

1. Owner Public Service Electric & Gas Co.
Name
Foot of Buttonwood Road
Hancocks Bridge, NJ 08038
Address

Date 05/27/94
Sheet 1 of 1

2. Plant Hope Creek Generating Station
Name
Same as Above

Unit 1

PH-93-089, Rev. 0 1
Repair Organization P. O. No., Job No., etc.

3. Work Performed by PSE&G Co.
Name
Same as Above
Address

Type Code Symbol Stamp NA
Authorization No. NA
Expiration Date NA

4. Identification of System - Nuclear Class 2 - Residual Heat Removal-1BC066S05A,B, 1BC075S05A,B, 1BC075S06A,B, 1BC075S27A,B, 1BC075S26A, 1BC075S25A, 1BC075S13A,B, 1BC075S14A, 1BC075S15A, B, 1BC075S17, 1BC075S16, 1BCV570, 1BCV571, 1PBC075H021

5. (a) Applicable Construction Code ASME III 19 74 Edition W74 Addenda N-302, 1606-1 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83S83

N-249-2, N-237-2,
N-275, N-316, N-71-9
1516-2, 1567, 1677
N71-15, N247, N249-9

6. Identification of Components Repaired or Replaced and Replacement

Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, or Replacement	ASME Code Stamped (Yes or No)
PIPING	PSE&G	NA	NA	NA	1994	Replacement	NO
VALVE	ANCHOR DARLING	E-6161-8-7	NA	NA	1994	Replacement	YES
VALVE	ANCHOR DARLING	E6161-9-3	NA	NA	1994	Replacement	YES
SUPPORT	LISEGA	NA	NA	NA	1994	Replacement	NO
PIPING	B.F. SHAW INC.	1-BC-075-S17	NA	NA	1994	Replacement	YES

7. Description of Work Added piping, valves & support to existing system.

8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure 525 psi Test Temp. 75 F

FORM NIS-2 (Back)

9. Remarks Reference attached. Manufacturer's Data Reports (NPP-1, QAS-14-1, NPV-1)
Applicable Manufacturer's Data Reports to be attached.

DCP: 4-EC-3411, Pkg. 01, Rev. 02

WO#: 930714223, 940204151

N5: BCA 2-1, BCA 2-2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date NA

Signed [Signature]
 Owner or Owner's Designee, Title

for, Manager
 Station QA - HC

Date October 3 1994

CERTIFICATE 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 New Jersey and employed by Arkwright Mutual Insurance Co. of Norwood, Mass. have inspected the components described in this Owner's Report during the period 2-27-94 to 10-7-94, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
 Inspector's Signature

Commissions PA 2056 NIBSIS NJ431
 National Board, State, Province, and Endorsements

Date 10-4- 19 94

FORM QAS-14-1 SUPPLEMENTAL DATA REPORT FOR NUCLEAR VALVES OR PARTS

1. Work performed by Anchor/Darling Valve Company RT769-2
 701 First Street, Williamsport, PA 17701 (Shop Order No.)
2. Owner Public Service Electric & Gas Co., P.O. Box 1868, Newark, NJ 07101-1868
 (Name and Address)
3. Name of Nuclear Power Plant Hope Creek Generating Station
4. Address of Nuclear Power Plant End of Buttonwood Rd., Hancocks Bridge, NJ 08038
5. a: Identification of Component Repaired or Replacement Component N/A
 b: Name of Manufacturer (If different from Line 1) N/A
 c: Identifying Nos. E6161-8-7 N/A -- 1980
 (Mfr.'s Serial No.) (Nat'l Bd. No.) (Other) (Year Built)
6. Applicable Edition of Section III of ASME Code 19 74 Addenda S75 Code Case 1516-2, 1567 & 16
7. Description of Work Valve was returned for evaluation, inspection, re-testing and
(Use of additional sheet(s) or sketch(es) is acceptable if properly identified)
restore in as new condition.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this repair or replacement conforms to Section III of the ASME Code. Signed R L Stannett Quality Engineer
 (Authorized Representative of Repair Organization) (Title)

2/28, 19 94. Our ASME Certificate of Authorization No. 1712 to use the N symbol
 (Date)

expires 4/15/95.

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors, employed by Commercial Union Insurance Co. of Boston, Mass.
 have inspected the repair or replacement described in this Report on 2-28, 19 94 and state that to the best of my knowledge and belief, this repair or replacement has been made or constructed in accordance with Section III 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 a loss of any kind arising from or connected with this inspection.

Date 2-28-94 Charles Young Commissions Pennsylvania 2392
 (Inspector) State or Providence, Nat'l Bd.

Anchor/Darling

Valve Company WILLIAMSPORT, PA 17701

FORM QAS-14-1 SUPPLEMENTAL DATA REPORT FOR NUCLEAR VALVES OR PARTS

1. Work performed by Anchor/Darling Valve Company RT769-1
701 First Street, Williamsport, PA 17701 (Shop Order No.)
2. Owner Public Service Electric & Gas Co., P.O. Box 1868, Newark, NJ 07101-1868
(Name and Address)
3. Name of Nuclear Power Plant Hope Creek Generating Station
4. Address of Nuclear Power Plant End of Buttonwood Rd., Hancocks Bridge, NJ 08038
5. a: Identification of Component Repaired or Replacement Component N/A
b: Name of Manufacturer (If different from Line 1) N/A
c: Identifying Nos. E6161-9-3 N/A -- 1980
(Mfr.'s Serial No.) (Nat'l Id. No.) (Other) (Year Built)
6. Applicable Edition of Section III of ASME Code 19 74 Addenda S75 Code Case 1516-2, 1567 &
7. Description of Work Valve was returned for evaluation, inspection, re-testing and
(Use of additional sheet(s) or sketch(es) is acceptable if properly identified)
restore in as new condition.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this repair or replacement conforms to Section III of the ASME Code. Signed R L Stannett Quality Engineer
(Authorized Representative of Repair Organization) (Title)

3/1, 19 94. Our ASME Certificate of Authorization No. 1712 to use the N symbol
(Date) expires 4/15/95.

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors, employed by Commercial Union Insurance Co. of Boston, Mass. have inspected the repair or replacement described in this Report on 3-1, 19 94 and state that to the best of my knowledge and belief, this repair or replacement has been made or constructed in accordance with Section III 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 a loss of any kind arising from or connected with this inspection.

Date 3-1-94 Charles Young Commissions Pennsylvania 2392
(Inspector) State or Providence, Nat'l Board

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**FORM NPP-1 CERTIFICATE HOLDERS' DATA REPORT FOR FABRICATED
NUCLEAR PIPING SUBASSEMBLIES***

As Required by the Provisions of the ASME Code, Section III, Division 1

Pg. 1 of _____

1. Fabricated and certified by B.F. Shaw, Inc., Old Airport Road, Laurens, SC 29360
(name and address of NPT Certificate Holder)

2. Fabricated for PSE&G Nuclear Dept., Hancock, NJ 08038
(name and address)

3. Location of installation Hancock, NJ
(name and address of Purchaser)

4. Type 1-BC-075-S17 N/A PI-068-7100 N/A 1994
(Cert. Holder's serial no.) (ICRN) (drawing no.) (Nat'l Bd. no.) (year built)

5. ASME Code, Section III, Division 1: 1974 Thru Winter 1974 2 N/A
(edition) (addenda date) (class) (Code Case no.)

6. Shop hydrostatic test N/A psi at N/A °F (if performed)

7. Description of piping Residual Heat Removal System

8. Certificate Holders' Data Reports properly identified and signed by commissioned inspectors have been furnished for the following items of this report: 18" XS Smls Pipe SA106-B; 4@ 8" XS Smls Pipe SA106-B

9. Remarks: Changed line 4 serial number per customer request

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that the fabrication of the described piping subassembly conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2799 Expires June 9, 1995

Date 2-24-94 Name B.F. Shaw, Inc.
(NPT Certificate Holder)

Signed

Boyd Hames
(authorized representative)

CERTIFICATE OF SHOP 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 Tennessee and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected the piping subassembly described in this

Data Report on * 6/15/94 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated this piping subassembly in accordance with the ASME Code, Section III, Division 1.

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

Date * 6/15/94 Signed

Carl R. Enoch
(Authorized Inspector)

Commissions

TN2236

(Nat'l Bd. incl. endorsements and state or prov. and no.)

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/88)

This form (E00062) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

* Original signed and dated 2-24-94

As Required by the Provisions of the ASME Code Rules

(Brief description of service for which equipment was designed)

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

FORM NPV-1 (back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
Bonnet Studs	SA193-B7	R.E.C. Corporation	
HT. # 285004			
Bonnet Nuts	SA194-2H	Nuts, Incorporated	
HT. # 6061895			
(d) Other Parts			
N/A			

8. Hydrostatic test -1100 psi.

CERTIFICATION OF DESIGN

Design information on file at Bechtel Corp. Box 3965, San Francisco, California 94119
 Stress analysis report on file at N/A Class 2
 Design specifications certified by Joseph Han (1) Prof. Eng. State Calif. Reg. No. 14662
 Stress analysis report certified by N/A Class 2 (1) Prof. Eng. State _____ Reg. No. _____
 (1) Signature not required. List name only.

We certify that the statements made in this report are correct.

Date 1-21 1980 signed Anchor/Darling Valve Co. L. B. Snyder
 (Manufacturer) L. B. Snyder
 Certificate of Authorization No. N 1712 expires 4-15-80

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State ~~XXXXXXXXXX~~ Pennsylvania and employed by Commercial Union Ins. Co. of Boston, Mass. have inspected the equipment described in this Data Report on 3-31-77 thru 1-22 1980, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.

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

Date 1-22 1980

Russell E. Montgomery
 (Inspector)
 Russell E. Montgomery

Commissions Pennsylvania WC972
 (National Board, State, Province and No.)

As Required by the Provisions of the ASME Code Rules

18" 300# F.W. GATE VALVE WITH 6:1 BEVEL GEAR OPERATOR WITH
(Brief description of service for which equipment was designed)
16" DIAMETER HANDWHEEL

(b) National Board No. N/A

7. The material, design, construction, and workmanship complies with ASME Code Section III, Class _____ 2

Edition 1974, Addenda Date Summer '75, Case No. 1516-2, 1567, 1677

*Supplemental sheets in form of lists, sketches or drawings may be used provided: (1) size is 9 1/2" x 11", (2) information in items 1, 2, 3e and 4b on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

FORM NPV-1 (back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
Bonnet Studs	SA193-B7	R.E.C. Corporation	
HT.# 285004			
Bonnet Nuts	SA194-2H	Nuts, Incorporated	
HT.# 6061895			
(d) Other Parts			
N/A			

8. Hydrostatic test -1100 psi.

CERTIFICATION OF DESIGN

Design information on file at Bechtel Corp. Box 3965, San Francisco, California 94110
 Stress analysis report on file at N/A Class 2
 Design specifications certified by Joseph Han (1) Prof. Eng. State Calif. Reg. No. 14662
 Stress analysis report certified by N/A Class 2 (1) Prof. Eng. State _____ Reg. No. _____
 (1) Signature not required. List name only.

We certify that the statements made in this report are correct.

Date 1-18 19 80 Signed Anchor/Darling Valve Co. L. B. Snyder
 (Manufacturer)
 Certificate of Authorization No. N 1712 expires 4-15-80

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State ~~XXXXXXXXXX~~ Pennsylvania and employed by Commercial Union Ins. Co. of Boston, Mass. have inspected the equipment described in this Data Report on 1-6-79/1-18 19 80, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.

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

Date 1-18 19 80

Russell E. Montgomery
 (Inspector)
 Russell E. Montgomery

Commissions Pennsylvania WC972
 National Board, State, Province and No.