaced	No
1" Sch 80 Pipe	Quanex	282922	N/A	pc #4	N/A	Replaced	No
1-1/2" x 1" Red. Insert	Capital Manuftrng.	844	N/A	pc #22	N/A	Replaced	No
1-1/1" Tee	Bonney Forge	Z360	N/A	pc #20	N/A	Replaced	No
1-1/2" Sch 80 Pipe	Quanex	295192	N/A	pc #1	N/A	Replaced	No
1-1/3"x1" Red. Cplg.	Bonney Forge	CV79	N/A	pc #24	N/A	Replaced	No
1-1/2" x 1" Red. Insert	Capital Manuftrng.	844	N/A	pc #23	N/A	Replaced	No
1" Sch 80 Pipe	Quanex	282922	N/A	pc #5	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



**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 15, 1990  
1201 Market St. Philadelphia, PA 19101 Sheet 2 of 3

2. Plant Pecon Stream Atomic Power Station Unit 1  
State, PA 17114 Mod 2106  
Phil. Electric Nuclear Engineering  
Dept.

3. Work Performed by Philadelphia Electric Company  
1201 Market St. Philadelphia, PA 19101

4. Description of System Emergency Service Water, Mechanical System No. 77

5. (a) Applicable Construction Code ASME III is 80 Edition Winter 1981 Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80 Winter 1981 Addenda N-208 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 100	Year Built	Required, Repaired, or Replacement	ASME Code Stamped (Yes or No)
Small Bore C-RHR							
1" X 3/4" Red. Tee	BONNEY FORGE	W879	N/A	pc.#21	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#12	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#28	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#13	N/A	Replaced	No
1" Sch. 80 Pipe	QUANEX	282922	N/A	pc.#6	N/A	Replaced	No
1" 90 Deg. Ell.	BONNEY FORGE	DB34	N/A	pc.#16	N/A	Replaced	No
1" Sch. 80 Pipe	QUANEX	282922	N/A	pc.#8	N/A	Replaced	No
1" Coupling	LADISH	CG15	N/A	pc.#26	N/A	Replaced	No
1" Sch. 80 Pipe	QUANEX	282922	N/A	pc.#9	N/A	Replaced	No
1" Plug Valve	XOMOX	SPR352K	N/A	pc.#27	N/A	Replaced	No
1" Sch. 80 Pipe	QUANEX	282922	N/A	pc.#10	N/A	Replaced	No
1/2" Plate	LUKENS STEEL	U4424	N/A	H3	N/A	Replaced	No

FORM NIS-2 (Back)

1. **Test Conditions**      **Pressure** ☐      **Temperature** ☐      **Working Condition Pressure** ☐  
**Other** ☐ \_\_\_\_\_  
**Pressure** 100      **Test Temp.** Ambient

2. **Remarks** N/A  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the equipment fitted in the report and covered by the Redesign conforms to the rules of the ASME Code, Section XI.

**Type Code Symbol Stamp** None  
**Signature of Authorized Person** None      **Expiration Date** N/A  
**Sign** Robert Hoffman      **Date** 2/15/90      **Page** 90  
2/15/90

CERTIFICATE OF INSERVICE INSPECTION

The undersigned, holding a valid certification issued by the Pressure Code of Ohio and Pressure Vessel Inspector and the State of Pennsylvania and employed by Hartford Steam Boiler Insp and Inc.  
The certification expires on the Owner's Record Book on date 12/1/88 and 2/25/90 and will run to the end of my knowledge and belief. The Owner has satisfied requirements and taken corrective measures outlined in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate under the penalty for its contents being any violation, omission or breach, concerning the requirements and corrective measures outlined in the Owner's Record Book, I warrant the undersigned will be held in any manner for any defective work or defective equipment or a lack of any and every work or equipment with the equipment.

[Signature]      PA 2103 N37592  
**Date** Feb 13      **Page** 90

**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 9, 1980  
1201 Market St. Philadelphia, PA 19101 Shop 1 of 2  
 2. Plant Recon Steam Atomic Power Station Unit 3  
Cont. #A 17314 Phila. Electric NED, Mod 2106  
 3. Work performed by Philadelphia Electric Company  
1201 Market St., Philadelphia, PA 19101  
 4. Description of System Emergency Service Water, Mechanical System No. 12  
 5. (a) Applicable Code or Codes ASME III-18 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Record or Assessment is 80, Winter '81 Addenda N-208 Code Case  
 6. Identification of Components Affected or Assessed and Assessment Comments

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Certification ISO-3-33-32	Year Built	Required, Reduced, or Replacement	ASME Code Stamped Yes or No
Large Bore D-RHR							
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001	N/A	Replaced	No
3" W. N. Flange	W.F.I.	868PNT	N/A	Spool 004	N/A	Replaced	No
5" W. N. Flange	W.F.I.	868PNT	N/A	Spool 003	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 002M	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 002A	N/A	Replaced	No
3/8" Tube Steel	TUBE STEEL OF AMERICA	Y87540	N/A	H1	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



[illegible]

— ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED —

## DISCUSSION

INTERNET CLOSING PROTOCOL

**Summary**

**Keywords:** *workplace spirituality, organizational commitment, organizational trust, organizational identification, organizational citizenship behaviors*

50

Test Term.

LANDS

1. **Letter 1010**

I hereby certify that the statements made in the report are correct and true.

\*ಎಲ್ಲಾ ವಿಷಯಗಳಿಗೂ ಸ್ವತಂತ್ರವಾಗಿ ನಿರ್ಣಯಿಸುತ್ತೇವೆ

1999

### CONTINUOUS OF APPLICATION NO.

222

LEONARD S. COHEN

W/A

Sandoz

Richardson

REC'D - 10/10/1964

2000

2/12

90

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province  
of Pennsylvania and employed by Hartford Steam Boiler Ins. &  
Ins. Co.

The certifications described in the Owner's Report during the dates 12/1/86 to 2/14/90 are true and are one of my statements and deeds. The Owner has certified employees and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASHRAE Code, Section 4.1.

By signing this certificate neither the undersigned nor his attorney makes any warranty, expression of opinion, concerning the correctness and  
correctness of the information contained in the Owner's Affidavit, Furthermore, neither the undersigned nor his attorney shall be liable in any manner for any  
damages injury or property damage or a loss of any kind arising out of or connected with this statement.

*[Handwritten signature]*

2

Pe 2143 NB 7342

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Feb. 12

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90

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

Date February 9, 1980

Sheet 1 of 2

Jan 3

Phila. Electric NED, Mod 2106

Journal of Cellular Biochemistry 77:1–10 (2000)

Phila. Electric NED, Mod 2106

Phila. Electric NED, Mod 2106

Phila. Electric NED, Mod 2106

Phila. Electric NED, Mod 2106

Phila. Electric NED, Mod 2106

Phila. Electric NED, Mod 2106

Phila. Electric NED, Mod 2106

## FORM NIS-2 (Back)

2. Tests Conducted: HYDROSTATIC ☒ Pneumatic ☐ Normal Operating Pressure ☐  
 Other ☐ \_\_\_\_\_  
 Pressure 102 psi Test Temp. Ambient °F

3. Remarks N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None  
 Certificate of Authorization No. None Expiration Date N/A  
 Signed R. Simpson, Lead Mech. Installation Engr. Date 4/12/90  
Robert Simpson

## 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 Province of Pennsylvania and employed by Hartford Steam Boiler Inspr. have inspected the components described in the Owner's Report during the dates 12/1/89 to 2/12/90 and deem that to the best of my knowledge and belief, the Owner has corrected examinations and taken corrective measures described in the 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 the 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 2163 NB 7592  
 Date Feb. 12 19 90



# 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 9, 1990  
2201 Market St., Philadelphia, PA 19101 Sheet 2 of 4  
 2. Plant Peapack Bottom Atomic Power Station Unit 3  
Cerra, PA 17314 Phila. Electric NED, Mod 2106  
 3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 23  
 5. (a) Applicable Construction Code ASME III, § 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Records or Assessments is 80, Winter '81 Addenda N-308 Code Case  
 6. Identification of Components Assessed or Assessed and Reassessed Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Required, Replaced, or Replacement	ASME Code Stamped: Yes or No
Large Bore D-RHR				ISO-3-33-33 Sheet 2			
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 005A	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 005B	N/A	Replaced	No
3" Sch. 40 Pipe	MCJUNKIN CORP.	T68030	N/A	Spool 27	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 006	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 007	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 008	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 009	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 022 Original	N/A	Replaced	No
				Spool 10			
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 010A	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 011A	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 011B	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

# 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  
2201 Market St. Philadelphia, PA 19101

Date February 9, 1990  
 Sheet 2 of 4

2. Plant Reagan-Bethesda Atomic Power Station  
Calverton, MD 20740

Unit 3  
Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.

3. Work Performed by Philadelphia Electric Company  
2201 Market St. Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III '80 Edition Winter '81 Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification ISO-3-33-33 Sheet 2	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Large Bore D-RHR							
3" Sch. 40 Pipe	MCJUNKIN CORP	T68030	N/A	Spool 020	N/A	Replaced	No
3" Flange	W.F.I.	868PNT	N/A	Spool 018	N/A	Replaced	No
3" Flange	W.F.I.	868PNT	N/A	Spool 019	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 012A	N/A	Replaced	No
3" Ø Pipe	UNITED STATES STEEL	L42427	N/A	Spool 028	N/A	Replaced	No
3/4" Cplg.	CAPITOL MANUFACTURING	039A	N/A	Spool 029	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 014	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 015	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 013A	N/A	Replaced	No
3" Ø Pipe	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 21 Original	N/A	Replaced	No
				Spool 5			
3" Ø Pipe	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 30 Original	N/A	Replaced	No
				Spool 5			
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 016	N/A	Replaced	No
3" Ø Pipe	UNITED STATES STEEL	L42427	N/A	Spool 023	N/A	Replaced	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 February 9, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 3 of 4

2. Plant Reagan-Bottom Atomic Power Station Unit 3  
Calts. PA 17014 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.

3. Work Performed by Philadelphia Electric Company  
2201 Market St. Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 22

5. (a) Applicable Construction Code ASME III '80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80 Winter '81 Addenda N-908 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	Nations Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Large Bore D-RHR				130-3-53-33 Sheet 2			
3" Flange	W.F.I.	868PNT	N/A	Spool 024	N/A	Replaced	No
3" Flange	W.F.I.	868PNT	N/A	Spool 025	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 017A	N/A	Replaced	No
Fabricated spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 17B	N/A	Replaced	No
3" Ø Pipe	MCJUNKIN CORP.	T68030	N/A	Spool 026	N/A	Replaced	No
Tube Steel	BETHLEHEM STEEL	412H4372	N/A	H242L1 L2	N/A	Replaced	No
Tube Steel	TUBE STEEL OF AMERICA	Y87540	N/A	H238	N/A	Replaced	No
Tube Steel	TUBE STEEL OF AMERICA	Y87540	N/A	H1	N/A	Replaced	No
1/2" Plate	BETHLEHEM STEEL CORP.	401H0563	N/A	HS169	N/A	Replaced	No
3" Plug Valve	XOMOX	SP-R352K	N/A	508G	N/A	Replaced	No
3" Plug Valve	XOMOX	SP-R352K	N/A	508H	N/A	Replaced	NO



# FORM NIS-2 (Back)

1. Tests Conducted: ☒ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
 Test Pressure 100 PS ☐ Test Temp. Ambient °F

2. Remarks N/A

## CERTIFICATE OF COMPLIANCE

We hereby state the statement made in the report of the test and the replacement conforms to the rules of the ASME Code, Section XI.

Type Code Current Status None

Certificate of Authorization No. None Expiration Date N/A

Serial Champion Tech. Installation Inst. Date 2/12/90  
Robert J. Hoff 2/12/90

## 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 Hartford Steam Boiler Inspr. Co.

the examinations conducted in the Owner's Report during the dates 12/1/88 to 2/12/90 and find that to the best of my knowledge and belief, the Owner has corrected examinations and taken corrective measures described in the 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 the 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 2163 NB 7592  
 Date Feb 12 19 90

# 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 9, 1990  
1201 Market St. Philadelphia, PA 19101 Shop 2 of 2  
 2. Plant Peach Bottom Atomic Power Station Unit 3  
Contra, PA 17314 Phila. Electric NED, Mod 2106  
 3. Work Performed by Philadelphia Electric Company  
1201 Market St., Philadelphia, PA 19101  
 4. Description of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Corrosion Code ASME III - 80 Edition Winter '81 Addenda N/A Case Case  
 (b) Applicable Edition of Section XI Utilized for Records or Administrative 80, Winter '81 Addenda N-108 Case Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Certification	Year Built	Required, Replaced, or Replacement	ASME Code Section, Year or No.
Large Bore G. BBR				ISO-3-33-37			
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 19 original Spool 19 on ISO-3-35-4 Sheet 2	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001A	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001B	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001C	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 002	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 003	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 004	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 005	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 006	N/A	Replaced	No
1/2" Plate	BETHLEHEM STEEL	401H0563	N/A	HS168	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

## FORM NIS-2 (Back)

1. Test Conclusion:

Excessive ☐Insufficient ☐Normal Operating Pressure ☐Other ☐

Pressure

100

ps

Test Temp.

Ambient

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

*Robert H. Haffner*  
2/12/90

Mechanical Installation Date

Date

2/12/90

## 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 at Pennsylvania, was employed by Hartford Steam Boiler Tank & Insurance Co.

The examination conducted in the Owner's Report during the dates 12/1/90 to 2/12/90 and was first in the case of my inspection and second. The Owner has submitted satisfactory and taken of record measures consistent in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate under the signature for the undersigned, I am certifying that the undersigned and the undersigned have conducted the examination and taken of record measures consistent in the Owner's Report. Furthermore, neither the undersigned nor the undersigned shall be held in any manner for any personal injury or property damage or a loss of any kind arising from or connected with the inspection.

*W. H. Haffner*

Commission

PA 2163 NB 7592

Date

Feb 12

1990



# 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 9, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Peach Bottom Atomic Power Station Unit 2  
Delco, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction P.E. No. 120 No. 12
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-80 Edition Winter '81 Addenda N/A Code Case
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Reassessment Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes or No
Small Bore D-RHR				FSK-M-3033 Sheet 4			
1" Sch. 80 Pipe	QUANEX	282922	N/A	pc.#1	N/A	Replaced	No
1" 90 Deg. Ell.	BONNEY FORGE	2400A	N/A	pc.#13	N/A	Replaced	No
1" Sch. 80 Pipe	QUANEX	282922	N/A	pc.#3	N/A	Replaced	No
1" 90 Deg. Ell.	BONNEY FORGE	DB34	N/A	pc.#15	N/A	Replaced	No
1" Sch. 80 Pipe	QUANEX	282922	N/A	pc.#5	N/A	Replaced	No
1" Plug Valve	XOMOX	R353	N/A	pc.#21	N/A	Replaced	No
1" Sch. 80 Pipe	QUANEX	282922	N/A	pc.#6	N/A	Replaced	No
1" x 3/4" Red. Tee	BONNEY FORGE	W609	N/A	pc.#19	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#10	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#22	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#11	N/A	Replaced	No
1" Sch. 80 Pipe	QUANEX	282922	N/A	pc.#7	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

As Required by the Provisions of the ASME Code Section XI

### 5. Identification of Components Repaired or Replaced and Replacement Components

## FORM NIS-2 (Back)

## 1. Tests Conducted:

HYDROSTATIC



INSURANCE



Nominal Operating Pressure



Other



Pressure

102

PS

Test Temp.

Ambient

°F

## 2. Remarks

N/A

-OWNER'S SIGNATURE AND PRESSURE IS ON COVER

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NoneCertificate of Authorization No. NoneExpiration Date N/A

Signed

R. Simpson  
Robert Simpson  
2/9/90

Lead Mech. Installer

Date

2/12 '90

## 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 Province of Pennsylvania and employed by Hartford Steam Boiler Insp. have inspected the components described in the Owner's Report during the dates 12/1/88 to 2/12/90 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 the 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.

H. Simpson  
Inspector's Signature

Commissioner

PA 2143 NB 7592

Date

Feb. 12

19

90



# 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 9, 1990  
2201 Market St., Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Reagan-Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106
3. Work performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III: 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 5	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore D-RHR							
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" Plug Valve	XOMOX	R353K	N/A	pc.#24	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" x 3/4" Red. Tee	BONNEY FORGE	W727	N/A	pc.#21	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#8	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#25	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#10	N/A	Replaced	No
3/4" 90 Deg. Ell.	BONNEY FORGE	Z257	N/A	pc.#16	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#12	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

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  
2201 Market St. Philadelphia, PA 19101

DATE February 9 1990

Sheet 2 of 3

1. PART Seach Bottom Atomic Power Station  
DATE: 04-17-14

Unn 2

Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.

2. Work Performed by Philadelphia Electric Company  
2301 Market St. Philadelphia, PA. 19101

4. Identification of System: Emergency Service Water, Mechanical System No. 33

3. (a) Applicable Construction Code ASME 1980 Edition, Winter '81 Agency: N/A Code Case: \_\_\_\_\_

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 80, Winter 1981 Agency: N-308 Case Case

### **5. Identification of Components Required or Associated and Replacement Components**

[illegible]

## FORM NIS-2 (Back)

1. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ \_\_\_\_\_  
 Pressure 102 ps Test Temp. Ambient °F

2. Remarks N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## 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.

Type Code Symbol Stamp None

Certificate of Authorization No. None Expiration Date N/A

Signed Robert H. Simpson Lead Mech. Installation Engr. Date 2/12 19 90  
Robert H. Simpson or Owner's Representative  
2/4/90

## 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 Province of Pennsylvania and employed by Hartford Steam Boiler Insp. + have inspected the components described in this Owner's Report during the period 12/1/88 to 2/12/90 and since 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.

Robert H. Simpson Commission PA 21163 NB 7592  
Robert H. Simpson or Owner's Representative  
 Date Feb. 12 19 90



As Required by the Provisions of the ASME Code Section XI

0- February 9 1890

Sheet 1 of 3

Linn 3

Phila. Electric NED, Mod 2106

2. Work performed by Philadelphia Electric Company

2301 Market St., Philadelphia, PA 19101

4. IDENTIFICATION OF SYSTEM: Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III's 80 Edition Winter '81 Addenda N/A Code Table

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 80, Winter '81 Agency: N-308 Case: Case

### 5. Identification of Components Required or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 6	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore D-RHR							
2" Plug Valve	XOMOX	R353K	N/A	pc. #25	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc. #1	N/A	Replaced	No
2" x 3/4" Red. Tee	BONNEY FORGE	W358	N/A	pc. #22	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc. #7	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc. #26	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc. #9	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc. #2	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc. #3	N/A	Replaced	No
2" 90 Deg. Ell.	LADISH	BB7S	N/A	pc. #14	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc. #4	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc. #30	N/A	Replaced	No
2" x 3/4" Red. Tee	BONNEY FORGE	W358	N/A	pc. #23	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

# 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 9, 1991  
2201 Market St., Philadelphia, PA 19101 Sheet 2 of 3
2. Plant Pecon Bottom Atomic Power Station Unit 3  
Calta, PA 17314 Mod 2106  
Phila. Electric Nuclear Engineering Dept.  
Pecon Bottom Station, P.O. Box 100, Peconic, NY
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 32
5. (a) Applicable Construction Code ASME III 1980 Edition, Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Required or Replaced and Replacement Components

Name of Component Small Bore D-RHR	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 6	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#31	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No
2" Tee	LADISH	L980	N/A	pc.#19	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#6	N/A	Replaced	No
2" F. F. Flange	COFFER	AJLE	N/A	pc.#20	N/A	Replaced	No
2" x 3/4" Red. Tee	LADISH	16C	N/A	pc.#24	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#12	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#27	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#13	N/A	Replaced	No
2" Flange	COFFER	AIJV	N/A	pc.#28	N/A	Replaced	No
2" Flange	COFFER	AIJV	N/A	pc.#29	N/A	Replaced	No
3/4" Flange	COFFER	ABSF	N/A	pc.#32	N/A	Replaced	No
X 3/4" Flange	COFFER	ABSF	N/A	pc.#33	N/A	Replaced	No

## FORM NIS-2 (Back)

## 1. Tests Conducted:

Hydrostatic



Pneumatic



Nominal Operating Pressure



Other



Pressure 102 psi

Test Temp. Ambient °F

## 2. Remarks

N/A

## 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.

Type Code Symbol Stamp NoneCertificate of Authorization No. NoneExpiration Date N/A

Signed Robert H. Thompson Lead Mech. Installation Engr. Date 2/12 19 90

## 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 Hartford Steam Boiler Insp and Ins. Co. have inspected the components described in this Owner's Report during the period 12/1/88 to 2/12/90 and deem 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.

Robert H. Thompson Commission PA 2143 NB 7592  
 Date Feb. 12 19 90



# 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 9, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 2
2. Plant Reagan System Atomic Power Station Unit 2  
Contra. PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P. 2, No. 108, No. 110
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Description of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III's 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Requiring or Requiring and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Required, Replaced, or Replacement	ASME Code Stamped: Yes or No
Small Bore D-RHR				FSK-M-3033 Sheet 13			
1" Sch. 80 pipe	QUANEX	282922	N/A	PC #1	N/A	Replaced	No
1" Sch. 80 pipe	QUANEX	282922	N/A	PC #2	N/A	Replaced	No
1" Sch. 80 pipe	QUANEX	282922	N/A	PC #3	N/A	Replaced	No
1" Sch. 80 pipe	QUANEX	282922	N/A	PC #4	N/A	Replaced	No
1" plug valve	XOMOX	R353	N/A	PC #7	N/A	Replaced	No
1" plug valve	XOMOX	R353	N/A	PC #8	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

## FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic



Pneumatic



Nominal Operating Pressure



Other



Pressure 102 ps

Test Temp. Ambient °F

2. Remarks

N/A

## 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.

Type Code Symbol Stamp NoneCertificate of Authorization No. NoneExpiration Date N/A

Signed

R. Simpson  
Robert H. Simpson  
2/18/90

Lead Mech. Installation Engr.

Date 2/12 '90

## 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 Hackensack Steam Boiler Inc. have inspected the components described in the Owner's Report during the period 12/1/88 to 2/13/90 and seen that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 the 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

Commission

PA 2463 NB 7592Date Feb -13 '90

# 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 9, 1993  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Peach Bottom Atomic Power Station Unit 2  
Certs. PA 17314 Phila. Electric NED, Mod 2106  
Legal Description: P.D. No. 116 P.D. 112
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-1980 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore D-RHR				FSK-M-3033 Sheet 91			
1" Sch. 80 pipe	QUANEX	282922	N/A	PC #2	N/A	Replaced	No
1" Union	BONNEY FORGE	DC35 DB97, CU38	N/A	PC #30	N/A	Replaced	No
1" Sch. 80 pipe	QUANEX	282922	N/A	PC #3	N/A	Replaced	No
1" 90 deg. ell	BONNEY FORGE	DB34	N/A	PC #18	N/A	Replaced	No
1" Sch. 80 pipe	QUANEX	282922	N/A	PC #4	N/A	Replaced	No
1"x3/4" Red Tee	BONNEY FORGE	W609	N/A	PC #32	N/A	Replaced	No
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #16	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	PC #35	N/A	Replaced	No
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #17	N/A	Replaced	No
1" Sch. 80 pipe	QUANEX	282922	N/A	PC #5	N/A	Replaced	No
1 1/2"x1" Red Insert	CAPITOL MANUF.	844	N/A	PC #33	N/A	Replaced	No
1 1/2"x1" Red Tee	BONNEY FORGE	P937	N/A	PC #31	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



# 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 9, 1990  
2201 Market St., Philadelphia, PA 19101 Sheet 2 of 3

2. Plant Reagan-Bethesda Atomic Power Station Unit 3  
Calitz, PA 17314 Mod 2106  
Phila. Electric Nuclear Engineering  
 Dept. Engineering

3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 32

5. (a) Applicable Construction Code ASME III '80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair or Replacement is 80, Winter '81 Addenda N-308 Code Case

6. Identification of Components Required or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore D-RHR				FSK-M-3033 Sheet 91			
11/2" Sch. 80 pipe	QUANEX	295192	N/A	PC #1	N/A	Replaced	No
11/2"x1" Red. Cplg.	BONNEY FORGE	CV79	N/A	PC #28	N/A	Replaced	No
1" Sch. 80 pipe	QUANEX	282922	N/A	PC #6	N/A	Replaced	No
1" 90 deg. ell	BONNEY FORGE	L992	N/A	PC #21	N/A	Replaced	No
1" Sch. 80 pipe	QUANEX	282922	N/A	PC #9	N/A	Replaced	No
1" 90 deg. ell	BONNEY FORGE	Z545	N/A	PC #22	N/A	Replaced	No
1" 90 deg. ell	BONNEY FORGE	L992	N/A	PC #23	N/A	Replaced	No
1" Sch. 80 pipe	QUANEX	282922	N/A	PC #10	N/A	Replaced	No
1" Sch. 80 pipe	QUANEX	282922	N/A	PC #11	N/A	Replaced	No
1" 90 deg. ell	BONNEY FORGE	L992	N/A	PC #25	N/A	Replaced	No
1" Sch. 80 pipe	QUANEX	282922	N/A	PC #13	N/A	Replaced	No
1" plug valve	XOMOX	SP-R352K	N/A	PC #34	N/A	Replaced	No
1" Sch. 80 pipe	QUANEX	282922	N/A	PC #15	N/A	Replaced	No
3/4" plate	BETHLEHEM STEEL	411K4831	N/A	H3	N/A	Replaced	No

## FORM NIS-2 (Back)

## 1. Tests Conducted:

Hydrostatic



Pneumatic



Nominal Operating Pressure



Other



Pressure 102

ps

Test Temp.

Ambient

°F

## 2. Remarks

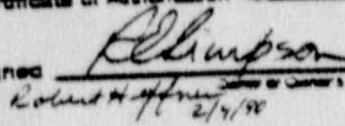
N/A

## 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

Type Code Symbol Stamp NoneCertificate of Authorization No. NoneExpiration Date N/A

Signed

  
 Robert H. Hoffman  
 2/4/90

Lead Mech. Installation Engr.

Date

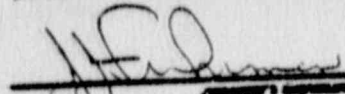
2/12

19 90

## 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 Province of Pennsylvania and employed by Hartford Steam Boiler Tank and Ins. Co. have inspected the components described in the Owner's Report during the period 12/1/88 to 2/12/90 and seen that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 the 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

Commission

PA 2163 NB 7592

Date

Feb. 12

19

90

# 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 9, 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 2
2. Plant Pecon Bottom Atomic Power Station Unit 3  
Certs. PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P.E. No. 100 No. 14
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-1 80 Edition, Winter '81 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda, N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore D-RHR				FSK-M-3033 Sheet 92			
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #1	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	PC #9	N/A	Replaced	No
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #2	N/A	Replaced	No
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #3	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	PC #10	N/A	Replaced	No
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #4	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



## FORM NIS-2 (Back)

## 3. Tests Conducted:

HYDROSTATIC



PNEUMATIC



Nominal Operating Pressure



Other



Pressure 102

ps

Test Temp.

Ambient

°F

## 5. Remarks

N/A

## 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

Type Code Symbol Stamp NoneCertificate of Authorization No. NoneExpiration Date N/A

Signed

R. Thompson  
Robert Thompson  
2/11/90

Lead Mech. Installation Engr.

Date

2/12 19 90

## 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 Province  
 of Pennsylvania and employed by Hartford Steam Boiler Insp.  
Ins. Co. have inspected  
 the components described in this Owner's Report during the period 12/1/88 to 2/12/90 and seen

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

Commission PA 2163 NB 7592

Date Feb. 12 19 90

**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 5, 1980  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 4


2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
Local Organization, P. O. Box 100, NED, PA

3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III is 80 Edition Winter '81 Addenda N/A Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case \_\_\_\_\_


6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 20 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore A-Core Spray							
3/4" Pipe	QUANEX	268672	N/A	pc.#1	N/A	Replaced	No
3/4" 90 deg. Ell.	BONNEY FORGE	P642	N/A	pc.#12	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#2	N/A	Replaced	No
3/4" RF Flange	COFFER	AMWQ	N/A	pc.#18	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#3	N/A	Replaced	No
3/4" 90 deg. Ell.	BONNEY FORGE	P642	N/A	pc.#13	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#4	N/A	Replaced	No
3/4" RF Flange	COFFER	AJGZ	N/A	pc.#20	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#5	N/A	Replaced	No
3/4" 45 deg. Ell.	BONNEY FORGE	Z419B	N/A	pc.#27	N/A	Replaced	No
3/4" Pipe	QUANEX	139701	N/A	pc.#31	N/A	Replaced	No
3/4" 45 deg. Ell.	BONNEY FORGE	Z573A	N/A	pc.#28	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

**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 5, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 2 of 4  
 2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Mod 2106  
Phila. Electric Nuclear Engineering  
 3. Work Performed by Philadelphia Electric Company Dept.   
2201 Market St. Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Construction Code ASME III 1980 Edition Winter '81 Addenda N/A Code Case   
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case   
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 20 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore A-Core Spray							
3/4" Pipe	QUANEX	268672	N/A	pc.#32	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353K	N/A	pc.#26	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#7	N/A	Replaced	No
3/4" Tee	BONNEY FORGE	Z387A	N/A	pc.#17	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#8	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#25	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#33	N/A	Replaced	No
3/4" 45 deg. Ell.	BONNEY FORGE	Z419B	N/A	pc.#29	N/A	Replaced	No
3/4" Pipe	QUANEX	139701	N/A	pc.#34	N/A	Replaced	No
3/4" 45 deg. Ell.	BONNEY FORGE	Z419B	N/A	pc.#30	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#10	N/A	Replaced	No
3/4" 90 deg. Ell.	BONNEY FORGE	P642	N/A	pc.#15	N/A	Replaced	No
3/4 x 1/2 red.	BONNEY FORGE	DA95	N/A	pc.#23	N/A	Replaced	No
1/2" Pipe	QUANEX	139701	N/A	pc.#11	N/A	Replaced	No
1/2" Plate	BETHLEHEM STEEL	401H0563	N/A	pc.#H6	N/A	Replaced	No



1. Owner Philadelphia Electric Company  
2301 Market St. Philadelphia, PA 19101

2. Plant Peach Bottom Atomic Power Station  
Delta, PA 17314

3. Work Performed by Philadelphia Electric Company  
2301 Market St. Philadelphia, PA, 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III 19 80 Edition Winter '81 Addenda N/A Code Case \_\_\_\_\_

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80, Winter '81 Addenda N-308 Code Case \_\_\_\_\_

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

Date February 5, 1990

Sheet 3 of 4

Unit 3

Mod 2106

Phila. Electric Nuclear Engineering  
Dept.

[illegible]

FORM NIS-2 (Back)

3. Tests Conducted:

Hydrostatic



Proof test



Nominal Operating Pressure



Other



Pressure 102

ps

Test Temp.

Ambient

°F

4. Remarks

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.

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Signed

*R. Simpson*  
2/15/90

Lead Mech. Installation Engr.

Date

2/5

19 90

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 Hotchkiss Steam Boilers Inc. + Ins. Co. have inspected

the components described in the Owner's Report during the dates 12/1/87 to 2/5/90 and state that to the best of my knowledge and belief, the Owner has permitted examinations and taken corrective measures described in the 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.

*H. E. Simpson*  
Inspector's Signature

Commission

P. 2163 NB 7542

Date


Feb 6

19 90

# 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 3, 1980  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction P.D. No. 100 No. 10
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III, 80 Edition, Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 28 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore A-Core Spray							
2" Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" R.F. Flange	COFFER	AJLE	N/A	pc.#15	N/A	Replaced	No
2" R.F. Flange	COFFER	AJLE	N/A	pc.#16	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" R.F. Flange	COFFER	AJLE	N/A	pc.#17	N/A	Replaced	No
2" R.F. Flange	COFFER	AJLE	N/A	pc.#18	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2 x 3/4" red tee.	BONNEY FORGE	W315	N/A	pc.#19	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2" Tee	LADISH	L980	N/A	pc.#13	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#6	N/A	Replaced	No
2" Plug Valve	XOMOX	R353K	N/A	pc.#23	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



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  
2001 Market St., Philadelphia, PA 19101

Date February 5, 1990  
Sheet 2 of 3

2. Plant Peach Bottom Atomic Power Station  
Delta 24-7314

WAR 3  
Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.

2. Work Performed by Philadelphia Electric Company  
2301 Market St. Philadelphia, PA. 19101

4. Identification of System Emergency Service Water, Mechanical System No. 3?

5. (a) Applicable Construction Code ASME III 19 80 Edition Winter '81 Agency N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case

#### 5. Identification of Components Required or Replaced and Replacement Components

[illegible]

FORM NIS-2 (Back)

2. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ \_\_\_\_\_  
 Pressure 102 psi Test Temp. Ambient °F

3. Remarks N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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.

Type Code Symbol Stamp None  
 Certificate of Authorization No. None Expiration Date N/A  
 Signed R. L. Simpson Lead Mech. Installation Engr. Date 2/5 19 90  
R. L. Simpson 2/5/90  
Signature of Owner's Representative

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 Hartford Steam Boiler Insp. have inspected Ins. 10 the components described in this Owner's Report during the period 12/1/87 to 2/6/90 and deem 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 2163 NB 7592  
Inspector's Signature ASME Code, Sec. XI, Rules and Regulations  
 Date 2/6 19 90

# 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 5, 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P. 2, No. 100 No. 112
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III 1980 Edition Winter '81 Agency N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Agency N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 29 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore A-Core Spray							
2" 90 deg. Ell	LADISH	BB7S	N/A	pc.#15	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2 x 3/4 red. tee	BONNEY FORGE	W358	N/A	pc.#19	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" 90 deg. Ell.	BONNEY FORGE	2749	N/A	pc.#17	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2" Plug Valve	XOMOX	R353K	N/A	pc.#27	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#21	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#9	N/A	Replaced	No
2" Cap	BONNEY FORGE	DD18	N/A	pc.#23	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#6	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



**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 5, 1990  
2301 Market St., Philadelphia, PA 19101 Sheet 2 of 3


2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Mod 2106  
Phila. Electric Nuclear Engineering  
 Dept. Research Organization, P.O. No. 100 No. 66

3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA, 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III 19 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80, Winter '81 Addenda N-308 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 29 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore A-Core Spray							
2" Lateral	BONNEY FORGE	W797	N/A	pc.#22	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#10	N/A	Replaced	No
2" Cap	BONNEY FORGE	DD18	N/A	pc.#24	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#7	N/A	Replaced	No
2 x 3/4 red. tee	BONNEY FORGE	W727	N/A	pc.#20	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#11	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#28	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#8	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#33	N/A	Replaced	No
2" 45 deg. Ell.	BONNEY FORGE	Z582	N/A	pc.#32	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#31	N/A	Replaced	No
2" 45 deg. Ell.	BONNEY FORGE	Z582	N/A	pc.#30	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#13	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#29	N/A	Replaced	No

FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic



Pneumatic



Nominal Operating Pressure



Other



Pressure 102

psi

Test Temp.

Ambient

°F

2. Remarks

N/A

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.

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Signed

A. Thompson  
2/5/90  
Director of Owner's Operations, Inc.

Lead Mech. Installation Engr.

Date 2/5, 1990

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 Hartford Steam Boiler Corp. have inspected the components described in this Owner's Report during the period 12/1/87 to 2/6/90 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

Commission PA 2163 NB 7592

Date Feb 6, 1990

**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 27, 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 3  
 2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P.D. No. 100 NED, etc.  
 3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Construction Code ASME III, 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-303 Code Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 32 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore A-Core Spray							
2" Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" 45 deg. Ell.	BONNEY FORGE	2582	N/A	pc.#17	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" 45 deg. Ell.	BONNEY FORGE	2582	N/A	pc.#18	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2" x 3/4" red. tee	BONNEY FORGE	W727	N/A	pc.#21	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#12	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#29	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2" Plug Valve	XOMOX	R353K	N/A	pc.#28	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#22	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



**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 27, 1990  
2201 Market St., Philadelphia, PA 19101 Sheet 2 of 3


2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17014 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.

3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 32

5. (a) Applicable Construction Code ASME III 19 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. PSK-M-3033 Sheet 32 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore A-Core Spray							
2" Pipe	QUANEX	296112	N/A	pc.#6	N/A	Replaced	No
2" Cap	BONNEY FORGE	DD18	N/A	pc.#24	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#7	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#23	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#8	N/A	Replaced	No
2" Cap	BONNEY FORGE	DD18	N/A	pc.#25	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#9	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#32	N/A	Replaced	No
2" 45 deg. Ell.	BONNEY FORGE	Z582	N/A	pc.#31	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#14	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#30	N/A	Replaced	No
2" 90 deg. Ell.	BONNEY FORGE	Z616	N/A	pc.#20	N/A	Replaced	No

FORM NIS-2 (Back)

1. Tests Conducted

HYDROSTATIC



HEURISTIC



Nominal Operating Pressure



Other



Pressure 102

ps

Test Temp.

Ambient

°F

2. Remarks

N/A

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.

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Signed

R. Simpson Lead Mech. Installation Engr.  
R. Simpson 2/5/90

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 Province of Pennsylvania and employed by Hartford Steam Boilers Inc have inspected the components described in the Owner's Report during the dates 12/1/87 to 2/4/90 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 the 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.

R. Simpson  
Inspector's Signature

Commissioner

PA 2113 NB 7592

Date


Feb 6

19 90

# 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 5, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 2 of 3
2. Plant Peach Bottom Atomic Power Station Unit 3  
Certs. PA 17314 Phila. Electric NED, Mod 2106  
Under Construction # 2, Vol. 100, No. 114
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III:80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 65 	Year Built	Repaired, or Replacement	ASME Code Stamped (Yes or No)
Small Bore A-Core Spray							
1 1/2" Pipe	QUANEX	295192	N/A	pc.#1	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#2	N/A	Replaced	No
1 1/2 x 3/4 red tee	BONNEY FORGE	2481	N/A	pc.#24	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#11	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#26	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#9	N/A	Replaced	No
3/4" 90 deg. Ell.	BONNEY FORGE	2434A	N/A	pc.#17	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#8	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#3	N/A	Replaced	No
1 1/2" 90 deg. Ell.	BONNEY FORGE	2498	N/A	pc.#15	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#4	N/A	Replaced	No
1 1/2" RF Flange	LADISH	RR2R	N/A	pc.#29	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



**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  
2201 Market St. Philadelphia, PA 19101

Date February 5, 1990  
 Sheet 2 of 3

2. Plant Beach Bottom Atomic Power Station  
Cong. PA 17314

Unit 3  
 Mod 2106  
Phila. Electric Nuclear Engineering  
 Dept. Power Generation, P.O. Box 100, PA


3. Work Performed by Philadelphia Electric Company  
2201 Market St. Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III '80 Edition Winter '81 Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda U-308 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

1. Name of Component	2. Name of Manufacturer	3. Manufacturer's Serial No. or Heat No.	4. National Board No.	5. Other Identification Dwg. FSK-M-3033 Sheet 65 	6. Year Built	7. Repaired, Replaced, or Replacement	8. ASME Code Stamped (Yes or No)
Small Bore A-Core Spray							
1 1/2" RF Flange	LADISH	RR2R	N/A	pc.#30	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#28	N/A	Replaced	No
1 1/2" 90deg. Ell.	BONNEY FORGE	Z498	N/A	pc.#16	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#5	N/A	Replaced	No
1 1/2 x 3/4 red tee.	BONNEY FORGE	Z481	N/A	pc.#25	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#6	N/A	Replaced	No
1 1/2" 45deg. Ell.	CAPITOL PIPE	M843	N/A	pc.#21	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#7	N/A	Replaced	No
1 1/2" FF Flange	COFFER	AMWQ	N/A	pc.#22	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#13	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#27	N/A	Replaced	No

FORM NIS-2 (Back)

5. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ \_\_\_\_\_  
 Pressure 102 ps Test Temp. Ambient °F

6. Remarks N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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.

Type Code Symbol Stamp None  
 Certificate of Authorization No. None Expiration Date N/A  
 Signed R. Klingman Lead Mech. Installation Engr. Date 2/5 '90  
K. Klingman 2/5/90

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 Province of Pennsylvania and employed by Heetwood Steam Boiler Insp. Div. have inspected the components described in this Owner's Report during the period 12/1/89 to 2/4/90 and deem that to the best of my knowledge and belief, the Owner has permitted 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.

R. Klingman Commissioner PA 2113 NB 7592  
Inspector's Signature National Board, State, Federal, and International  
 Date Feb. 6 19 90

**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 5, 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 3  
 2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
 3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Construction Code ASME III, 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 66 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore A-Core Spray							
2" Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" RF Flange	COFFER	AJLE	N/A	pc.#11	N/A	Replaced	No
2" RF Flange	COFFER	AJLE	N/A	pc.#12	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" 90deg. Ell.	LADISH	BB7S	N/A	pc.#9	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2" RF Flange	COFFER	AJLE	N/A	pc.#14	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2" Plug Valve	XOMOX	R353K	N/A	pc.#18	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No
2 x 3/4 red. tee.	BONNEY FORGE	W727	N/A	pc.#15	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#6	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



As Required by the Provisions of the ASME Code Section XI

2201 Market St. Philadelphia, PA 19101

DATE February 5, 1940  
Sheet 2 of 3

Celta. #4 - 7314

Florida Electric Nuclear Engineering  
 (under OREGON/ENR, P & N, and N.E. Dept.)

2301 Market St. Philadelphia, PA. 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Additional Construction Cost ASME III '80 Edition Winter '81 Accession N/A Cost Code

(b) Applicable Edition of Section 30 Utilized for Repairs or Replacements is 80, Winter '81 Accord. N-308 2000 Class

### 5. Identification of Components Required or Rejected and Rejection Components

[illegible]

## FORM NIS-2 (Back)

## 1. Tests Conducted:

Hydrotested ☒Pneumatically ☐Nominal Operating Pressure ☐Other ☐Pressure 102

PSI

Test Temp.

Ambient

°F

## 2. Remarks

N/A

## 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.

Type Code Symbol Stamp NoneCertificate of Authorization No. NoneExpiration Date N/A

Signed

R. Shiner

Lead Mech. Installation Engr.

Date

2/519 90

## 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 Province of Pennsylvania and employed by Shelburne Steam Boiler Inspr. and have inspected the components described in the Owner's Report during the period 12/1/87 to 2/6/90 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 the 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.

R. Shiner

Inspector's Signature

Commission

PA 2143 NB 7592

Number, Class, Date, Pressure, and Description

Date

Feb 6


19

90

# 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 5, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P.D. No. 100-100-100
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-80 Edition Winter '81 Addenda N/A Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda U-208 Code Case \_\_\_\_\_
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 67 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore A-Core Spray							
3/4" Pipe	QUANEX	268672	N/A	pc.#8	N/A	Replaced	No
3/4" 90 deg. Ell.	BONNEY FORGE	P642	N/A	pc.#18	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#10	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#26	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#11	N/A	Replaced	No
1 1/2 x 3/4 red. tee	BONNEY FORGE	Z481	N/A	pc.#24	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#2	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#1	N/A	Replaced	No
1 1/2" Pipe	QUANEX	295192	N/A	pc.#3	N/A	Replaced	No
1 1/2" RF Flange	LADISH	RR2R	N/A	pc.#30	N/A	Replaced	No
1 1/2" RF Flange	LADISH	RR2R	N/A	pc.#29	N/A	Replaced	No
1 1/2" Pipe	QUANEX	295192	N/A	pc.#28	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



1. Owner Philadelphia Electric Company  
2201 Market St. Philadelphia, PA 19101

2. PLANT Reichs Atomkraftwerk Power Station  
Delta, PA 17314

Chn 3  
Mod 2106  
Phila. Electric Nuclear Engineering  
1000 University City Blvd. Phila. Pa. 19104 Dept.

2. Work Performed by Philadelphia Electric Company  
2801 Market St. Philadelphia, PA. 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III 19 80 Edition Winter '81 Agency N/A Code Case

b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Ascenda N-308 Code Case

#### 6. Identification of Components Required or Replaced and Replacement Components

272

FORM NIS-2 (Back)

1. Tests Conducted

HYDROSTATIC



PNEUMATIC



Normal Operating Pressure



Other



Pressure 102 psi

Test Temp. Ambient °F

2. Remarks

N/A

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.

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Signed

R. H. Hoffman Lead Mech. Installation Engr.  
R. H. Hoffman 2/5/90

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 Hartford Steam Boiler Iron Works Co. have inspected the components described in the Owner's Report during the period 12/1/87 to 2/6/90 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 the 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.

R. H. Hoffman  
Inspector's Signature

Commission

Pa. 2123 NB 7592

National Board, State, Province, and Certification

Date

Feb 6 19 90

# 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 5, 1990  
2301 Market St., Philadelphia, PA 19101 Sheet 2 of 3
2. Plant Peach Bottom Atomic Power Station Unit 2  
Certs. PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P.D. No. 100, 101, 102
3. Work performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III, 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 68 $\Delta$	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore A-Core Spray							
1 1/2" FF Flange	COFFER	AMWQ	N/A	pc.#21	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#3	N/A	Replaced	No
1 1/2" 90deg. Ell.	BONNEY FORGE	2498	N/A	pc.#15	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#4	N/A	Replaced	No
1 1/2" 90deg. Ell.	BONNEY FORGE	2498	N/A	pc.#16	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#5	N/A	Replaced	No
1 1/2 x 3/4 red. tee.	BONNEY FORGE	2481	N/A	pc.#23	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#12	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#29	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#30	N/A	Replaced	No
1 1/2" RF Flange	LADISH	RR2R	N/A	pc.#32	N/A	Replaced	No
1 1/2" RF Flange	LADISH	RR2R	N/A	pc.#31	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



# 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  
2201 Market St. Philadelphia, PA 19101

Date February 5, 1990  
Sheet 2 of 3

2. Plant Reagan-Bonomo Atomic Power Station  
Cats. PA 17314

Unit 3  
Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.


3. Work Performed by Philadelphia Electric Company  
2201 Market St. Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III 1980 Edition Winter '81 Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 68 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore A-Core Spray							
1 1/2" Pipe	QUANEX	286842	N/A	pc.#6	N/A	Replaced	No
1 1/2" Lateral	WFI NUCLEAR	278CN	N/A	pc.#18	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#7	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#8	N/A	Replaced	No
2 x 1 1/2 red. insert	BONNEY FORGE	DC58	N/A	pc.#25	N/A	Replaced	No
2" Tee	LADISH	L980	N/A	pc.#24	N/A	Replaced	No
2 x 1 red insert	BONNEY FORGE	DC75	N/A	pc.#26	N/A	Replaced	No
1" Pipe	QUANEX	282922	N/A	pc.#10	N/A	Replaced	No
1" Plug Valve	XOMOX	R353K	N/A	pc.#28	N/A	Replaced	No
1" Pipe	QUANEX	282922	N/A	pc.#11	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#9	N/A	Replaced	No
2" Plug Valve	XOMOX	SP-R352K	N/A	pc.#27	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
1 1/2" Cap	LADISH	084C	N/A	pc.#19	N/A	Replaced	No

## FORM NIS-2 (Back)

1. Tests Conducted:

HYDROSTATIC



THERMAL



Nominal Operating Pressure



Other



Pressure 102

PS

Test Temp.

Ambient

°F

2. Remarks

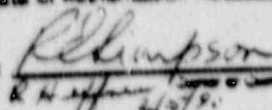
N/A

## 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.

Type Code Symbol Stamp NoneCertificate of Authorization No. NoneExpiration Date N/A

Signed



Lead Mech. Installation Engr.

Date

2/5

19

90

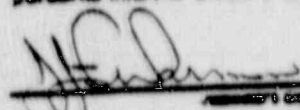
## CERTIFICATE OF INSERVICE INSPECTION

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 Hartford Steam Boiler Corp.

Ins. Co.

the corresponding business in the Owner's Report during the dates 12/1/87 to 2/6/90 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the undersigned nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the undersigned 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.



Commission No.

PA 2163

NB 2392

Date

Feb. 6


19

90

# 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 5, 1980  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Peach Bottom Atomic Power Station Unit 3  
Certs. PA 17314 Phila. Electric NED, Mod 2106  
ASME Code Section XI, 2, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000
3. Work performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 13
5. (a) Applicable Construction Code ASME III-550 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 69 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes or No
Small Bore A-Core Spray							
1 1/2" FF Flange	COFFER	AMWQ	N/A	pc.#23	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#6	N/A	Replaced	No
1 1/2" 90deg. Ell.	BONNEY FORGE	2498	N/A	pc.#14	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#7	N/A	Replaced	No
1 1/2 x 3/4 red. Tee	BONNEY FORGE	2481	N/A	pc.#17	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#10	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#26	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#27	N/A	Replaced	No
1 1/2" RF Flange	LADISH	RR2R	N/A	pc.#28	N/A	Replaced	No
1 1/2" RF Flange	LADISH	RR2R	N/A	pc.#29	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#8	N/A	Replaced	No
2 x 1 1/2 red. insert	BONNEY FORGE	DC58	N/A	pc.#18	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_



# 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 5, 1990  
2201 Market St., Philadelphia, PA 19101 Sheet 2 of 3
2. Plant Pecon Bottom Atomic Power Station Unit 3  
Certs. #s 17314 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA, 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III '80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 69/43	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore A-Core Spray							
2" 90 deg. Ell.	LADISH	BB7S	N/A	pc.#13	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#9	N/A	Replaced	No
2" Plug Valve	XOMOX	SP-R352K	N/A	pc.#25	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" Tee	LADISH	L980	N/A	pc.#16	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" RF Flange	COFFER	AJLE	N/A	pc.#19	N/A	Replaced	No
2" RF Flange	COFFER	AJLE	N/A	pc.#20	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2" RF Flange	COFFER	AJLF	N/A	pc.#21	N/A	Replaced	No
2" RF Flange	COFFER	AJLE	N/A	pc.#22	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2" 90 deg. Ell.	LADISH	BB7S	N/A	pc.#12	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No

## FORM NIS-2 (Back)

5. Tests Conducted: HYDROSTATIC ☒ PNEUMATIC ☐ NOMINAL OPERATING PRESSURE ☐  
 OTHER ☐ \_\_\_\_\_  
 Pressure 102 ps Test Temp. Ambient °F

6. Remarks N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## 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.

Type Code Symbol Stamp None  
 Certificate of Authorization No. None Expiration Date N/A  
 Signed R. Simpson Lead Mech. Installation Engr. Date 2/5 19 90  
R. H. Hoffer 2/5/90

## 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 Province of Pennsylvania and employed by Hartford Steam Boiler Iron Works Co. have inspected the components described in the Owner's Report during the period 12/1/87 to 2/6/90 and deem that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 the 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.

H. Hoffer Commissioner PA 2143 NB 7592  
 Date Feb 6 19 90

# 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 28, 1980  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 4
2. Plant Reagan-Bottom Atomic Power Station Unit 3  
Delts. PA 17314 Phila. Electric NED, Mod 2106
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 70 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes or No
Small Bore A-Core Spray							
3/4" Pipe	QUANEX	268672	N/A	pc.#1	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353K	N/A	pc.#24	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#2	N/A	Replaced	No
3/4" RF Flange	COFFER	AJGZ	N/A	pc.#17	N/A	Replaced	No
3/4" RF Flange	COFFER	AJGZ	N/A	pc.#18	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#3	N/A	Replaced	No
3/4" RF Flange	COFFER	AJGZ	N/A	pc.#19	N/A	Replaced	No
3/4" RF Flange	COFFER	AJGZ	N/A	pc.#20	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#5	N/A	Replaced	No
3/4" 45 deg. Ell.	BONNEY FORGE	2419B	N/A	pc.#27	N/A	Replaced	No
3/4" Pipe	QUANEX	139701	N/A	pc.#31	N/A	Replaced	No
3/4" 45 deg. Ell.	BONNEY FORGE	2419B	N/A	pc.#28	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



**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  
2201 Market St., Philadelphia, PA 19101

Date February 16, 1990

Sheet 2 of 4

2. Plant Reagan-Bonom Atomic Power Station  
Units #1-#3 & 4

Unit 3

Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.


3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 32

5. (a) Applicable Construction Code ASME III 1980, Edition Winter '81 Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 70 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore A-Core Spray							
3/4" Pipe	QUANEX	268672	N/A	pc.#32	N/A	Replaced	No
3/4" Plug Valve	XOMOX	SP-R354K	N/A	pc.#25	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#33	N/A	Replaced	No
3/4", 45 deg. Ell.	BONNEY FORGE	2573A	N/A	pc.#29	N/A	Replaced	No
3/4" Pipe	QUANEX	139701	N/A	pc.#34	N/A	Replaced	No
3/4" 45 deg. Ell.	BONNEY FORGE	2573A	N/A	pc.#30	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#7	N/A	Replaced	No
3/4" Tee	BONNEY FORGE	2397A	N/A	pc.#16	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#8	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#26	N/A	Replaced	No
1/2" Plate	BETHLEHEM STEEL	401H0563	N/A	pc.#H5	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#10	N/A	Replaced	No
3/4" 90 deg. Ell.	BONNEY FORGE	P642	N/A	pc.#14	N/A	Replaced	No
3/4 x 1/2 red. insert	BONNEY FORGE	DA95-	N/A	pc.#22	N/A	Replaced	No
1/2" Pipe	SHARON TUBE	W70910	N/A	pc.#11	N/A	Replaced	No

As Required by the Provisions of the ASME Code Section XI

A-Core Spray FSK-M-3033 Sht. 70

## FORM NIS-2 (Back)

1. Tests Conducted: ☒ Hydrostatic ☐ Pneumatic ☐ Normal Operating Pressure ☐  
 Other ☐ \_\_\_\_\_  
 Pressure 102 psi Test Temp. Ambient °F

2. Remarks N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None

Certificate of Authorization No. None Expiration Date N/A

Signed [Signature] Lead Mech. Installation Engr. Date 2/6 '90  
[Signature] 4/7/90

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the Maine Board of Boiler and Pressure Vessel Inspectors and the State of Province of Pennsylvania and employed by Hartford Steam Boiler Inc. + have inspected the components described in the Owner's Report during the dates 12/11/89 to 2/9/90 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 the 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 2103 NB 7596  
 Date Feb. 9 '90



# 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 5, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 2
2. Plant Peach Bottom Atomic Power Station Unit 3  
Guth, PA 17314 Phila. Electric NED, Mod 2106  
Model Construction # 2, Vol. 1 and Vol. 2
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-1980 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. ISO-3-33-28	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Large Bore B-Core Spray							
3/4" Plate	BETHLEHEM STEEL	411K4831	N/A	H260-L1	N/A	Replaced	No
3/4" Plate	BETHLEHEM STEEL	411K4831	N/A	H260-L2	N/A	Replaced	No
3/4" Plate	BETHLEHEM STEEL	411K4831	N/A	H260-L3	N/A	Replaced	No
3/4" Plate	BETHLEHEM STEEL	411K4831	N/A	H260-L4	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 002	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 003	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 004	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 005	N/A	Replaced	No
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 006	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

## FORM NIS-2 (Back)

1. Tests Conducted: HYDROSTATIC ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ \_\_\_\_\_  
 Pressure 102 ps Test Temp. Ambient °F

2. Remarks N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## 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.

Type Code Symbol Stamp None

Certificate of Authorization no. None Expiration Date N/A

Signed William Lead Mech. Installation Engr. Date 12/30 '90  
2nd Officer

## 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 Province of Pennsylvania and employed by Hartford Steam Boiler Corp. have inspected the components described in the Owner's Report during the dates 12/1/87 to 2/4/90 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 the Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage of a less or any kind arising from or connected with this inspection.

William Lead Commissioned PA 2143 NB 7592  
 Date Feb 6 '90

# 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 5, 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 2 of 3  
 2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
 3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. a) Applicable Construction Code ASME III-80 Edition Winter '81 Addenda N/A Code Case  
 b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 22	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore B-Core Spray							
3/4" Pipe	QUANEX	268672	N/A	pc.#1	N/A	Replaced	No
3/4" R F Flange	COPPER	ABSF	N/A	pc.#15	N/A	Replaced	No
3/4" R F Flange	COPPER	AJGZ	N/A	pc.#16	N/A	Replaced	No
3/4" Pipe	QUANEX	139701	N/A	pc.#3	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353K	N/A	pc.#20	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#5	N/A	Replaced	No
3/4" Tee	BONNEY FORGE	2397A	N/A	pc.#14	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#6	N/A	Replaced	No
3/4" 90 Ell	LADISH	M538	N/A	pc.#12	N/A	Replaced	No
3/4" x 1/2 red insert	LADISH	088A	N/A	pc.#19	N/A	Replaced	No
1/2" Pipe	SHARON TUBE	W70910	N/A	pc.#7	N/A	Replaced	No
1/2" F F Flange	COPPER	AMWQ	N/A	pc.#17	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



1. Owner Philadelphia Electric Company Date February 5, 1980  
2201 Market St., Philadelphia, PA 19101 Sheet 2 of 3  
 2. Plant Reagan-Bethesda Atomic Power Station Unit 3  
Calts. PA 17314 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept. Nuclear Operations, P. O. Box 100, Calts. PA  
 3. Work Performed by Philadelphia Electric Company  
1111 Market St., Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Construction Code ASME III '80 Edition Winter '81 Agency N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Agency N-308 Code Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

[illegible]

FORM NIS-2 (Back)

3. Tests Conducted

HYDROSTATIC



Pneumatic



Nominal Operating Pressure



Other



Pressure 102 psi

Test Temp. Ambient °F

4. Remarks

N/A

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.

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Signed

[Signature]  
K. Haffner 2/2/90

Lead Mech. Installation Engr.

Date 12/20 19 89

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 Hartford Steam Boiler Insp. & Ins. Co. have inspected the components described in this Owner's Report during the period 12/1/87 to 2/2/90 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

Commission

PA 2113 NB 7592

Date


Feb 6

19

90

**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 5, 1990  
2301 Market St., Philadelphia, PA 19101 Sheet 1 of 3  
 2. Plant Pegon Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
 3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Construction Code ASME III-B 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-808 Code Case  
 6. Identification of Components Repaired or Replaced and Replacement Components


Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 26 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore Piping B-Core Spray							
2" Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2 x 3/4 red tee	BONNEY FORGE	W358	N/A	pc.#22	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2 x 3/4 red tee	BONNEY FORGE	W727	N/A	pc.#23	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2" R F Flange	COFFER	AJLE	N/A	pc.#16	N/A	Replaced	No
2" R F Flange	COFFER	AJLE	N/A	pc.#17	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2" R F Flange	COFFER	AJLE	N/A	pc.#18	N/A	Replaced	No
2" R F Flange	COFFER	AJLE	N/A	pc.#19	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No
2" Tee	BONNEY FORGE	Z755	N/A	pc.#14	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



**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 5, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 2 of 3  
 2. Plant Pecon Bottom Atomic Power Station Unit 3  
Cats. PA 17314 Mod 2106  
Phila. Electric Nuclear Engineering  
 3. Work Performed by Philadelphia Electric Company Dept.  
2201 Market St. Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 32  
 5. (a) Applicable Construction Code ASME III 19 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 26 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore Piping B-Core Spray							
2" Pipe	QUANEX	296112	N/A	pc.#6	N/A	Replaced	No
2" Tee	BONNEY FORGE	2755	N/A	pc.#15	N/A	Replaced	No
2 x 1 Red Insert	LADISH	BY30	N/A	pc.#24	N/A	Replaced	No
1" Pipe	QUANEX	282922	N/A	pc.#7	N/A	Replaced	No
1" 90deg. Ell.	BONNEY FORGE	DB34	N/A	pc.#12	N/A	Replaced	No
1" Pipe	QUANEX	282922	N/A	pc.#8	N/A	Replaced	No
1" Plug Valve	XOMOX	R353	N/A	pc.#25	N/A	Replaced	No
1" Pipe	QUANEX	282922	N/A	pc.#9	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#10	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#26	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#11	N/A	Replaced	No

FORM NIS-2 (Back)

3. Tests Conducted:

Hydrostatic ☒

Pneumatic ☐

Nominal Operating Pressure ☐

Other ☐

Pressure 102 psi

Test Temp. Ambient °F

5. Remarks

N/A

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.

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Signed

R. L. Simpson  
R. L. Simpson

Lead Mech. Installation Engr.

Date

12/20

99

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 Hartford Steam Boiler Insp. +

Ins Co have inspected

the components described in this Owner's Report during the period 12/1/87 to 2/6/90 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

Commissioners

PA 2143 NB 7592

National Board, State, Federal, and International

Date

Feb 6


19

90

# 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 5, 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Beacon Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction # 2, 101, 102, 103, 104
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III, 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 76 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped: Yes or No
Small Bore B-Core Spray							
2" pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" Plug Valve	XOMOX	R353K	N/A	pc.#21	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" 90 deg. Ell.	LADISH	BB7S	N/A	pc.#13	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2" 90 deg. Ell.	LADISH	BB7S	N/A	pc.#14	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2 x 3/4 Red. Tee	BONNEY FORGE	W727	N/A	pc.#19	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No
2" 90 deg. Ell	LADISH	BB7S	N/A	pc.#15	N/A	Replaced	No
2x1 1/2 red insert	LADISH	778	N/A	pc.#23	N/A	Replaced	No
1 1/2" Pipe	QUANEX	296112	N/A	pc.#7	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_



**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  
2301 Market St., Philadelphia, PA 19101

Date February 5, 1990  
 Sheet 2 of 3

2. Plant Peach Bottom Atomic Power Station  
Delta, PA 17314

Unit 3  
Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.


3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III 19 80, Edition Winter '81 Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 76 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore B-Core Spray							
1 1/2" Pipe	QUANEX	295192	N/A	pc.#8	N/A	Replaced	No
2x1 1/2 red. insert	BONNEY FORGE	DA24	N/A	pc.#24	N/A	Replaced	No
2" 90 deg. Ell.	LADISH	BB7S	N/A	pc.#16	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#6	N/A	Replaced	No
2x3/4 red. tee.	BONNEY FORGE	W358	N/A	pc.#20	N/A	Replaced	No
3/4" Pipe	QUANEX	139701	N/A	pc.#9	N/A	Replaced	No
3/4" 90 deg. Ell	BONNEY FORGE	2434A	N/A	pc.#18	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#11	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#22	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#12	N/A	Replaced	No

FORM NIS-2 (Back)

1. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ \_\_\_\_\_  
 Pressure 102 psi Test Temp. Ambient °F

2. Remarks N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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.

Type Code Symbol Stamp None

Certificate of Authorization No. None Expiration Date N/A

Signed R. Thompson Lead Mech. Installation Engr. Date 12/20 19 89  
R. Haffner 2/5/90

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 Province of Pennsylvania and employed by Woodward Steam Boiler Insp. And Ins. Co. have inspected the components described in this Owner's Report during the period 12/1/87 to 3/6/90 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.

W. Haffner Commissioner PP 2143 NB 7592  
 Date Feb 6 19 90

**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 5, 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 3


2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
Local Organization, P. O. Box 428, P.O. Box 428

3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III, 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 77 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes or No
Small Bore B-Core Spray							
2" Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#14	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" Cap	BONNEY FORGE	DD18	N/A	pc.#16	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#15	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2" Cap	BONNEY FORGE	DD18	N/A	pc.#17	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No
2" 90 deg. Ell.	LADISH	BB7S	N/A	pc.#11	N/A	Replaced	No
2x1 1/2 red. insert	BONNEY FORGE	DA24	N/A	pc.#21	N/A	Replaced	No
1 1/2" Pipe	QUANEX	295192	N/A	pc.#6	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

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**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  
2201 Market St., Philadelphia, PA 19101

Date February 5, 1980  
 Sheet 2 of 3

2. Plant Peach Bottom Atomic Power Station  
Delta, PA 17314

Unit 3  
 Mod 2106  
Phila. Electric Nuclear Engineering  
 Dept.


3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA, 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III 19 80 Edition Winter '81 Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 77 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore B-Core Spray							
1 1/2 x 3/4 red tee	BONNEY FORGE	Z481	N/A	pc. #20	N/A	Replaced	No
1 1/2" Pipe	QUANEX	295192	N/A	pc. #25	N/A	Replaced	No
1 1/2" R F Flange	LADISH	RR2R	N/A	pc. #23	N/A	Replaced	No
1 1/2" R F Flange	LADISH	RR2R	N/A	pc. #24	N/A	Replaced	No
1 1/2" Pipe	QUANEX	295192	N/A	pc. #7	N/A	Replaced	No
1 1/2" 90 deg. Ell	BONNEY FORGE	Z592	N/A	pc. #12	N/A	Replaced	No
1 1/2" Pipe	QUANEX	295192	N/A	pc. #8	N/A	Replaced	No
1 1/2" F F Flange	COFFER	AMWQ	N/A	pc. #18	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc. #9	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc. #22	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc. #10	N/A	Replaced	No

B-Core Spray FSK-M-3033 Sht. 77

FORM NIS-2 (Back)

3. Tests Conducted:

Hydrostatic



Pneumatic



Nominal Operating Pressure



Other



Pressure 102

psi

Test Temp.

Ambient

°F

5. Remarks

N/A

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.

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Signed

*R. Thompson*  
2/20/90

Lead Mech. Installation Engr.

Date

12-20

19

89

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 Hartford Steam Boiler Insp. and Ins. Co.

have inspected the components described in this Owner's Report during the period 12/1/87 to 2/6/90 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.

*M. F. Fink*  
Inspector's Signature

Commission

NB7592 Pa 2143

Date


Feb 6

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**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 5, 1980  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 3  
 2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
 3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Construction Code ASME III, 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 78 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes or No
Small Bore B-Core Spray							
2" Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" Plug Valve	XOMOX	R353K	N/A	pc.#17	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2 x 3/4 red tee	BONNEY FORGE	W727	N/A	pc.#13	N/A	Replaced	No
2 x 1 1/2 red insert	LADISH	778	N/A	pc.#15	N/A	Replaced	No
1 1/2" Pipe	QUANEX	295192	N/A	pc.#3	N/A	Replaced	No
1 1/2 " Pipe	QUANEX	295192	N/A	pc.#4	N/A	Replaced	No
2 x 1 1/2 red inset	LADISH	778	N/A	pc.#16	N/A	Replaced	No
2 x 3/4 red tee	BONNEY FORGE	W727	N/A	pc.#14	N/A	Replaced	No
3/4" Pipe	QUANEX	139701	N/A	pc.#5	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#18	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#7	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



As Required by the Provisions of the ASME Code Section XI

2301 Market St. , Philadelphia, PA 19101

Sheet 2 of 3

Celta. PA : 7314

Phila. Electric Nuclear Engineering  
 Power Organization, P. O. No. 100 No. 10. Dept.

2301 Market St. Philadelphia, PA. 19101

Emergency Service Water, Mechanical System No. 33

(a) Applicable Construction Code ASME III 19 80 Edition, Winter '81 Agenda: N/A

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308

#### 5. Identification of Components Repaired or Replaced and Replacement Components

[illegible]

# FORM NIS-2 (Back)

3. Tests Conducted:

Hydrostatic



Pneumatic



Nominal Operating Pressure



Other



Pressure

102

psi

Test Temp.

Ambient

°F

4. Remarks

N/A

## 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.

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

R. H. Hoffman Lead Mech. Installation Engr. Date 12/20 19 89

## 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 Hartford Steam Boiler Insp. have inspected the components described in this Owner's Report during the period 12/1/87 to 2/4/90 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.

R. H. Hoffman  
Inspector's Signature

Commission

PA 2163 NB 7592

Date

Feb. 6


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# 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 5, 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 3  
 2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
 3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Conservation Code ASME III-80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 79 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore B-Core Spray							
2" Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" 90 Deg. Ell.	BONNEY FORGE	Z749	N/A	pc.#12	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#16	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#17	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#6	N/A	Replaced	No
2 x 3/4 red insert	BONNEY FORGE	W358	N/A	pc.#22	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#7	N/A	Replaced	No
2" 90 Deg. Ell.	BONNEY FORGE	Z749	N/A	pc.#13	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



**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 5, 1990  
2301 Market St., Philadelphia, PA 19101 Sheet 2 of 3


2. Plant Pecon Bottom Atomic Power Station Unit 3  
Delta #4 17314 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.

3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA, 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III 19 80 Edition, Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 79 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore B-Core Spray							
2 x 1 1/2 red insert	BONNEY FORGE	DA24	N/A	pc.#23	N/A	Replaced	No
1 1/2" Pipe	QUANEX	295192	N/A	pc.#8	N/A	Replaced	No
1 1/2" 90 deg. Ell.	BONNEY FORGE	2592	N/A	pc.#14	N/A	Replaced	No
1 1/2" Pipe	QUANEX	295192	N/A	pc.#9	N/A	Replaced	No
1 1/2" F F Flange	COFFER	AMWQ	N/A	pc.#20	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#10	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#24	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#11	N/A	Replaced	No
2" Cap	BONNEY FORGE	DD18	N/A	pc.#18	N/A	Replaced	No
2" Cap	BONNEY FORGE	DD18	N/A	pc.#19	N/A	Replaced	No
2" R F Flange	COFFER	ABSF	N/A	pc.#25	N/A	Replaced	No
2" R F Flange	COFFER	ABSF	N/A	pc.#26	N/A	Replaced	No

## FORM NIS-2 (Back)

3. Tests Conducted:

Hydrostatic



Pneumatic



Nominal Operating Pressure



Other



Pressure 102 psi

Test Temp. Ambient °F

5. Remarks

N/A

## 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.

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Signed

R. Simpson Lead Mech. Installation Engr. Date 12/20/89

## 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 Hartford Steam Boiler Insp. &amp; Ins. Co. have inspected the components described in this Owner's Report during the period 12/1/88 to 2/9/90 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.

Date

Feb 9

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Commission


PA 2143 NB 7592

National Board, State, Provincial, and Governmental

# 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 5, 1980  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 3  
 2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
ASME Code Section XI  
 3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Construction Code ASME III, 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case  
 6. Identification of Components Removed or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 80 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore B-Core Spray							
1 1/2" F F Flange	COFFER	AMWQ	N/A	pc.#17	N/A	Replaced	No
1 1/2" Pipe	QUANEX	295192	N/A	pc.#8	N/A	Replaced	No
1 1/2" 90 deg. Ell	BONNEY FORGE	Z592	N/A	pc.#15	N/A	Replaced	No
1 1/2" Pipe	QUANEX	295192	N/A	pc.#9	N/A	Replaced	No
1 1/2" R F Flange	LADISH	RR2R	N/A	pc.#26	N/A	Replaced	No
1 1/2" R F Flange	LADISH	RR2R	N/A	pc.#25	N/A	Replaced	No
1 1/2" Pipe	QUANEX	295192	N/A	pc.#27	N/A	Replaced	No
2 x 1 1/2 red insert	BONNEY FORGE	DA24	N/A	pc.#22	N/A	Replaced	No
2 x 3/4 red insert	BONNEY FORGE	W358	N/A	pc.#21	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" 90 deg. Ell.	LADISH	ZWKE1	N/A	pc.#12	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves  
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 \_\_\_\_\_  
 \_\_\_\_\_



**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 5, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 2 of 3


2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Mod 2106  
Phila. Electric Nuclear Engineering Dept.  
Local Organization # 2, Inc. and Phil. E.C.

3. Work Performed by Philadelphia Electric Company  
2201 Market St. Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III '80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 80 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore B-Core Spray							
2" 90 deg. Ell	LADISH	ZWKE1	N/A	pc.#14	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	pc.#18	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No
2" Cap	BONNEY FORGE	DD18	N/A	pc.#19	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#6	N/A	Replaced	No
2" Plug Valve	XOMOX	SP-R352K	N/A	pc.#23	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#7	N/A	Replaced	No
3/4" Pipe	QUANEX	139701	N/A	pc.#10	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#24	N/A	Replaced	No
3/4" Pipe	QUANEX	139701	N/A	pc.#11	N/A	Replaced	No

B-Core Spray FSK-M-3033 Sht. 80

## FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic



Pneumatic



Nominal Operating Pressure



Other

Pressure 102 psiTest Temp. Ambient °F

2. Remarks

N/A

\* Complete Manufacturer's Data Records 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.

Type Code Symbol Stamp NoneCertificate of Authorization No. NoneExpiration Date N/A

Signed

R. Thompson  
R. Thompson  
2/10/90

Lead Mech. Installation Engr.

Date

12/30

19

89

## 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 Hartford Steam Boiler Insp. & Ins. Co. have inspected the components described in this Owner's Report during the period 12/1/87 to 2/4/90 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

Commissioners

PA 2167 NB 7592

National Board, State, Province, and Inspectors

Date

Feb 6

19

90

**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 27, 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 3  
 2. Plant Pecon Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
 3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Construction Code ASME III is 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda U-308 Code Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 81 $\Delta$	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore B-Core Spray							
1 1/2" F F Flange	COFFER	AMWQ	N/A	pc.#19	N/A	Replaced	No
1 1/2" Pipe	QUANEX	295192	N/A	pc.#8	N/A	Replaced	No
1 1/2" 90 deg. Ell	BONNEY FORGE	2592	N/A	pc.#15	N/A	Replaced	No
1 1/2" Pipe	QUANEX	295192	N/A	pc.#9	N/A	Replaced	No
1 1/2" R F Flange	LADISH	RR2R	N/A	pc.#27	N/A	Replaced	No
1 1/2" R F Flange	LADISH	RR2R	N/A	pc.#26	N/A	Replaced	No
1 1/2" Pipe	QUANEX	295192	N/A	pc.#28	N/A	Replaced	No
2 x 1 1/2 red insert	BONNEY FORGE	DA24	N/A	pc.#22	N/A	Replaced	No
2" 90 deg. Ell.	BONNEY FORGE	2749	N/A	pc.#12	N/A	Replaced	NO
2" Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2 x 3/4 red. tee.	CAPITOL	R84R	N/A	pc.#23	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



**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 5, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 2 of 3


2. Plant Peach Bottom Atomic Power Station Unit 3  
Data, PA 17314 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.

3. Work Performed by Philadelphia Electric Company  
2201 Market St. Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III '80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case

6. Identification of Components Required or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 81 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore B-Core Spray							
2" Lateral	BONNEY FORGE	W797	N/A	pc.#18	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2" Cap	BONNEY FORGE	DD18	N/A	pc.#20	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2" 90 deg. Ell.	LADISH	ZWKE1	N/A	pc.#14	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#6	N/A	Replaced	No
2" Plug Valve	XOMOX	SP-R352K	N/A	pc.#24	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#7	N/A	Replaced	No
2" Tee	BONNEY FORGE	Z755	N/A	pc.#17	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#10	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#25	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#11	N/A	Replaced	No

FORM NIS-2 (Back)

3. Tests Conducted:

Hydrostatic



Pneumatic



Nominal Operating Pressure



Other



Pressure 102 psi

Test Temp. Ambient

°F

5. Remarks

N/A

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.

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Signed

*R. Simpson*  
R. Simpson  
2/15/90

Lead Mech. Installation Engr.

Date

12/20/89

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 Hartford Steam Boiler Insp. & Ins. Co. have inspected the components described in the Owner's Report during the period 12/1/87 to 2/16/90 and attest 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.

*H. E. [Signature]*  
Inspector's Signature

Commission

PA 2143 NB 7592

NATIONAL BOARD, 2200 F STREET, N.W., WASHINGTON, D.C. 20037

Date

Feb 6

19 90

**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 5, 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 3

2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
ASME Code Section XI, 2nd Ed., 1980 Ed.

3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III, 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. PSK-M-3033 Sheet 82 <u>2</u>	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore B-Core Spray							
2" Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" R F Flange	COFFER	AJLE	N/A	pc.#16	N/A	Replaced	No
2" R F Flange	COFFER	AJLE	N/A	pc.#17	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" 90 deg. Ell.	BONNEY FORGE	2749	N/A	pc.#12	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2" R F Flange	COFFER	AJLE	N/A	pc.#18	N/A	Replaced	No
2" R F Flange	COFFER	AJLE	N/A	pc.#19	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2" Tee	BONNEY FORGE	2755	N/A	pc.#14	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No
2 x 3/4" red tee.	BONNEY FORGE	W358	N/A	pc.#21	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

\_\_\_\_\_

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**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 27, 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 2 of 3


2. Plant Reagan-Bethesda Atomic Power Station Unit 3  
Delta, PA 17314 Mod 2106  
Phila. Electric Nuclear Engineering  
 Dept. Legal/Operations P. 2 No. 228 No. 22

3. Work Performed by Philadelphia Electric Company  
2301 Market St. Philadelphia, PA, 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III '80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 82 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore B-Core Spray							
2" Pipe	QUANEX	296112	N/A	pc. #6	N/A	Replaced	No
2 x 3/4 red tee.	BONNEY FORGE	W358	N/A	pc. #22	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc. #10	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc. #25	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc. #11	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc. #7	N/A	Replaced	No
2 x 1 red. insert	LADISH	BM37	N/A	pc. #23	N/A	Replaced	No
1" Pipe	QUANEX	282922	N/A	pc. #8	N/A	Replaced	No
1" Plug Valve	XOMOX	R353	N/A	pc. #24	N/A	Replaced	No
1" Pipe	QUANEX	282922	N/A	pc. #9	N/A	Replaced	No
1" Cap			N/A	pc. #20	N/A	Replaced	No

## FORM NIS-2 (Back)

3. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐  
 Pressure 102 psi Test Temp. Ambient °F

5. Remarks N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## 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.

Type Code Symbol Stamp None

Certificate of Authorization No. None Expiration Date N/A

Signed R. Simpson Lead Mech. Installation Engr. Date 12/20 19 89  
E. Huffer 2/5/90

## 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 Province of Pennsylvania and employed by Hartford Steam Boiler, Tank and Iron Co. have inspected the components described in this Owner's Report during the period 12/1/89 to 2/6/90 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.

R. Simpson Commission PA 2463 NB 7592  
 Date Feb. 6 19 90

# 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 5, 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III, 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification Dwg. FSK-M-3033 Sheet 83 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore B-Core Spray							
1/2" F F Flange	COFFER	AMWQ	N/A	pc.#18	N/A	Replaced	No
1/2" Pipe	SHARON TUBE	W70910	N/A	pc.#10	N/A	Replaced	No
3/4 x 1/2 red insert	BONNEY FORGE	DA95	N/A	pc.#19	N/A	Replaced	No
3/4" Tee	BONNEY FORGE	2397A	N/A	pc.#15	N/A	Replaced	No
3/4" Pipe	QUANEX	139701	N/A	pc.#1	N/A	Replaced	No
3/4" Plug Valve	XOMOX	SP-R354K	N/A	pc.#21	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#3	N/A	Replaced	No
3/4" R F Flange	COFFER	AJGZ	N/A	pc.#16	N/A	Replaced	No
3/4" R F Flange	COFFER	ABSF	N/A	pc.#17	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#5	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#22	N/A	Replaced	No
3/4" Pipe	QUANEX	139701	N/A	pc.#6	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



1. Owner Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101  
 2. Plant Reagan-Bottom Atomic Power Station  
Delta, PA 17314  
 3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Construction Code ASME III '80 Edition, Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case  
 6. Identification of Components Required or Replaced and Replacement Components

Date February 5, 1990  
 Sheet 2 of 3  
 Unit 3  
 Mod 2106  
Phila. Electric Nuclear Engineering  
Reagan-Bottom PWR No. 2 Dept.

[illegible]

FORM NIS-2 (Back)

3. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐  
 Pressure 100 psi Test Temp. Ambient °F

5. Remarks N/A

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.

Type Code Symbol Stamp None

Certificate of Authorization No. None Expiration Date N/A

Signed [Signature] Lead Mech. Installation Engr. Date 12/20 19 89  
E. H. Miller 2/5/90

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 Province of Pennsylvania and employed by Hartford Steam Boiler Insp. and have inspected Feed Line the components described in this Owner's Report during the period 12/1/87 to 2/6/90 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-2163 NB-7592  
 Date Feb 6 19 90

# 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 5, 1980  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 2
2. Plant Peach Bottom Atomic Power Station Unit 3  
Certa, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P.C. No. 100 No. 112
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-80 Edition, Winter '81 Agency N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Agency N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification ISO-3-33-26	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Large Bore C-Core Spray							
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 001	N/A	Spool 002	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 001	N/A	Spool 003	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 001	N/A	Spool 004	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 001	N/A	Spool 005	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 001	N/A	Spool 006	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 001	N/A	Spool 007	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 001	N/A	Spool 008	N/A	Replaced	No
3" Pipe	US STEEL	L42427	N/A	Spool 009	N/A	Replaced	No
6 x 2 Tube Steel	WELDED TUBE OF CANADA	816642	N/A	H1-411A	N/A	Replaced	No
6 x 2 Tube Steel	WELDED TUBE OF CANADA	816642	N/A	H1-411B	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



C-Core Spray ISO-3-33-26

FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic ☒

Pressure ☐

Nominal Operating Pressure ☐

Other ☐

Pressure 100 ps

Test Temp. Ambient

2. Remarks

N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Signed

*[Signature]*  
2/4/90

Lead Mech. Installation Reg.

Date

2/5/90

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 Province of Pennsylvania, and employed by Hartford Steam Boiler Insp and Ins Co have inspected the components described in the Owner's Report during the dates 12/1/87 to 2/4/90 and have this to the best of my knowledge and belief. The Owner has corrected deficiencies and taken corrective measures described in the 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 the 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

Commission

A32163 NB 7592

Date Feb 6

1990

# 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 5, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 2
2. Plant Reagan-Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III, 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification Dwg. ISO-3-33-27	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped: Yes or No
Large Bore C-Core Spray							
Fabricated Spool	DRAVO	Bechtel PO 18247-P351AC	N/A	Spool 001	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 001	N/A	Spool 002	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 001	N/A	Spool 003	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 001	N/A	Spool 004	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 001	N/A	Spool 005	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 001	N/A	Spool 006	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 001	N/A	Spool 007	N/A	Replaced	No
Fabricated Spool	DRAVO	Same As Spool 001	N/A	Spool 008	N/A	Replaced	No
3" Pipe	US STEEL	L42427	N/A	Spool 009	N/A	Replaced	No
3" Pipe	US STEEL	L42427	N/A	Spool 010	N/A	Replaced	No
6 x 2 Tube Steel	WELDED TUBE OF CANADA	816642	N/A	H248-407A	N/A	Replaced	No
6 x 2 Tube Steel	WELDED TUBE OF CANADA	816642	N/A	H248-407B	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

## FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic



Insulated



Nominal Operating Pressure



Other



Pressure

100

PS

Test Temp.

Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

*R. Thompson*  
*R. Heffer*  
 Lead Mech. Installation Insp.  
 Date of Owner's Inspection: 1-18

Date

2/5

1990

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the relevant State or other and Pressure Vessel Inspector and the State of Province of Pennsylvania and employed by Hartford Steam Boiler Insp. & Ins. Co. have inspected the components described in the Owner's Report during the dates 12/1/87 to 2/7/90 and deem this to the best of my knowledge and belief. The Owner has performed examinations and such corrective measures described in the 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 the 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.

*M. Fulmer*  
 Inspector's Signature

Commission No.

PA 2143

NB 7592

Date

Feb 7

19

90



# 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 2, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 1
2. Plant Reactor Bottom Atomic Power Station Unit 3  
Delco, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P. 2, 10, 11, 12, 13, 14
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-108 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 21	Year Built	Required, Replaced, or Replacement	ASME Code Stamped Yes or No
Small Bore C-Core Spray							
3/4" Pipe	QUANTEX	268672	N/A	pc.#1	N/A	Replaced	No
3/4" R F Flange	COFFER	AJGZ	N/A	pc.#11	N/A	Replaced	No
3/4" R F Flange	COFFER	AJGZ	N/A	pc.#12	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#2	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353K	N/A	pc.#16	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#4	N/A	Replaced	No
3/4" Tee	BONNEY FORGE	2397A	N/A	pc.#10	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#5	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#17	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#6	N/A	Replaced	No
3/4 x 1/2 Red. Insert	LADISH	044C	N/A	pc.#15	N/A	Replaced	No
1/2" Pipe	SHARON TUBE	W70910	N/A	pc.#7	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

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

Center PHILADELPHIA Electric Company  
2001 Market St. Philadelphia, PA 19101

Date February 5, 1940  
Sheet 2 of 3

2. Plant Reichmann Atomic Power Station  
Date: 11-1-64

Mod 2106

WORK PERFORMED BY

	DATE	TIME	BY
1	08-01-67	10:00	J. J. J.
2	08-01-67	10:00	J. J. J.
3	08-01-67	10:00	J. J. J.
4	08-01-67	10:00	J. J. J.
5	08-01-67	10:00	J. J. J.
6	08-01-67	10:00	J. J. J.
7	08-01-67	10:00	J. J. J.
8	08-01-67	10:00	J. J. J.
9	08-01-67	10:00	J. J. J.
10	08-01-67	10:00	J. J. J.
11	08-01-67	10:00	J. J. J.
12	08-01-67	10:00	J. J. J.
13	08-01-67	10:00	J. J. J.
14	08-01-67	10:00	J. J. J.
15	08-01-67	10:00	J. J. J.
16	08-01-67	10:00	J. J. J.
17	08-01-67	10:00	J. J. J.
18	08-01-67	10:00	J. J. J.
19	08-01-67	10:00	J. J. J.
20	08-01-67	10:00	J. J. J.
21	08-01-67	10:00	J. J. J.
22	08-01-67	10:00	J. J. J.
23	08-01-67	10:00	J. J. J.
24	08-01-67	10:00	J. J. J.
25	08-01-67	10:00	J. J. J.
26	08-01-67	10:00	J. J. J.
27	08-01-67	10:00	J. J. J.
28	08-01-67	10:00	J. J. J.
29	08-01-67	10:00	J. J. J.
30	08-01-67	10:00	J. J. J.
31	08-01-67	10:00	J. J. J.
32	08-01-67	10:00	J. J. J.
33	08-01-67	10:00	J. J. J.
34	08-01-67	10:00	J. J. J.
35	08-01-67	10:00	J. J. J.
36	08-01-67	10:00	J. J. J.
37	08-01-67	10:00	J. J. J.
38	08-01-67	10:00	J. J. J.
39	08-01-67	10:00	J. J. J.
40	08-01-67	10:00	J. J. J.
41	08-01-67	10:00	J. J. J.
42	08-01-67	10:00	J. J. J.
43	08-01-67	10:00	J. J. J.
44	08-01-67	10:00	J. J. J.
45	08-01-67	10:00	J. J. J.
46	08-01-67	10:00	J. J. J.
47	08-01-67	10:00	J. J. J.
48	08-01-67	10:00	J. J. J.
49	08-01-67	10:00	J. J. J.
50	08-01-67	10:00	J. J. J.
51	08-01-67	10:00	J. J. J.
52	08-01-67	10:00	J. J. J.
53	08-01-67	10:00	J. J. J.
54	08-01-67	10:00	J. J. J.
55	08-01-67	10:00	J. J. J.
56	08-01-67	10:00	J. J. J.
57	08-01-67	10:00	J. J. J.
58	08-01-67	10:00	J. J. J.
59	08-01-67	10:00	J. J. J.
60	08-01-67	10:00	J. J. J.
61	08-01-67	10:00	J. J. J.
62	08-01-67	10:00	J. J. J.
63	08-01-67	10:00	J. J. J.
64	08-01-67	10:00	J. J. J.
65	08-01-67	10:00	J. J. J.
66	08-01-67	10:00	J. J. J.
67	08-01-67	10:00	J. J. J.
68	08-01-67	10:00	J. J. J.
69	08-01-67	10:00	J. J. J.
70	08-01-67	10:00	J. J. J.
71	08-01-67	10:00	J. J. J.
72	08-01-67	10:00	J. J. J.
73	08-01-67	10:00	J. J. J.
74	08-01-67	10:00	J. J. J.
75	08-01-67	10:00	J. J. J.
76	08-01-67	10:00	J. J. J.
77	08-01-67	10:00	J. J. J.
78	08-01-67	10:00	J. J. J.
79	08-01-67	10:00	J. J. J.
80	08-01-67	10:00	J. J. J.
81	08-01-67	10:00	J. J. J.
82	08-01-67	10:00	J. J. J.
83	08-01-67	10:00	J. J. J.
84	08-01-67	10:00	J. J. J.
85	08-01-67	10:00	J. J. J.
86	08-01-67	10:00	J. J. J.
87	08-01-67	10:00	J. J. J.
88	08-01-67	10:00	J. J. J.
89	08-01-67	10:00	J. J. J.
90	08-01-67	10:00	J. J. J.
91	08-01-67	10:00	J. J. J.
92	08-01-67	10:00	J. J. J.
93	08-01-67	10:00	J. J. J.
94	08-01-67	10:00	J. J. J.
95	08-01		

4. certification of system Emergency Service Water, Mechanical System No. 22

5. 81 APPLICABLE CALENDAR CASE ASME 1980 Edition Winter 1981 Second N/A Case Case

(b) Applicable Edition of Section 30 Utilized for Repairs or Replacements is 80, Winter 1971 Agenda 11-108 200 Case

#### 5. Identification of Components Required of Replicas and Replacement Components

[illegible]

## FORM NIS-2 (Back)

1. Test Conducted

HYDROSTATIC



PNEUMATIC



VACUUM CHAMBER PRESSURE



Other



Pressure 102 ps

Test Temp. Ambient °F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

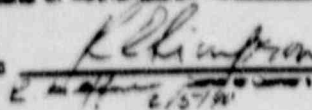
Certificate of Authorization No.

None

Expiration Date

N/A

Signed

  
 E. H. Hoffman  
 2/5/90

Lead Techn. Installation Exam.

Date

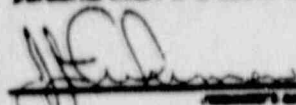
2/5

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## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the nearest State or Solar and Pressure vessel inspectors and the State or Province of Pennsylvania and employed by Hartford Steam Boiler Insp. have inspected the components described in the Owner's Report during the dates 12/1/87 to 2/2/90 and deem that to the best of my knowledge and belief, the Owner has corrected deficiencies and taken corrective measures described in the 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 deficiencies and corrective measures described in the 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

Commission

Pa 2143

NB 7542

Date

Feb 7

19

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# 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 5, 1990  
2201 Market St., Philadelphia, PA 19101 Sheet 1 of 3  
 2. Plant Reagan-Bottom Atomic Power Station Unit 3  
Cerra, PA 17314 Phila. Electric NED, Mod 2106  
 3. Work performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101  
 4. Description of System Emergency Service Water, Mechanical System No. 13  
 5. (a) Applicable Construction Code ASME III-B 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case  
 6. Identification of Components Replaced or Repaired and Reassessment Campaigns

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 27	Year Built	Required, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore C-Core Spray							
2" Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" Plug Valve	XOMOX	R353K	N/A	pc.#28	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2 x 1 1/2 Red Tee	BONNEY FORGE	W489	N/A	pc.#22	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#4	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#5	N/A	Replaced	No
2 x 3/4 Red Tee	LADISH	016C	N/A	pc.#25	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#10	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#29	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#12	N/A	Replaced	No
1 1/2 x 3/4 Red Tee	BONNEY FORGE	2481	N/A	pc.#23	N/A	Replaced	No
1 1/2" Pipe	QUANEX	295192	N/A	pc.#6	N/A	Replaced	No

7. Completion of Work Replace Unit 3 Emergency Service Water Piping and Valves

**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 5, 1980  
2201 Market St., Philadelphia, PA 19101 Sheet 2 of 3

2. Plant Reagan-Bonomi Atomic Power Station Unit 3  
Calts. #1 - #314 Mod 2106  
Phil. Electric Nuclear Engineering  
Dept.

3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA, 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III '80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 27	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore C-Core Spray							
1 1/2 x 3/4 Red. Tee	BONNEY FORGE	2481	N/A	pc.#24	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#14	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#30	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#15	N/A	Replaced	No
1 1/2" Pipe	QUANEX	295192	N/A	pc.#8	N/A	Replaced	No
1/2" Plate	BETHLEHEM STEEL	401H0563	N/A	H3	N/A	Replaced	No
1 1/2" R F Flange	LADISH	RR2R	N/A	pc.#32	N/A	Replaced	No
1 1/2" R F Flange	LADISH	RR2R	N/A	pc.#31	N/A	Replaced	No
1 1/2" Pipe	QUANEX	295192	N/A	pc.#33	N/A	Replaced	No
1 1/2" 90 Deg. Ell	BONNEY FORGE	2498	N/A	pc.#17	N/A	Replaced	No
1 1/2" Pipe	QUANEX	295192	N/A	pc.#9	N/A	Replaced	No
1 1/2" F F Flange	COFFER	AMWQ	N/A	pc.#26	N/A	Replaced	No

C-Core Spray FSK-M-3033 Sht. 27

## FORM NIS-2 (Back)

1. Tests Conducted

HYDROSTATIC



TENSILE



NOMINAL OPERATING PRESSURE



Size



Pressure

100

PS

Test Temp.

Ambient

°F

2. Remarks

N/A

## 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.

Type Code Symbol Stamp NoneCertificate of Authorization No. NoneExpiration Date N/A

Signed

R. H. Johnson  
*R. H. Johnson*  
 2/15/90

Lead Mech. Installation Insp.

Date

2/5

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90

## 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 Horsfield Steam Boiler Insp.

at Ins-12

the examinations conducted in the Owner's Report during the dates 12/1/83 to 2/9/90 and since the date of my knowledge and belief, the Owner has continued examinations and taken corrective measures described in the 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 the 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 the inspection.

H. F. Johnson  
*H. F. Johnson*  
 Date Feb. 9 19 90

Commission No.

PA 2463 NB 7542

National Board, State, Federal, and Commission



# 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 7, 1990  
2201 Market St. Philadelphia, PA 19101 Shop 1 of 3  
 2. Plant Peach Bottom Atomic Power Station Unit 3  
Certs. PA 17314 Phila. Electric NED, Mod 2106  
 3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 13  
 5. (a) Applicable Construction Code ASME III: 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 34	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped: Yes or No
Small Bore C-Core Spray							
2" Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" Plug Valve	XOMOX	R353K	N/A	pc.#27	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" 90 Deg. Ell.	BONNEY FORGE	2519	N/A	pc.#16	N/A	Replaced	No
2 x 1 1/2 Red. Insert	BONNEY FORGE	DC58	N/A	pc.#25	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#3	N/A	Replaced	No
1 1/2 x 3/4 Red. Tee	BONNEY FORGE	2481	N/A	pc.#22	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#4	N/A	Replaced	No
1 1/2" 45 Deg. Ell.	CAPITOL	P967	N/A	pc.#20	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#5	N/A	Replaced	No
1 1/2" 45 Deg. Ell.	CAPITOL	P967	N/A	pc.#21	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#6	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves  
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**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 27, 1980  
2001 Market St., Philadelphia, PA 19101 Sheet 2 of 3  
 2. Plant Reagan-Bonomi Atomic Power Station Unit 2  
Date: 01-1981 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.  
 3. Work Performed by Philadelphia Electric Company  
2001 Market St., Philadelphia, PA, 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 22  
 5. (a) Applicable Construction Code ASME 1979 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification	Year B.L.	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore C-Core Spray				FSK-M-3033 Sheet 34 			
1 1/2 x 1 Red. tee	BONNEY FORGE	2481	N/A	pc.#24	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#7	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#8	N/A	Replaced	No
1 1/2 x 3/4 Red. tee	BONNEY FORGE	2481	N/A	pc.#23	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#9	N/A	Replaced	No
2 x 1 1/2 Red. insert	BONNEY FORGE	DC58	N/A	pc.#26	N/A	Replaced	No
2" 90 Deg. Ell.	BONNEY FORGE	2519	N/A	pc.#17	N/A	Replaced	No
1" Pipe	QUANEX	282922	N/A	pc.#10	N/A	Replaced	No
1" Plug Valve	XOMOX	R353	N/A	pc.#28	N/A	Replaced	No
1" Pipe	QUANEX	282922	N/A	pc.#11	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#12	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#29	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#14	N/A	Replaced	No

## FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic ☒Inspection ☐Nominal Operating Pressure ☐Other ☐

Pressure 100

ps

Test Temp. Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Signed

*R. E. Simpson*  
*R. E. Simpson*  
 4/15/90

Lead Tech. Installation Insp.

Date

2/5/90

## 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 Province of Pennsylvania and employed by Hartford Steam Boiler Insp. & Ins. Co.

the examinations conducted in the Owner's Report during the dates 12/1/87 to 2/7/90 and since that to the best of my knowledge and belief, the Owner has corrected deficiencies and taken corrective measures described in the 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 the 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.

*W. E. Simpson*  
*W. E. Simpson*

Commissioner

PA 2463 NB 2592

Date

Feb. 7

19

90



# 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 5, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 2 of 3
2. Plant Reactor Bottom Atomic Power Station Unit 3  
Contra, PA 17314 Phila. Electric NED, Mod 2106
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 71	Year Built	Required, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore C-Core Spray							
2" Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" 90 Deg. Ell.	BONNEY FORGE	2519	N/A	pc.#7	N/A	Replaced	No
2 x 1 1/2 Red. insert	BONNEY FORGE	DA24	N/A	pc.#13	N/A	Replaced	No
1 1/2" Pipe	QUANEX	295192	N/A	pc.#15	N/A	Replaced	No
1 1/2" R F Flange	LADISH	RR2R	N/A	pc.#16	N/A	Replaced	No
1 1/2" R F Flange	LADISH	RR2R	N/A	pc.#17	N/A	Replaced	No
1 1/2" Pipe	QUANEX	295192	N/A	pc.#2	N/A	Replaced	No
1 1/2 x 3/4 Red tee	BONNEY FORGE	2481	N/A	pc.#12	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#4	N/A	Replaced	No
1 1/2" F F Flange	COFFER	AMWQ	N/A	pc.#11	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#5	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#14	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

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

Order Philadelphia Electric Company  
2501 Market St. Philadelphia, PA 19101

DATE February 27, 1990  
PAGE 2 OF 3

2. PLANT DeSob System Atomic Power Station  
DATE 01-0014

Mod 2106

Work performed by	1994-1995	1995-1996	1996-1997	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029	2029-2030	2030-2031	2031-2032	2032-2033	2033-2034	2034-2035	2035-2036	2036-2037	2037-2038	2038-2039	2039-2040	2040-2041	2041-2042	2042-2043	2043-2044	2044-2045	2045-2046	2046-2047	2047-2048	2048-2049	2049-2050	2050-2051	2051-2052	2052-2053	2053-2054	2054-2055	2055-2056	2056-2057	2057-2058	2058-2059	2059-2060	2060-2061	2061-2062	2062-2063	2063-2064	2064-2065	2065-2066	2066-2067	2067-2068	2068-2069	2069-2070	2070-2071	2071-2072	2072-2073	2073-2074	2074-2075	2075-2076	2076-2077	2077-2078	2078-2079	2079-2080	2080-2081	2081-2082	2082-2083	2083-2084	2084-2085	2085-2086	2086-2087	2087-2088	2088-2089	2089-2090	2090-2091	2091-2092	2092-2093	2093-2094	2094-2095	2095-2096	2096-2097	2097-2098	2098-2099	2099-2100	2100-2101	2101-2102	2102-2103	2103-2104	2104-2105	2105-2106	2106-2107	2107-2108	2108-2109	2109-2110	2110-2111	2111-2112	2112-2113	2113-2114	2114-2115	2115-2116	2116-2117	2117-2118	2118-2119	2119-2120	2120-2121	2121-2122	2122-2123	2123-2124	2124-2125	2125-2126	2126-2127	2127-2128	2128-2129	2129-2130	2130-2131	2131-2132	2132-2133	2133-2134	2134-2135	2135-2136	2136-2137	2137-2138	2138-2139	2139-2140	2140-2141	2141-2142	2142-2143	2143-2144	2144-2145	2145-2146	2146-2147	2147-2148	2148-2149	2149-2150	2150-2151	2151-2152	2152-2153	2153-2154	2154-2155	2155-2156	2156-2157	2157-2158	2158-2159	2159-2160	2160-2161	2161-2162	2162-2163	2163-2164	2164-2165	2165-2166	2166-2167	2167-2168	2168-2169	2169-2170	2170-2171	2171-2172	2172-2173	2173-2174	2174-2175	2175-2176	2176-2177	2177-2178	2178-2179	2179-2180	2180-2181	2181-2182	2182-2183	2183-2184	2184-2185	2185-2186	2186-2187	2187-2188	2188-2189	2189-2190	2190-2191	2191-2192	2192-2193	2193-2194	2194-2195	2195-2196	2196-2197	2197-2198	2198-2199	2199-2200	2200-2201	2201-2202	2202-2203	2203-2204	2204-2205	2205-2206	2206-2207	2207-2208	2208-2209	2209-2210	2210-2211	2211-2212	2212-2213	2213-2214	2214-2215	2215-2216	2216-2217	2217-2218	2218-2219	2219-2220	2220-2221	2221-2222	2222-2223	2223-2224	2224-2225	2225-2226	2226-2227	2227-2228	2228-2229	2229-2230	2230-2231	2231-2232	2232-2233	2233-2234	2234-2235	2235-2236	2236-2237	2237-2238	2238-2239	2239-2240	2240-2241	2241-2242	2242-2243	2243-2244	2244-2245	2245-2246	2246-2247	2247-2248	2248-2249	2249-2250	2250-2251	2251-2252	2252-2253	2253-2254	2254-2255	2255-2256	2256-2257	2257-2258	2258-2259	2259-2260	2260-2261	2261-2262	2262-2263	2263-2264	2264-2265	2265-226
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4. IDENTIFICATION OF SYSTEM: Emergency Service Water, Mechanical System No. 22

5. a) Applicable Construction Code ASME 1992 b) Edition Winter '81 c) Agency N/A d) Code ASME

51. Applicable Edition of Section 30 Utilized for Repairs or Replacements 19 80 Winter 1981 Agency NEC 200 Case

### 5. Identification of Components Required or Redundant and Replacement Components

[illegible]

## FORM NIS-2 (Back)

1. Tests Conducted

Hydrostatic



Insulated



Normal Operating Pressure



Other



Pressure 102

PS

Test Temp.

Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

*R. H. Chapman*  
*R. H. Chapman*  
 215790

Lead Techn. Installation Engr.

Date

2/5

90

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid certification issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania and employed by Hartford Steam Boiler Inspr. +

Inspr.

the examinations conducted in the Owner's Report during the dates 12/1/87 to 2/7/90 and deem this to the best of my knowledge and belief. The Owner has permitted examinations and taken corrective measures described in the 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 the 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.

*A. F. Eubank*  
 A. F. Eubank

Certification

PA 2163 NB 7592

Date

Feb 7

19


90



# 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 5, 1993  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Beach Bottom Atomic Power Station Unit 3  
Delta, P# 17314 Phila. Electric NED, Mod 2106  
Under Construction, P.D. No. 100, Rev. 10.
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III, 80 Edition Winter '81 Addenda N/A Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case \_\_\_\_\_
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 72	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped: Yes or No
Small Bore C-Core Spray							
1 1/2" F F Flange	COFFER	AMWQ	N/A	pc.#15	N/A	Replaced	No
1 1/2" Pipe	QUANEX	286842	N/A	pc.#6	N/A	Replaced	No
2 x 1 1/2 Red. insert	BONNEY FORGE	DC58	N/A	pc.#14	N/A	Replaced	No
2" 90 Deg. Ell.	LADISH	XT2M	N/A	pc.#9	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2 x 3/4 Red Tee	BONNEY FORGE	W727	N/A	pc.#13	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#7	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#18	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#19	N/A	Replaced	No
2" R.F Flange	COFFER	AJLE	N/A	pc.#20	N/A	Replaced	No
2" R F Flange	COFFER	AJLE	N/A	pc.#21	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

As Required by the Provisions of the ASME Code Section XI

Mod 2106

#### 5. Identification of Components Required or Redundant and Replacement Components

[illegible]

## FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic ☒Inspection ☐Nominal Operating Pressure ☐Other ☐Pressure 102 psTest Temp. Ambient °F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NoneCertificate of Authorization No. NoneExpiration Date N/A

Signed

R. H. Hoffman  
 Lead Mech. Installation Insp.  
 Date 2/5 '90

## 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 Hartford Steam Boiler TWP + Ins. Co.

the examinations conducted in the Owner's Report during the dates 12/1/88 to 2/9/90 and since that to the best of my knowledge and belief, the Owner has complied examinations and taken corrective measures according to the 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 conducted in the Owner's Report. Furthermore, neither the inspector nor his employer shall be held in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

M. Furman  
 Inspector's Signature

Commission No.

PA 2143 NB 7592

Date

Feb 9

19


90



# 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 5, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Reagan Bottom Atomic Power Station Unit 2  
Delta, PA 17314 Phila. Electric NED, Mod 2106
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-80 Edition Winter '81 Addenda N/A Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda 1-208 Code Case \_\_\_\_\_
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 73 	Year Built	Required, Repaired, or Replacement	ASME Code Stamped (Yes or No)
Small Bore C-Core Spray							
2" Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" 90 Deg. Ell.	LADISH	BB7S	N/A	pc.#10	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" 90 Deg. Ell.	BONNEY FORGE	2519	N/A	pc.#11	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#3	N/A	Replaced	No
2" Plug Valve	XOMOX	R352K	N/A	pc.#18	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#4	N/A	Replaced	No
2" R F Flange	COFFER	AJLE	N/A	pc.#23	N/A	Replaced	No
2" R F Flange	COFFER	AJLE	N/A	pc.#22	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#21	N/A	Replaced	No
2 x 3/4 Red. tee	BONNEY FORGE	W727	N/A	pc.#16	N/A	Replaced	No
2" Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

As Required by the Provisions of the ASME Code Section XI

DATE February 1890

Sheet 2 of 3

Page 2

Mod 2106

~~Physics, Electric Nuclear Engineering~~  
~~Lower Grade Division, P.O. Box 418, St. Louis, Mo.~~ Dept.

1990

5. 81 ADDITIONAL CONSTRUCTION CASE ASME III '80 Edition Winter '81 Agency: N/A Case Case

b) Applicable Edition of Section 30 Utilized for Reports or Recommendations is 80, Winter '81 ACCORDS N-308 Case Case

#### 5. Identification of Components Affected or Replaced and Replacement Components

336

## FORM NIS-2 (Back)

1. Tests Conducted:

HYDROSTATIC



PNEUMATIC



Nominal Operating Pressure



Color



Pressure 100

ps

Test Temp.

Ambient

°F

2. Remarks

N/A

## 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.

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

R. H. Hoffman Lead Tech. Installation Team  
 R. H. Hoffman 216710

## 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 Hackensack Steam Boiler Insp. & Ins. Co.

the commission(s) assigned in this Owner's Report during the period 12/1/87 to 2/7/90 and since that to the best of my knowledge and belief, the Owner has corrected deficiencies 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 deficiencies 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.

A. E. Fink  
 Inspector's Signature

Commission No.

PA 2143 NB 7592

Date

Feb. 7

19

90



# 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 2, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Reach Bottom Atomic Power Station Unit 3  
Chiba, PA 17314 Phila. Electric NED, Mod 2106
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III is 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Assessments is 80 Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes or No
Small Bore C-Core Spray				FSK-M-3033 Sheet 74			
1/2" F F Flange	COFFER	AMWQ	N/A	pc.#14	N/A	Replaced	No
1/2" Pipe	SHARON TUBE	W70910	N/A	pc.#9	N/A	Replaced	No
3/4 x 1/2 Red. insert	BONNEY FORGE	DA95	N/A	pc.#18	N/A	Replaced	No
3/4" Tee	BONNEY FORGE	2397A	N/A	pc.#13	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#1	N/A	Replaced	No
3/4" 90 Deg. Ell.	BONNEY FORGE	2434A	N/A	pc.#10	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#2	N/A	Replaced	No
3/4" Plug Valve	XOMOX	R353	N/A	pc.#19	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#3	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#4	N/A	Replaced	No
3/4" Plug Valve	XOMOX	SP-R354-K	N/A	pc.#20	N/A	Replaced	No
3/4" Pipe	QUANEX	268672	N/A	pc.#6	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

As Required by the Provisions of the ASME Code Section XI

2001 Market St. Philadelphia, PA 19101

Page 2 of 3

Cont. 34 - 35:4

~~THIS ELECTRIC NUCLEAR ENGINEERING~~  
~~REAR COVER SHEET, P. 6, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840,~~

2201 Market St. Philadelphia, PA. 19101

4. certification of System Emergency Service Water, Mechanical System No. 22

5. (a) APPLICABLE CONVERSION CASE SME '77 '80 80 Spring, Winter '81 Agency: N/A Case Case

b) Applicable Edition of Section A) Utilized for Awards or Recommendations is 80, Winter '81 Awards: N-308 Case: 200 Case: 200

### 5. Identification of Components Required or Released and Replacement Components

[illegible]

FORM NIS-2 (Back)

1. Test Conclusion:

Hydrostatic

☒

Insulated

☐

Nominal Operating Pressure

☐

Other

☐

Pressure 102

PS

Test Temp.

Ambient

☐

2. Remarks

*2/3*

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None

Certificate of Authorization No. None

Expiration Date N/A

Signed *R. L. Simpson* Lead Techn. Installation Insp. Date 2/5 '90  
*R. L. Simpson* 2/5/90

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 Hartford Steam Boiler Inspect have inspected

the components described in the Owner's Report during the period 12/1/87 to 2/7/90 and deem this to the best of my knowledge and belief, the Owner has corrective examinations and taken corrective measures described in the 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 the 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.

*R. L. Simpson*  
Inspector's Signature

Commission PA 2163 NB 7592


Date Feb 7 19 90



# 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 5, 1960  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 2
2. Plant Reagan Bottom Atomic Power Station Unit 3  
Code. PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P. 2, Vol. 100, No. 10
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component Small Bore C-Core Spray	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 75 	Year Built	Required, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1" Pipe	QUANEX	282922	N/A	pc.#1	N/A	Replaced	No
1" Plug Valve	XOMOX	R353	N/A	pc.#7	N/A	Replaced	No
1" Pipe	QUANEX	282922	N/A	pc.#2	N/A	Replaced	No
1" Pipe	QUANEX	282922	N/A	pc.#3	N/A	Replaced	No
1" Plug Valve	XOMOX	R353	N/A	pc.#8	N/A	Replaced	No
1" Plug	QUANEX	282922	N/A	pc.#4	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

## FORM NIS-2 (Back)

1. Tests Conducted

Hydrostatic



Breumatic



Nominal Operating Pressure



Other



Pressure 102

ps

Test Temp.

Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

None

Certificate of Authorization No.

None

Expiration Date

N/A

Signed

*R. Thompson*  
*R. Haffner*  
 2/5/90

Lead Mech. Installation Insp.

Date

2/5

:

90

## 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 Province of Pennsylvania and employed by Hood & Steam Boiler Inc.

Am Ins. Co.

the examinations conducted in the Owner's Report during the dates

12/1/87

to 2/7/90

and ended

due to the date of my knowledge and belief, the Owner has corrected deficiencies and taken corrective measures described in the 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 the 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.

*M. F. ...*  
 Inspector's Signature

Commission

PA 2163 NB 7592

Date

Feb. 7


19

90

# 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 5, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Peach Bottom Atomic Power Station Unit 3  
Cerra, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P.C. No. 108, Rev. 10
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-1980 Edition Winter '81 Agency N/A Code Case \_\_\_\_\_  
 (b) Applicable edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Agency N-308 Code Case \_\_\_\_\_
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Pore D-Core Spray				Dwg. FSK-M-3033 Sheet 23 			
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#1	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	139701	N/A	pc.#2	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#3	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#5	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#6	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#7	N/A	Replaced	No
1/2" Sch. 80 Pipe	SHARON TUBE	W70910	N/A	pc.#8	N/A	Replaced	No
3/4" 3000# 90 deg. Ell.	BONNEY FORGE	P751	N/A	pc.#9	N/A	Replaced	No
3/4" 3000# Tee	BONNEY FORGE	Z397A	N/A	pc.#12	N/A	Replaced	No
3/4" 150# R. F. Flange	COFFER	AJGZ	N/A	pc.#13	N/A	Replaced	No
3/4" 150 R. F. Flange	WFI NUCLEAR PRODUCTS	282RNT	N/A	pc.#14	N/A	Replaced	No
1/2" 150 F.F. Flange	COFFER	AMWQ	N/A	pc.#15	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



1. Owner Philadelphia Electric Company  
2301 Market St. Philadelphia, PA 19101

2. Plant Peach Bottom Atomic Power Station  
Calts, PA 17314

3. Work Performed by Philadelphia Electric Company  
2301 Market St. Philadelphia, PA, 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III '80 Edition Winter '81 Addenda N/A Code Case \_\_\_\_\_  
(b) Applicable Edition of Section XI Utilized for Repair or Replacement is 80, Winter '81 Addenda N-308 Code Case \_\_\_\_\_

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

Case Exchange 1980  
Sheet 2 of 3  
Unit 3  
Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.

344

D-Core Spray FSK-M-3033 Sht. 23

## FORM NIS-2 (Back)

1. Tests Conducted: HYDROSTATIC ☒ INSURANCE ☐ NOMINAL OPERATING PRESSURE ☐  
 OTHER ☐ \_\_\_\_\_  
 Pressure 102 ps Test Temp. Ambient °F

2. Remarks N/A

## 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.

Type Code Symbol Stamp None

Certificate of Authorization No. None Expiration Date N/A

Signed R. Simpson Lead Mech. Installation Engr. Date 2/5/90  
R. Simpson 2/5/90

## 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 Province of Pennsylvania and employed by Hartford Steam Boiler Iron Works Co. have inspected the components described in the Owner's Report during the dates 12/1/87 to 2/7/90 and based this to the best of my knowledge and belief, the Owner has corrected deficiencies and taken corrective measures described in the 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 the 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.

R. Simpson Commission PA 2143 NB 7592  
 Date Feb. 7 19 90

**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 5, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 2


2. Plant Peach Bottom Atomic Power Station Unit 3  
Delco, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction, P. O. Box 100, Delco, PA

3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III-80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case

6. Identification of Components Repaired or Replaced and Reassessment Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore D-Core Spray				FSK-M-3033 Sheet 24 			
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#1	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#2	N/A	Replaced	No
2" Sch. 80 Pipe	QUANEX	296112	N/A	pc.#5	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#7	N/A	Replaced	No
3/4" Sch. 80 Pipe	QUANEX	268672	N/A	pc.#8	N/A	Replaced	No
2" 3000# 90 Deg. Ell.	LADISH	BB7S	N/A	pc.#9	N/A	Replaced	No
2" 3000# 90 Deg. Ell.	BONNEY FORGE	Z749	N/A	pc.#11	N/A	Replaced	No
2" x 3/4" 3000# Red. Tee.	BONNEY FORGE	W727	N/A	pc.#16	N/A	Replaced	No
3/4" 150# Plug Valve	XOMOX	R353	N/A	pc.#17	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



## FORM NIS-2 (Back)

## 1. Tests Conducted

Hydrostatic



Pneumatic



Nominal Operating Pressure



Other



Pressure 102

psi

Test Temp.

Ambient

°F

## 2. Remarks

N/A

## 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.

Type Code Symbol Stamp NoneCertificate of Authorization No. NoneExpiration Date N/A

Signed

*R. Simpson*  
*R. Hoffmann*  
 2/5/90

Lead Mech. Installation Engr.

Date

2/5

19 90

## 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 Hartford Steam Boiler Insp. + Ins. Co. have inspected the components described in this Owner's Report during the period 12/1/87 to 2/7/90 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

Commission

PA 2163 NB 7022

Date

Feb. 7

19 90

# 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  
2301 Market St. Philadelphia, PA 19101
2. Plant Peach Bottom Atomic Power Station  
Certa, PA 17314
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III is 80 Edition Winter '81 Addenda N/A Code Case  
(b) Applicable Edition of Section XI Utilizes for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component Small Bore D-Core Spray	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification PSK-M-3033 Sheet 25	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #1	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #3	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #4	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #5	N/A	Replaced	No
1 1/2" Sch. 80 pipe	QUANEX	295192	N/A	PC #7	N/A	Replaced	No
1 1/2" Sch. 80 pipe	QUANEX	295192	N/A	PC #8	N/A	Replaced	No
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #9	N/A	Replaced	No
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #10	N/A	Replaced	No
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #11	N/A	Replaced	No
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #12	N/A	Replaced	No
2" 45deg. 3000# ell	BONNEY FORGE	2584	N/A	PC #13	N/A	Replaced	No
2" 45deg. 3000# ell	BONNEY FORGE	2584	N/A	PC #15	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

# 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 5, 1990  
2201 Market St., Philadelphia, PA 19101 Sheet 2 of 3
2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III '80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80 Winter '81 Addenda N-308 Code Case
6. Identification of Components Required or Replaced and Replacement Components

Name of Component Small Bore D-Core Spray	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 25 ⚠	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
11/2" 150 F.F. Flg.	COFFER	AMWQ	N/A	PC #19	N/A	Replaced	No
11/2" 150 F.F. Flg.	COFFER	AMWQ	N/A	PC #20	N/A	Replaced	No
2"x3/4" Red. Tee	BONNEY FORGE	W358	N/A	PC #23	N/A	Replaced	No
2"x3/4" Red. Tee	BONNEY FORGE	W358	N/A	PC #24	N/A	Replaced	No
2"x11/2" 3000# Red. Inst.	BONNEY FORGE	DA24	N/A	PC #25	N/A	Replaced	No
2"x11/2" Red Insert	BONNEY FORGE	DA24	N/A	PC #26	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	PC #27	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	PC #28	N/A	Replaced	No
11/2" Sch. 80 pipe	QUANEX	295192	N/A	PC #29	N/A	Replaced	No
11/2" Sch. 80 pipe	QUANEX	295192	N/A	PC #30	N/A	Replaced	No
11/2" 45deg. ell	BONNEY FORGE	Z666	N/A	PC #31	N/A	Replaced	No
11/2" 45deg. ell	BONNEY FORGE	Z666	N/A	PC #32	N/A	Replaced	No



## FORM NIS-2 (Back)

2. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ \_\_\_\_\_  
 Pressure 102 psi Test Temp. Ambient °F

3. Remarks N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## 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

Type Code Symbol Stamp None  
 Certificate of Authorization No. None Expiration Date N/A  
 Signed R H Hoffman Lead Mech. Installation Engr. Date 2/5 19 90  
2/5/90

## 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 Hartford Steam Boiler Insp. have inspected the components described in this Owner's Report during the period 12/1/87 to 2/2/90 and state that to the best of my knowledge and belief, the Owner has permitted 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 2163 NB 7592  
 Date Feb 2 19 90

# 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 5, 1990  
2201 Market St., Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
ASME Code Section XI, Part 2, Subsection 112
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III, 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped: Yes or No
Small Bore D-Core Spray				FSK-M-3033 Sheet 84 2			
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #1	N/A	Replaced	No
2"x3/4" Red Tee	BONNEY FORGE	W358	N/A	PC #18	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #2	N/A	Replaced	No
2" 150# R. F. Flange	COFFER	AJLE	N/A	PC #14	N/A	Replaced	No
2" 150# R. F. Flange	COFFER	AJLE	N/A	PC #15	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #3	N/A	Replaced	No
2" 150# R. F. Flange	COFFER	AJLE	N/A	PC #16	N/A	Replaced	No
2" 150# R. F. Flange	COFFER	AJLE	N/A	PC #17	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #4	N/A	Replaced	No
2" Tee	LADISH	L980	N/A	PC #13	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #5	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #6	N/A	Replaced	NO

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

As Required by the Provisions of the ASME Code Section XI

Unit 3  
Mod 2106  
Phila. Electric Nuclear Engineering  
Local Organization # 2106, 2106, 2106 Dept.

#### 5. Identification of Components Required or Replaced and Replacement Components



## FORM NIS-2 (Back)

3. Tests Conducted:

Hydrostatic



Pressure



Normal Operating Pressure



Other



Pressure

102

ps

Test Temp.

Ambient

°F

4. Remarks

N/A

## 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.

Type Code Symbol Stamp NoneCertificate of Authorization No. None

Expiration Date

N/A

Signed

*R. Hoffman*  
R. Hoffman 2/5/90

Lead Mech. Installation Engr.

Date

2/5

19

90

## 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 Province of Pennsylvania and employed by Hoffman Steam Boilers Insp. have inspected the components described in the Owner's Report during the period 12/1/87 to 2/7/90 and deem that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 the 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.

*R. Hoffman*  
R. Hoffman  
Date Feb 7 19 90

Commission No.

PA 2163 NB 7592

NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS



As Required by the Provisions of the ASME Code Section XI

2201 Market St., Philadelphia, PA 19101

Sheet 2 of 3

Calla. #4 - 314

Unit 3  
Mod 2106

2301 Market St. Philadelphia, PA. 19101

4. Identification of System: Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III 19 80 Edition Winter '81 Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 License N-308 Case Case

### 5. Identification of Components Required or Replaced and Replacement Components

[illegible]



## FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic



Pneumatic



Normal Operating Pressure



Other



Pressure 102

psi

Test Temp.

Ambient

°F

2. Remarks

N/A

## CERTIFICATE OF COMPLIANCE

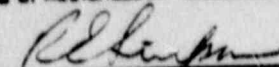
We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NoneCertificate of Authorization No. None

Expiration Date

N/A

Signed

  
 R. H. Hoffman  
 2/7/90

Lead Mech. Installation Engr.

Date

2/5

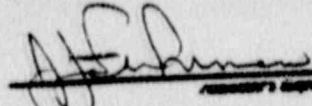
19

90

## 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 Hartford Steam Boilers Insp. have inspected the components described in this Owner's Report during the dates 12/1/87 to 2/7/90 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.

  
 R. H. Hoffman

Commissioner

PA 2163 NB 7592

National Board, State, Province, and Certification

Date

Feb 7

19

90

# 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 5, 1990  
2301 Market St., Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Peaen Bottom Atomic Power Station Unit 3  
Delta, PA 17314
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore D-Core Spray				FSK-M-3033 Sheet 86			
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #1	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	PC #18	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #2	N/A	Replaced	No
2" Thr'd Cap	BONNEY FORGE	DD18	N/A	PC #20	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #3	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	PC #19	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #4	N/A	Replaced	No
2" Thr'd Cap	BONNEY FORGE	DD18	N/A	PC #21	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #5	N/A	Replaced	No
2" 90 deg. ell	LADISH	BB75	N/A	PC #13	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #7	N/A	Replaced	No
2" 90 deg. ell	LADISH	BB75	N/A	PC #14	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**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 5, 1990  
2201 Market St., Philadelphia, PA 19101 Sheet 2 of 3

2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta #4 17314 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.

3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA, 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III 19 80 Edition, Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case

5. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 86	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore D-Core Spray							
2" Sch. 80 pipe	QUANTEX	296112	N/A	PC #8	N/A	Replaced	No
2" Tee	BONNEY FORGE	2755	N/A	PC #16	N/A	Replaced	No
2"x1 1/2" Red Tee	BONNEY FORGE	DA24	N/A	PC #23	N/A	Replaced	No
1 1/2" Sch. 80 pipe	QUANEX	295192	N/A	PC #9	N/A	Replaced	No
1 1/2" 150# F. F. Flange	COFFER	AMWQ	N/A	PC #17	N/A	Replaced	No
2"x3/4" Red Insert	BONNEY FORGE	DC75	N/A	PC #24	N/A	Replaced	No
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #10	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	PC #25	N/A	Replaced	No
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #11	N/A	Replaced	No
3/4" 90 deg. ell	BONNEY FORGE	P642	N/A	PC #29	N/A	Replaced	No
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #30	N/A	Replaced	No
2" 150# R. F. Flange	COFFER	ABSF	N/A	PC #26	N/A	Replaced	No
2" 150# R. F. Flange	COFFER	ABSF	N/A	PC #27	N/A	Replaced	No
X 2" Sch. 80 pipe	QUANEX	296112	N/A	PC #28	N/A	Replaced	No



## FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic



Pneumatic



Nominal Operating Pressure



Other



Pressure 102

ps

Test Temp.

Ambient

°F

3. Remarks

N/A

## 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.

Type Code Symbol Stamp NoneCertificate of Authorization No. NoneExpiration Date N/A

Signed

R. L. Simpson  
R. L. Simpson Lead Mech. Installation Engr.  
 2/10/90

Date

2/5 1990

## 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 Hoodford Steam Boilers Insp. have inspected the components described in this Owner's Report during the period 12/1/87 to 2/7/90 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.

M. F. Sullivan  
 Inspector's Signature

Commission No.

PA-2163 NB7592


Date

Feb. 7 1990

# 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 5, 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106  
Under Construction # 2, No. 100 No. 11
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III, 1980 Edition, Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes or No
Small Bore D-Core Spray				FSK-M-3033 Sheet 87 			
1" Sch. 80 pipe	QUANEX	282922	N/A	PC #7	N/A	Replaced	No
1" plug valve	XOMOX	R353	N/A	PC #22	N/A	Replaced	No
1" Sch. 80 pipe	QUANEX	282922	N/A	PC #6	N/A	Replaced	No
1" 90 deg. ell	BONNEY FORGE	DB34	N/A	PC #13	N/A	Replaced	No
1" Sch. 80 pipe	QUANEX	282922	N/A	PC #5	N/A	Replaced	No
2"x1" Red Insert	LADISH	BY30	N/A	PC #21	N/A	Replaced	No
2"x1 1/2" Red Tee	BONNEY FORGE	WA89	N/A	PC #17	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #1	N/A	Replaced	No
2"x3/4" Red Tee	BONNEY FORGE	W358	N/A	PC #18	N/A	Replaced	No
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #8	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	PC #23	N/A	Replaced	No
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #9	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

As Required by the Provisions of the ASME Code Section XI

Date February 5, 1940  
Sheet 2 of 3

Unit 3  
Mod 2106  
Phila. Electric Nuclear Engineering  
Local Organization: P. E. N. E. N. E. Dept.

4. Identification of System Emergency Service Water, Mechanical System No. 33

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 19 80, Winter '81 Addenda: N-308 Case Case

#### 5. Identification of Components Repaired or Replaced and Replacement Components

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## FORM NIS-2 (Back)

3. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ \_\_\_\_\_  
 Pressure 102 psi Test Temp. Ambient °F

4. Remarks N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## 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.

Type Code Symbol Stamp None

Certificate of Authorization No. None Expiration Date N/A

Signed R. H. Thompson Lead Mech. Installation Engr. Date 2/5 19 90  
R. H. Thompson 215790

## 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 Hartford Steam Boiler Insp. have inspected the components described in the Owner's Report during the period 12/1/88 to 2/9/90 and issue this to the best of my knowledge and belief. The Owner has performed examinations and taken corrective measures described in the 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.

R. H. Thompson Commission A-2163 NB 7542  
 Date Feb. 9 19 90

# 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 5, 1990  
2301 Market St. Philadelphia, PA 19101 Sheet 1 of 4
2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Phila. Electric NED, Mod 2106
3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III: 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped: Yes or No
Small Bore D-Core Spray				FSK-M-3033 Sheet 88 			
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #1	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	PC #23	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #2	N/A	Replaced	No
2" Thr'd Cap.	BONNEY FORGE	DD18	N/A	PC #26	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #3	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	PC #24	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #4	N/A	Replaced	No
2" Thr'd Cap	BONNEY FORGE	DD18	N/A	PC #27	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #5	N/A	Replaced	No
2" 90 deg. ell	BONNEY FORGE	Z749	N/A	PC #17	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #7	N/A	Replaced	No
2" Lateral	BONNEY FORGE	W797	N/A	PC #25	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves

# 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 5, 1980  
2301 Market St., Philadelphia, PA 19101 Sheet 2 of 4  
 2. Plant Peach Bottom Atomic Power Station Unit 3  
Delta, #4, #314 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.  
 3. Work Performed by Philadelphia Electric Company  
2301 Market St., Philadelphia, PA, 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Construction Code ASME III 19 80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81, Addenda N-208 Code Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 88	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore D-Core Spray							
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #8	N/A	Replaced	No
2" Thr'd Cap	BONNEY FORGE	DD18	N/A	PC #28	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #9	N/A	Replaced	No
2" 90. deg. ell	LADISH	BB7S	N/A	PC #18	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #10	N/A	Replaced	No
2" 90 deg. ell	BONNEY FORGE	Z749	N/A	PC #19	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #33	N/A	Replaced	No
2" 150# R. F. Flange	COFFER	ABSF	N/A	PC #34	N/A	Replaced	No
2" 150# R. F. Flange	COFFER	ABSF	N/A	PC #35	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #11	N/A	Replaced	No
2"x3/4" Red. Tee	BONNEY FORGE	W358	N/A	PC #30	N/A	Replaced	No
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #14	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	PC #32	N/A	Replaced	No
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #15	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #12	N/A	Replaced	No



As Required by the Provisions of the ASME Code Section XI

2201 Market St. Philadelphia, PA 19101

Sheet 3 of 4

Celta. #A 17314

Phila. Electric Nuclear Engineering  
 Radio Corporation P.O. Box 128 Phila. Pa. Dept.

2301 Market St. Philadelphia, PA. 19101

Emergency Service Water, Mechanical System No. 33

(a) Applicable Construction Code ASME III 19 80 Edition, Winter '81 Agenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Agency: N-308 Case Case

#### 5. Identification of Components Required or Replaced and Replacement Components

[illegible]

## FORM NIS-2 (Back)

1. Tests Conducted: ☒ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ \_\_\_\_\_  
 Pressure 102 ps Test Temp. Ambient °F

2. Remarks N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
\*ASME Manufacturer's Data Records is on display

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp None  
 Certificate of Authorization No. None Expiration Date N/A  
 Signed R. Simpson Lead Mech. Installation Engr. Date 2/5 19 90  
E. Hoffman 210790

## 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 Hartford Steam Boiler Inspr. & Eng. Co. have inspected the components described in the Owner's Report during the period 12/1/87 to 2/7/90 and deem that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 the Owner's Report. Furthermore, neither the inspector nor his employer shall be held 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 21063 NB 7592  
 Date Feb. 7 19 90

# 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  
2201 Market St. Philadelphia, PA 19101

Date February 5, 1990  
 Sheet 2 of 4

2. Plant Peach Bottom Atomic Power Station  
Delta, PA 17314

Unit 3  
Phila. Electric NED, Mod 2106  
ASME Code Section XI, Part 1, Subpart 1


3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101

4. Description of System Emergency Service Water, Mechanical System No. 73

5. (a) Applicable Construction Code ASME III's 80 Edition Winter '81 Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-208 Code Case

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)
Small Bore D-Core Spray		or		FSK-M-3033 Sheet 89 			
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #10	N/A	Replaced	No
2"x3/4" Red Tee	BONNEY FORGE	W358	N/A	PC #28	N/A	Replaced	No
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #12	N/A	Replaced	No
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #13	N/A	Replaced	No
3/4" plug valve	XOMOX	R353	N/A	PC #35	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #9	N/A	Replaced	No
2" Tee	BONNEY FORGE	Z755	N/A	PC #22	N/A	Replaced	No
2"x3/4" Re. Insert	BONNEY FORGE	DC75	N/A	PC #29	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #8	N/A	Replaced	No
2" 150# R. F. Flange	COFFER	AJLE	N/A	PC #26	N/A	Replaced	No
2" 150# R. F. Flange	COFFER	AJLE	N/A	PC #25	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #7	N/A	Replaced	No

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves



**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 5, 1990  
1201 Market St., Philadelphia, PA 19101 Sheet 2 of 4  
 2. Plant Peach Bottom Atomic Power Station Unit 3  
Date: #1 17314 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.  
 3. Work Performed by Philadelphia Electric Company  
1201 Market St., Philadelphia, PA 19101  
 4. Identification of System Emergency Service Water, Mechanical System No. 33  
 5. (a) Applicable Construction Code ASME III '80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case  
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Bore D-Core Spray				FSK-M-3033 Sheet 89 			
2" 90 deg. ell	BONNEY FORGE	2749	N/A	PC #17	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #6	N/A	Replaced	No
2" 150# R. F. Flange	COFFER	AJLE	N/A	PC #24	N/A	Replaced	No
2" 150# R. F. Flange	COFFER	AJLE	N/A	PC #23	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #5	N/A	Replaced	No
2" Tee	BONNEY FORGE	2755	N/A	PC #20	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #2	N/A	Replaced	No
2" plug valve	XOMOX	SP-R353K	N/A	PC #32	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #38	N/A	Replaced	No
2" 150# R. F. Flange	COFFER	ABSF	N/A	PC #37	N/A	Replaced	No
2" 150# R. F. Flange	COFFER	ABSF	N/A	PC #36	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #1	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #3	N/A	Replaced	No
2" plug valve	XOMOX	SP-R352K	N/A	PC #33	N/A	Replaced	No
2" Sch. 80 pipe	QUANEX	296112	N/A	PC #39	N/A	Replaced	No

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

Owner Philadelphia Electric Company  
40700  
2201 Market St., Philadelphia, PA 19101

Date February 5, 1990  
Sheet 3 of 4

Project Bottom Atomic Power Station

Unit 3  
Mod 2106  
Phil. Electric Nuclear Engineering  
Power Generation, # 2, 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st, 32nd, 33rd, 34th, 35th, 36th, 37th, 38th, 39th, 40th, 41st, 42nd, 43rd, 44th, 45th, 46th, 47th, 48th, 49th, 50th, 51st, 52nd, 53rd, 54th, 55th, 56th, 57th, 58th, 59th, 60th, 61st, 62nd, 63rd, 64th, 65th, 66th, 67th, 68th, 69th, 70th, 71st, 72nd, 73rd, 74th, 75th, 76th, 77th, 78th, 79th, 80th, 81st, 82nd, 83rd, 84th, 85th, 86th, 87th, 88th, 89th, 90th, 91st, 92nd, 93rd, 94th, 95th, 96th, 97th, 98th, 99th, 100th, 101st, 102nd, 103rd, 104th, 105th, 106th, 107th, 108th, 109th, 110th, 111th, 112th, 113th, 114th, 115th, 116th, 117th, 118th, 119th, 120th, 121st, 122nd, 123rd, 124th, 125th, 126th, 127th, 128th, 129th, 130th, 131st, 132nd, 133rd, 134th, 135th, 136th, 137th, 138th, 139th, 140th, 141st, 142nd, 143rd, 144th, 145th, 146th, 147th, 148th, 149th, 150th, 151st, 152nd, 153rd, 154th, 155th, 156th, 157th, 158th, 159th, 160th, 161st, 162nd, 163rd, 164th, 165th, 166th, 167th, 168th, 169th, 170th, 171st, 172nd, 173rd, 174th, 175th, 176th, 177th, 178th, 179th, 180th, 181st, 182nd, 183rd, 184th, 185th, 186th, 187th, 188th, 189th, 190th, 191st, 192nd, 193rd, 194th, 195th, 196th, 197th, 198th, 199th, 200th, 201st, 202nd, 203rd, 204th, 205th, 206th, 207th, 208th, 209th, 210th, 211st, 212nd, 213th, 214th, 215th, 216th, 217th, 218th, 219th, 220th, 221st, 222nd, 223rd, 224th, 225th, 226th, 227th, 228th, 229th, 230th, 231st, 232nd, 233rd, 234th, 235th, 236th, 237th, 238th, 239th, 240th, 241st, 242nd, 243rd, 244th, 245th, 246th, 247th, 248th, 249th, 250th, 251st, 252nd, 253rd, 254th, 255th, 256th, 257th, 258th, 259th, 260th, 261st, 262nd, 263rd, 264th, 265th, 266th, 267th, 268th, 269th, 270th, 271st, 272nd, 273rd, 274th, 275th, 276th, 277th, 278th, 279th, 280th, 281st, 282nd, 283rd, 284th, 285th, 286th, 287th, 288th, 289th, 290th, 291st, 292nd, 293rd, 294th, 295th, 296th, 297th, 298th, 299th, 300th, 301st, 302nd, 303rd, 304th, 305th, 306th, 307th, 308th, 309th, 310th, 311st, 312nd, 313th, 314th, 315th, 316th, 317th, 318th, 319th, 320th, 321st, 322nd, 323rd, 324th, 325th, 326th, 327th, 328th, 329th, 330th, 331st, 332nd, 333rd, 334th, 335th, 336th, 337th, 338th, 339th, 340th, 341st, 342nd, 343rd, 344th, 345th, 346th, 347th, 348th, 349th, 350th, 351st, 352nd, 353rd, 354th, 355th, 356th, 357th, 358th, 359th, 360th, 361st, 362nd, 363rd, 364th, 365th, 366th, 367th, 368th, 369th, 370th, 371st, 372nd, 373rd, 374th, 375th, 376th, 377th, 378th, 379th, 380th, 381st, 382nd, 383rd, 384th, 385th, 386th, 387th, 388th, 389th, 390th, 391st, 392nd, 393rd, 394th, 395th, 396th, 397th, 398th, 399th, 400th, 401st, 402nd, 403rd, 404th, 405th, 406th, 407th, 408th, 409th, 410th, 411st, 412nd, 413th, 414th, 415th, 416th, 417th, 418th, 419th, 420th, 421st, 422nd, 423rd, 424th, 425th, 426th, 427th, 428th, 429th, 430th, 431st, 432nd, 433rd, 434th, 435th, 436th, 437th, 438th, 439th, 440th, 441st, 442nd, 443rd, 444th, 445th, 446th, 447th, 448th, 449th, 450th, 451st, 452nd, 453rd, 454th, 455th, 456th, 457th, 458th, 459th, 460th, 461st, 462nd, 463rd, 464th, 465th, 466th, 467th, 468th, 469th, 470th, 471st, 472nd, 473rd, 474th, 475th, 476th, 477th, 478th, 479th, 480th, 481st, 482nd, 483rd, 484th, 485th, 486th, 487th, 488th, 489th, 490th, 491st, 492nd, 493rd, 494th, 495th, 496th, 497th, 498th, 499th, 500th, 501st, 502nd, 503rd, 504th, 505th, 506th, 507th, 508th, 509th, 510th, 511st, 512nd, 513th, 514th, 515th, 516th, 517th, 518th, 519th, 520th, 521st, 522nd, 523rd, 524th, 525th, 526th, 527th, 528th, 529th, 530th, 531st, 532nd, 533rd, 534th, 535th, 536th, 537th, 538th, 539th, 540th, 541st, 542nd, 543rd, 544th, 545th, 546th, 547th, 548th, 549th, 550th, 551st, 552nd, 553rd, 554th, 555th, 556th, 557th, 558th, 559th, 560th, 561st, 562nd, 563rd, 564th, 565th, 566th, 567th, 568th, 569th, 570th, 571st, 572nd, 573rd, 574th, 575th, 576th, 577th, 578th, 579th, 580th, 581st, 582nd, 583rd, 584th, 585th, 586th, 587th, 588th, 589th, 590th, 591st, 592nd, 593rd, 594th, 595th, 596th, 597th, 598th, 599th, 600th, 601st, 602nd, 603rd, 604th, 605th, 606th, 607th, 608th, 609th, 610th, 611st, 612nd, 613th, 614th, 615th, 616th, 617th, 618th, 619th, 620th, 621st, 622nd, 623rd, 624th, 625th, 626th, 627th, 628th, 629th, 630th, 631st, 632nd, 633rd, 634th, 635th, 636th, 637th, 638th, 639th, 640th, 641st, 642nd, 643rd, 644th, 645th, 646th, 647th, 648th, 649th, 650th, 651st, 652nd, 653rd, 654th, 655th, 656th, 657th, 658th, 659th, 660th, 661st, 662nd, 663rd, 664th, 665th, 666th, 667th, 668th, 669th, 670th, 671st, 672nd, 673rd, 674th, 675th, 676th, 677th, 678th, 679th, 680th, 681st, 682nd, 683rd, 684th, 685th, 686th, 687th, 688th, 689th, 690th, 691st, 692nd, 693rd, 694th, 695th, 696th

2. Work Performed by Philadelphia Electric Company  
2301 Market St. Philadelphia, PA. 19101

\* Identification of system: Emergency Service Water, Mechanical System N° 33

4. (a) Applicable Construction Code ASME III '9 80 Edition Winter '91 License N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Agenda N-308 See Case

#### 5. Identification of Components Required or Replaced and Replacement Components

[illegible]

D-Core Spray FSK-M-3033 Sht. 89

## FORM NIS-2 (Back)

1. Tests Conducted:

Hydrostatic



Breathless



Nominal Operating Pressure



Other



Pressure 102 ps

Test Temp. Ambient °F

2. Remarks

N/A

## 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.

Type Code Symbol Stamp NoneCertificate of Authorization No. NoneExpiration Date N/A

Signed

R. Thompson Lead Mech. Installation Engr.  
R. Hoffmann 2/5/90

## 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 Hartford Steam Boiler Insp. & Ins. Co. have inspected the components described in this Owner's Report during the period 12/1/87 to 2/17/90 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

Commissioners PA 2143 NB 7592


Date Feb 7 19 90



# 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 5, 1990  
2201 Market St. Philadelphia, PA 19101 Sheet 1 of 3
2. Plant Peach Bottom Atomic Power Station Unit 3  
Contra, PA 17314 Phila. Electric NED, Mod 2106  
ASME Code Section XI, Part 1, Subpart 1.1
3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA 19101
4. Identification of System Emergency Service Water, Mechanical System No. 33
5. (a) Applicable Construction Code ASME III-80 Edition Winter '81 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Addenda N-308 Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component Small Pipe D-Core Spray	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification FSK-M-3033 Sheet 90 	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #1	N/A	Replaced	N/A
3/4" 150# R. F. Flange	COFFER	AJGZ	N/A	PC #15	N/A	Replaced	N/A
3/4" 150# R. F. Flange	WFI	101CN	N/A	PC #16	N/A	Replaced	N/A
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #2	N/A	Replaced	N/A
3/4" plug valve	XOMOX	R353	N/A	PC #22	N/A	Replaced	N/A
3/4" Sch. 80 pipe	QUANEX	139701	N/A	PC #4	N/A	Replaced	N/A
3/4" 150# R. F. Flange	COFFER	AJGZ	N/A	PC #17	N/A	Replaced	N/A
3/4" 150# R. F. Flange	WFI	282RNT	N/A	PC #18	N/A	Replaced	N/A
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #5	N/A	Replaced	N/A
3/4" plug valve	XOMOX	SP-R354K	N/A	PC #23	N/A	Replaced	N/A
3/4" Sch. 80 pipe	QUANEX	139701	N/A	PC #7	N/A	Replaced	N/A
3/4" Tee	BONNEY FORGE	Z397A	N/A	PC #14	N/A	Replaced	N/A

7. Description of Work Replace Unit 3 Emergency Service Water Piping and Valves
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**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 5, 1990  
2201 Market St., Philadelphia, PA 19101 Sheet 2 of 3


2. Plant Reagan Bottom Atomic Power Station Unit 3  
Delta, PA 17314 Mod 2106  
Phila. Electric Nuclear Engineering  
Dept.

3. Work Performed by Philadelphia Electric Company  
2201 Market St., Philadelphia, PA, 19101

4. Identification of System Emergency Service Water, Mechanical System No. 33

5. (a) Applicable Construction Code ASME III 19 80 Edition Winter '81 Agency N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 80, Winter '81 Agency N-308 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. or Heat No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Pipe D-Core Spray				FSK-M-3033 Sheet 90 			
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #25	N/A	Replaced	N/A
3/4" 90 deg. ell	BONNEY FORGE	2573B	N/A	PC #26	N/A	Replaced	N/A
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #8	N/A	Replaced	N/A
3/4" plug valve	XOMOX	R353	N/A	PC #24	N/A	Replaced	N/A
3/4" Sch. 80 pipe	QUANEX	268672	N/A	PC #9	N/A	Replaced	N/A
3/4" x 1/2" Red Insert	CAPITOL MANUF.	044C	N/A	PC #21	N/A	Replaced	N/A
1/2" Sch. 80 pipe	SHARON TUBE	W70910	N/A	PC #10	N/A	Replaced	N/A
1/2" 150# F. F. Flange	COFFER	AMWQ	N/A	PC #19	N/A	Replaced	N/A
1/2" plate	BETHLEHEM STEEL	412K2452	N/A	H4	N/A	Replaced	N/A

## FORM NIS-2 (Back)

1. Tests Conducted: HYDRE TESTS ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ \_\_\_\_\_  
 Pressure 102 psi Test Temp. Ambient °F

2. Remarks N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## 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.

Type Code Symbol Stamp None

Certificate of Authorization No. None Expiration Date N/A

Signed R. H. Hoffman Lead Mech. Installation Engr. Date 2/5 19 90  
2/5/90

## 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 Hartford Steam Boiler Insp. & Ins. Co. have inspected the components described in this Owner's Report during the period 12/1/87 to 2/7/90 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.

R. H. Hoffman Commission PA 2163 NB 7592  
 Date Feb 7 19 90