



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

1. Owner: Washington Public Power Supply System (WPPSS)
Address: 3000 George Washington Way, Richland, Washington
2. Plant: Washington Public Power Supply System (WPPSS) Nuclear Power Plant (WNP)
Address: Hanford Reservation, Benton County, Washington
3. (a) Work Performed by: Bechtel Construction, Incorporation, PO Box 600, Richland, WA
(b) Repair Organization P.O. No., Job No., etc.: C20069
4. Identification of System: Off Gas (OG) System
5. (a) Applicable Construction Code ASME Section III Code Class 3, 1971 Edition with no Addenda,
Code Case: None
(b) Applicable Edition of ASME Section XI Utilized for Repairs or Replacements: 1980 Edition with Winter 1980
Addenda, Code Case: N-308
6. Identification of Components Repaired or Replaced and Replacement Components

Date: 11/14/91
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other I.D.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No) Code Class
OG-HX-1A	GE	223176	57775	N/A	1974	Repair/Replacement	Yes, Code Class 3

7. Description of Work: Performed work on OG-HX-1A. The work was performed as follows
- 1) Machined new tube plugs for plugging the tubes
 - 2) Installed new tube plugs in the tube sheet holes and made required welds
 - 3) Performed PT examination on the final welds. PT examination results acceptable
 - 4) Installed new bolting material for the head cover to channel cover joint
 - 5) Performed pressure test on flanged joint to confirm pressure boundary integrity. No evidence of leakage during pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO. 2-0687

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐

Test Pressure: 660 Psig

Test Temperature: 92° F

Component Design Pressure: 1000 Psig

Temperature: 575° F

9. Remarks: None

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not applicable

Certificate Authorization No.: Not applicable

Expiration Date: Not Applicable

Prepared by Rudolph Gupb

Signed by [Signature]

Plant Technical Manager

Date 11/14/91

Date 11-17-91

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 Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual System) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 5/8/91 to 11/15/91 and state 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 9556W NSI

National Board, State, and Endorsements

Date 11/19/91



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

1. Owner: Washington Public Power Supply System (WPPSS)
Address: 3000 George Washington Way, Richland, Washington
2. Plant: Washington Public Power Supply System (WPPSS) Nuclear Power Plant (WNP)
Address: Hanford Reservation, Benton County, Washington
3. (a) Work Performed by: Bechtel Construction, Incorporation, PO Box 600, Richland, WA
(b) Repair Organization P.O. No., Job No., etc.: C20069
4. Identification of System: Off Gas (OG) System
5. (a) Applicable Construction Code ASME Section III Code Class 3, 1971 Edition with no Addenda,
Code Case: None
(b) Applicable Edition of ASME Section XI Utilized for Repairs or Replacements: 1980 Edition with Winter 1980
Addenda, Code Case: N-308
6. Identification of Components Repaired or Replaced and Replacement Components

Date: 11/14/91

Sheet: 1 of 1

Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other I.D.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No) Code Class
OG-HX-1B	GE	223177	57776	N/A	1974	Repair/Replacement	Yes, Code Class 3

7. Description of Work: Performed work on OG-HX-1B. The work was performed as follows
- 1) Machined new tube plugs for plugging the tubes
 - 2) Installed new tube plugs in the tube sheet holes and made required welds
 - 3) Performed PT examination on the final welds. PT examination results acceptable
 - 4) Installed new bolting material for the head cover to channel cover joint
 - 5) Performed pressure test on flanged joint to confirm pressure boundary integrity. No evidence of leakage during pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO. 2-0688

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐

Test Pressure: 660 Psig

Test Temperature: 92° F

Component Design Pressure: 1000 Psig

Temperature: 575° F

9. Remarks: None

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not applicable

Certificate Authorization No.: Not applicable

Expiration Date: Not Applicable

Prepared by Dudip Singh Signed by [Signature]

Plant Technical Manager

Date 11/14/91 Date 11-18-91

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 Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual System) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 5/4/91 to 11/15/91 and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 9556W NBI
Inspector's Signature National Board, State, and Endorsements

Date 11/19/91



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

1. Owner: Washington Public Power Supply System (WPPSS)

Date: 11/14/91

Address: 3000 George Washington Way, Richland, WA

Sheet: 1 of 1

2. Plant: WPPSS Nuclear Power Plant (WNP)

Unit: WNP-2

Address: Hanford, Benton County, WA

3. (a) Work Performed by: WPPSS, 3000 George Washington Way, Richland, WA

(b) Repair Organization P.O. No., Job No., etc.: WPPSS

4. Identification of System: Reactor Water Cleanup (RWCU) System

5. (a) Applicable Construction Code ASME Section III Code Class 3, 1971 Edition with Winter 1973 Addenda,
Code Case: None

(b) Applicable Edition of ASME Section XI Utilized for Repairs or Replacements: 1980 Edition with Winter 1980
Addenda, Code Case: N-308

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other I.D.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No) Code Class
RWCU(1)-4	WPPSS	RWCU(1)-4-P1	N/A	N/A	1983	Replacement	Yes, Code Class 3

7. Description of Work: Machined new orifice plate for RWCU-FE-40. The work was performed as follows

- 1) Machined the new orifice plate by using dimensions obtained from the existing orifice plate
- 2) Welded handle to the orifice plate
- 3) Installed new orifice plate under Plan No 2-0690
- 4) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO. 2-0689

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
Test Pressure: 950 Psig Test Temperature: 425 °F
Component Design Pressure: 1420 Psig Temperature: 575 °F

9. Remarks: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: Not applicable

Certificate Authorization No.: Not applicable

Expiration Date: Not Applicable

Prepared by Rudolph Supb

Signed by [Signature]

Plant Technical Manager

Date 11/14/91

Date 11-14-91

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 Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual System) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 5/15/91 to 6/18/91 and state 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 9556W NBI

National Board, State, and Endorsements

Date 11/19/91



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

1. Owner: Washington Public Power Supply System (WPPSS)
Address: 3000 George Washington Way, Richland, Washington
2. Plant: Washington Public Power Supply System (WPPSS) Nuclear Power Plant (WNP)
Address: Hanford Reservation, Benton County, Washington
3. (a) Work Performed by: Washington Public Power Supply System (WPPSS), 3000 George Washington Way, Richland, WA
(b) Repair Organization P.O. No., Job No., etc.: Washington Public Power Supply System (WPPSS)
4. Identification of System: Reactor Water Cleanup (RWCU) System
5. (a) Applicable Construction Code ASME Section III Code Class 3, 1971 Edition with Winter 1973 Addenda,
Code Case: None
(b) Applicable Edition of ASME Section XI Utilized for Repairs or Replacements: 1980 Edition with Winter 1980
Addenda, Code Case: N-308
6. Identification of Components Repaired or Replaced and Replacement Components

Date: 11/14/91
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other I.D.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No) Code Class
RWCU(1)-4	WPPSS	RWCU(1)-4-P2	N/A	N/A	1983	Repair/ Replacement	Yes, Code Class 3

7. Description of Work: Cut and reinstalled orifice flanges for RWCU-FE-40. The work was performed as follows
- 1) Cut existing orifice flanges
 - 2) Beveled cut orifice flange and pipe ends
 - 3) Cut new pipe piece to the required length. Beveled pipe cut ends
 - 4) Installed existing orifice flanges and new pipe
 - 5) Made required circumferential butt welds
 - 6) Performed MT examination on the final circumferential butt welds. MT examination results acceptable
 - 7) Reinstalled 3/4" pipe and made required socket welds
 - 8) Installed new orifice plate fabricated under Plan No 2-0689
 - 9) Installed new bolting material for the flanged joint
 - 10) Performed hydrostatic test on circumferential butt welds to confirm pressure boundary integrity. No evidence of leakage during hydrostatic test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO. 2-0690

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Test Pressure: 1800 Psig Test Temperature: 78° F
Component Design Pressure: 1420 Psig Temperature: 575° F

9. Remarks: None

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not applicable

Certificate Authorization No.: Not applicable

Expiration Date: Not Applicable

Prepared by Paulip Singh Signed by [Signature]
Date 11/14/91 Date 11-14-91
Plant Technical Manager

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 Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual System) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 5/20/91 to 11/15/91 and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 9556 W NBI
Inspector's Signature National Board, State, and Endorsements
Date 11/19/91



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

1. Owner: Washington Public Power Supply System (WPPSS)
Address: 3000 George Washington Way, Richland, Washington
2. Plant: Washington Public Power Supply System (WPPSS), Nuclear Power Plant (WNP)
Address: Hanford Reservation, Benton County, Washington
3. (a) Work Performed by: Washington Public Power Supply System (WPPSS), 3000 George Washington Way, Richland, WA
(b) Repair Organization P.O. No., Job No., etc.: Washington Public Power Supply System (WPPSS)
4. Identification of System: Instrument Line
5. (a) Applicable Construction Code ASME Section III Code Class 2, 1974 Edition with Winter 1975 Addenda,
Code Case: None
(b) Applicable Edition of ASME Section XI Utilized for Repairs or Replacements: 1980 Edition with Winter 1980
Addenda, Code Case: N-308
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other I.D.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No) Code Class
PI(1)-4S-X82C	JCI	PI(1)-4S-X82C	N/A	N/A	1983	Replacement	Yes, Code Class 2

7. Description of Work: Replaced valve PI-V-X265. The replacement work was performed as follows

- 1) Cut socket welds and removed existing valve
- 2) Installed new valve
- 3) Made required socket welds
- 4) Performed PT examination on the final socket welds. PT examination results acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO. 2-0694

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ None
Test Pressure: Psig Test Temperature: °F
Component Design Pressure: Psig Temperature: °F

9. Remarks: See attached NPV-1 Code Data Report for the new valve Serial No 15

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: Not applicable

Certificate Authorization No.: Not applicable

Expiration Date: Not Applicable

Prepared by Dudip Singh Signed by [Signature]

Plant Technical Manager

Date 9/24/91 Date 9-24-91

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 Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual System) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 5/15/91 to 9/24/91 and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 9556 W NBI
Inspector's Signature National Board, State, and Endorsements

Date 9/24/91