

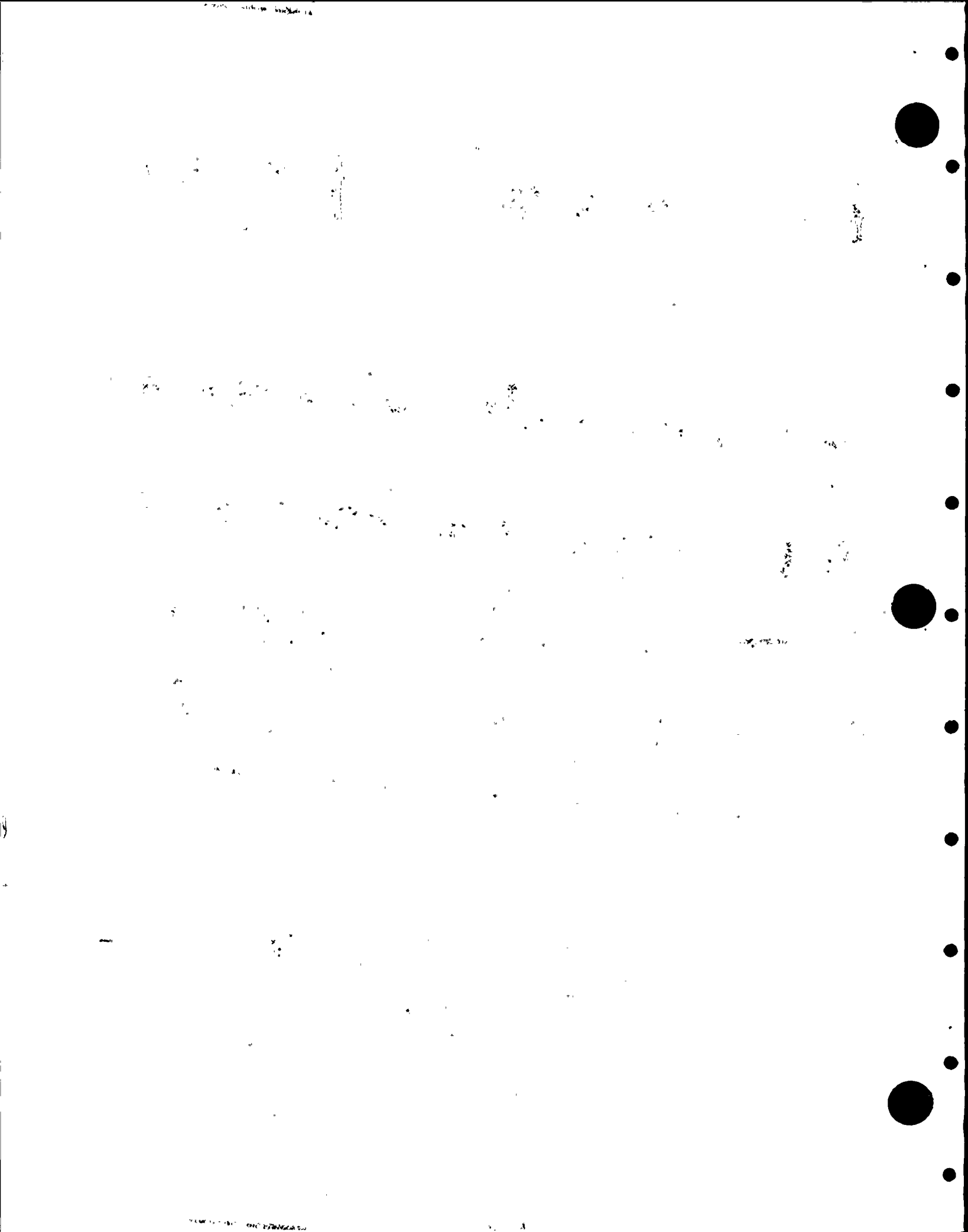
NUCLEAR PLANT 2

INSERVICE INSPECTION SUMMARY REPORT FOR REFUELING OUTAGE RF92A

Spring, 1992



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM



INSERVICE INSPECTION SUMMARY REPORT
FOR
REFUELING OUTAGE RF92A
SEPTEMBER 30, 1991 TO JULY 18, 1992

OWNER: Washington Public Power Supply System
3000 George Washington Way
Richland, Washington 99352

PLANT: WNP-2, located 11 miles north of Richland, Washington on the U.S.
Department of Energy Hanford Reservation

COMMERCIAL SERVICE DATE: December 13, 1984

CAPACITY: 1145 MWe

REACTOR PRESSURE VESSEL: Manufacturer: CBIN Serial Number: T-45
State No.: 29936-84W Nat'l Bd No.: 8

Prepared By:

D. Pamey
ISI Engineer

9/28/92
Date

Rudip Singh
Repair/Replacement Engineer

9/28/92
Date

Reviewed By:

John Welch
Supervisor, NDE/ISI Services

9-30-92
Date

R. Moore
Manager, Materials and Inspection

9-30-92
Date

OP NOTES
Manager, Engineering Programs

9/30/92
Date

R. Weber
Manager, Plant Technical

10/1/92
Date

W. D. Doughton
Manager, Plant Quality Assurance

10/7/92
Date

Approved By:

W. Baker
Plant Manager

10/8/92
Date

Concurrence:

Sam V. Heath
Authorized Nuclear Inspector-Inservice

10/8/92
Date

Table of Contents

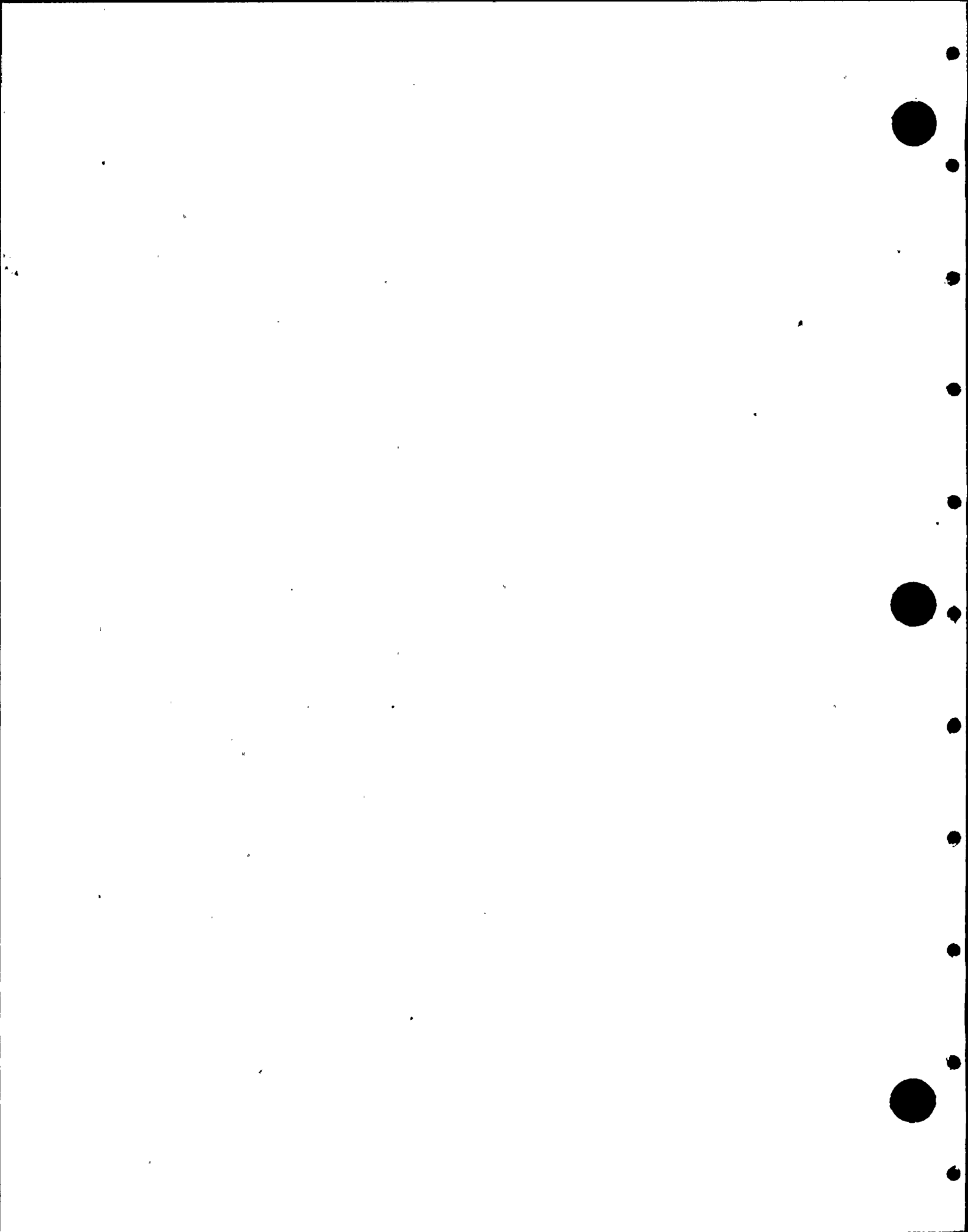
Cover Page and Approvals	Page 1
Table of Contents	Page 2
Examination Results	Page 3
Repair/Replacements	Page 8

Tables

Table I	Examinations Completed by Category
Table II	Limited Examinations
Table III	Snubber Testing Summary
Table IV	Significant Indications

Appendices

- A. NIS-1 Owners Data Report
- B. NDE Results
- C. Repair/Replacement Listing
NIS-2 Data Reports



SUMMARY

Approximately 77% of the first Inservice Inspection Interval requirements have been completed. Nuclear Regulatory Commission (Commission) augmented examinations in high energy lines, core spray spargers, jet pump beams, feedwater spargers, snubber testing and in lines covered by Generic Letter 88-01 were completed per commitments.

One surface indication was found that required corrective measures. This indication was blended out and re-examined with acceptable results. Additional surface examinations of similar welds did not reveal any additional unacceptable indications.

A suspected IGSCC flaw, discovered at R6, was re-examined. Results did not show any significant change from R6. The analysis performed at R6 for continued operation is still valid. The weld will be examined again in R8.

EXAMINATION RESULTS

This report summarizes the results of Inservice Inspection (ISI) of ASME Class 1,2 and 3 components and supports performed at Washington Public Power Supply System (Supply System) Nuclear Plant No. 2 (WNP-2) between September 30, 1991 and July 18, 1992. Both General Electric (GE) and Supply System personnel performed the examinations. During this period, WNP-2 completed the seventh scheduled refueling outage, RF92A (R7).

This report includes the NIS-1 Owner's Report of Inservice Inspection. A copy can be found in Appendix A.

The following table lists the ISI inspection periods and outages for the first interval.

<u>Inspection Period</u>	<u>Refueling¹ Outage</u>	<u>From</u>	<u>To</u>
1		<u>12/13/84</u>	<u>09/15/88</u>
	RF86A (R1)	03/31/86	06/10/86
	RF87A (R2)	04/13/87	06/25/87
	RF88A (R3)	05/02/88	06/27/88
2		<u>09/16/88</u>	<u>09/30/91²</u>
	RF89A (R4)	04/28/89	06/30/89
	RF90A (R5)	04/21/90	08/07/90
	RF91A (R6)	04/15/91	09/30/91
3		<u>10/01/91²</u>	<u>12/13/94</u>
	RF92A (R7)	04/18/92	07/18/92
	RF93A (R8)	04/15/93	06/15/93
	RF94A (R9)	04/15/94	06/15/94

(1) Assumes one refueling or maintenance outage each year. Actual timing of the spring outage for R8 and R9 may vary due to BPA's hydroelectric capacity or outage scope.

(2) R6 outage was extended

The ISI examinations are specified in ASME Section XI and required by 10CFR50.55a. In addition, the following examinations were performed to meet augmented Nuclear Regulatory Commission requirements.

- o pipe break exclusion areas (high energy lines penetrating containment, but not within ASME Section XI examination boundary)
- o IGSCC (intergranular stress corrosion cracking) detection in stainless steel welds, based on Generic Letter 88-01.
- o visual examination of Core Spray Spargers and supply piping in RPV

The ASME Section XI examinations comply with the 1980 Edition, Winter 1980 Addenda upgraded as follows:

- o IWA-2300(a)(1), 1983 Edition, Winter 1983 Addenda..
- o Code category C-F, 1983 Edition, Winter 1983 Addenda
- o IWF-3400, 1980 Edition Winter, 1981 Addenda
- o IWB-3600, 1986 Edition no Addenda (to comply with GL88-01)

Documentation supporting this Summary Report is included in the WNP-2 ISI Program Plan or is located in the WNP-2 Operations File. Table I lists all ASME Section XI and augmented examinations completed during R7. Appendix B contains a more detailed summary of the results by system and ISI drawing. The ISI drawings referenced are included in the ISI Program Plan previously submitted to the Commission.

The examinations, tests, repairs and replacements were witnessed or verified by Authorized Nuclear Inspector-Inservice (ANI-I) D.E. Hoggarth. He is employed by Factory Mutual Systems, a subsidiary of Arkwright Mutual Insurance Company, Norwood, Massachusetts.

COMPONENTS EXAMINED

The following components were examined:

<u>Component</u>	<u>Manufacturer</u>	<u>Serial Number</u>	<u>National Board No.</u>
RPV	CBIN Nuclear 2700 Channel Ave Memphis, TN	T-45	8
RCIC-V-65	Velan Engineering Co. 2125 Ward Montreal QUE	0334	NA
RHR-V-41C	Velan Engineering Co. 2125 Ward Montreal QUE	67	NA
RHR-V-50B	Velan Engineering Co. 2125 Ward Montreal QUE	414	NA

<u>Component</u>	<u>Manufacturer</u>	<u>Serial Number</u>	<u>National Board No.</u>
RRC-V-67A	Atwood & Morrill Co. Inc. 285 Canal St Salem, Mass	3-336	NA
RRC-V-67B	Atwood & Morrill Co. Inc. 285 Canal St Salem, Mass	4-336	NA

PIPING EXAMINATIONS

- o Twenty-five (25) safe end welds (GL 88-01 category "D" and "G") were examined using the GE SMART 2000 inspection system. No unacceptable indications were found. See Generic Letter 88-01 summary below under "AUGMENTED EXAMINATIONS" for further details.
- o Two hundred four (204) class 1 and 2 examinations were completed by UT, PT or MT methods. One weld, 12RRC(1)-N2K-4, had a rejectable surface indication. The indication was blended out and reexamination resulted in an acceptable result. Additional welds of this type were examined with acceptable results. The indication was attributed to silicon inclusions or porosity in the original weld that was opened up during operational thermal cycling.

RPV EXAMINATIONS

- o Interior visual examinations were performed by General Electric. Various augmented and Section XI category B-N-1 VT-3 items were examined. See augmented examination section below for further details. No unacceptable indications were found.
- o Nozzle to vessel welds were examined by GE using their GERIS examination system and manual scanning. Top head welds were completed manually by GE and Supply System personnel. The RPV weld ultrasonic examinations were performed in accordance with ASME Section XI 1980 Edition Winter 1980 Addendum and NRC Regulatory Guide 1.150 Revision 1 alternate method. No unacceptable indications were detected.

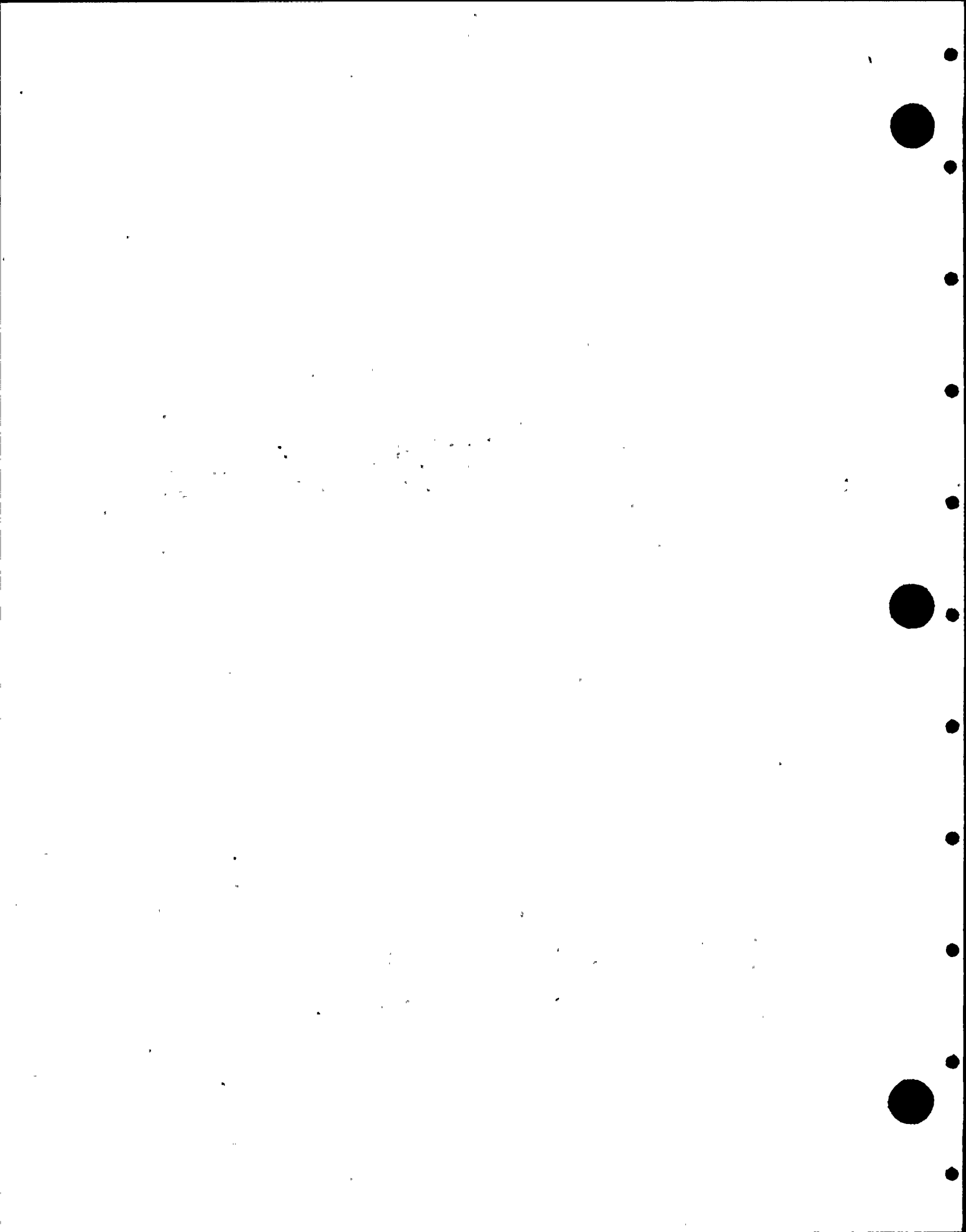
Full ASME Section XI Code coverage of the nozzle to vessel welds could not be obtained. The nozzle blend radius configuration prevents full coverage. Table II lists the nozzle type and the percent examined.

AUGMENTED EXAMINATIONS

The Supply System performed augmented examinations per the ISI Program Plan section 5.3, "Mandatory Augmented Inservice Inspection".

- o High energy lines that penetrate containment (section 5.3.1)

Dye penetrant or ultrasonic examination of 14 welds in the high energy line augmented examination program was performed. No reportable indications were found. This brings the total welds examined in this category to 57.



o Core spray sparger and supply piping (section 5.3.5)

A visual examination of the core spray spargers and their supply piping was performed per the requirements of IE Bulletin 80-13, "Cracking in Core Spray Sparger". The examination was performed using an underwater closed circuit TV system capable of resolving a 0.001 inch diameter wire in-situ. No relevant indications were observed.

o Jet pump beam visual (section 5.3.3)

The jet pump beams were visually examined using the VT-1 technique. No reportable indications were found.

o Generic Letter 88-01 (section 5.3.4)

General Electric examined 25 IGSCC category "D" and "G" welds (safe-ends) and 1 category "F" weld using the GE SMART 2000 automated system. The category "F" weld, 20RRC(6)-8, had a reportable indication detected at R6. The results of this exam determined that the flaw size had not changed significantly. The analysis performed at R6 for continued operation is still valid. The results of this examination and analysis for continued operation was submitted to the Commission for review and approval for continued operation. (ref. letter GO2-92-123, dated May 14, 1992) The Commissions approved operation for one more cycle. (ref. letter dated June 25, 1992, TAC M83721) This weld will be examined again at R8 to determine any change in flaw size. No indications were recorded for the category "D" and "G" welds. In addition 18 category "B" and 4 category "A" welds were examined using either the SMART 2000 system or manually. No indications were recorded.

Status of GL 88-01 commitment:

Category (Total #) ¹	Required within 6 yrs ¹	Required within 10 yrs ¹	WNP-2 Status thru R7 (After 4 yrs) ¹
A (54)	12%	25%	47% ²
B (147)	25%	50%	21%
D (8)	100% ³	100% ³	100% ³
G (17)	100% ⁴	100% ⁴	100% ⁴
F (1) ⁵	100% ⁶	100% ⁶	100% ⁶

Notes

1 WNP-2 commitment began at R4.

2 WNP-2 requirements exceed GL 88-01 because of ASME Section XI requirements.

3 100% of welds require examination every 2 refueling outages

4 All welds require examination every refueling outage. All welds classified as "G" in R7 are now reclassified as "D".

5 This category "B" weld was reclassified to category "F" at R6.

6 100% of welds require examination every refueling outage.

WNP-2 has met or is on schedule with its GL 88-01 commitments for the first six years.

o Feedwater spargers (section 5.3.2)

The feedwater spargers were visually examined by VT-1 technique per Supply System ISI Program Plan and FSAR commitments. No reportable indications were found.

o Snubber testing (section 6.5)

An initial sample of 37 snubbers was selected from the WNP-2 general population of 564 safety related snubbers. These snubbers were randomly selected by computer sub-routine which is part of the Snubber Test and Examination Program (STEP). The selected snubbers were then reviewed to determine if the sample was representative as required by Technical Specification 4.7.4.e.

Testing of snubbers was performed using portable testing devices "Validators". These devices were supplied by the snubber manufacturer. Testing results summary are found in Table III.

Snubber MD-1285-14D S/N 4047 passed the functional test, but drag was over 2%. To preclude further service life degradation it was replaced with another tested snubber S/N 2528 deleted from RCIC-970S under MWR AR6826.

The next testing is required within 18 months.

LIMITED EXAMINATIONS

Full ASME Section XI required coverage of the examination volume or surface could not be accomplished on 23 welds. Table II is a summary of the coverage obtained. The remaining volume or surface will be examined at a future outage or if necessary relief will be requested.

SIGNIFICANT INDICATIONS

Significant indications found during ISI examinations are summarized in Table IV. All significant indications were evaluated. Rejectable indications/items were repaired or replaced. Evaluation and/or re-examination data sheets are attached to the original data reports.

REPAIRS AND REPLACEMENTS

Eight (8) significant repair and replacement activities were performed during the RF92A refueling outage: 1) Modified valves RRC-V-67A and RRC-V-67B, 2) Installed new multiholed orifices in the HPCS system, 3) Installed new multiholed orifices in the FPC system, 4) Rerouted RHR return lines, 5) Replaced LPRM's, 6) Overhauled and replaced CRD's, 7) Replaced disc inserts and nozzles for five (5) main steam relief valves and replaced four (4) main steam relief valves, 8) Continuation of the snubber optimization program and 9) Modified vent/drain/test connections. A listing and summary of these and all other repairs and replacements accomplished between October 1, 1991 and July 18, 1992 are provided in Appendix C.

1) Reactor Recirculation Cooling (RRC) System

Installed new modified valve bonnets and internals for valves RRC-V-67A and RRC-V-67B to improve resistance to flow induced wear failures. Performed VT-3 visual examinations for ISI on the internal accessible surfaces of the new modified bonnets and the existing valve bodies.

2) High Pressure Core Spray (HPCS) System

Installed new multiholed orifices HPCS-RO-8 and HPCS-RO-9 to prevent vibration caused by cavitation in the HPCS full flow test return line to the suppression pool. Performed surface and volumetric examinations on the new welds for ISI (Preservice Inspections - PSI).

3) Fuel Pool Cooling (FPC) System

Installed new multiholed orifices FPC-RO-5A and FPC-RO-5B to reduce cavitation during operation of the RHR - Assist mode of FPC system.

4) Residual Heat Removal (RHR) System

Rerouted RHR return lines from hydrogen recombiner skids to eliminate the potential for water to back up the drain lines to CAC recombiner skids when the RHR system test return line is operated.

5) LPRM's

Replaced four (4) Local Power Range Monitoring (LPRM) incore assemblies.

6) CRD's

Overhauled eleven (11) Control Rod Drives (CRD's) and replaced thirty one (31) Control Rod Drives (CRD's).

7) Main Steam (MS) System

Replaced disc inserts and nozzles for four (4) spare main steam relief valves with Serial Numbers N63790-00-0046, N63790-00-0050, N63790-00-0052 and N63790-00-0056. These four (4) spare main steam relief valves were installed in place of the existing main steam relief valves in the plant as follows :

<u>EPN No</u>	<u>Serial No</u>
MS-RV-1C	N63790-00-0046
MS-RV-1D	N63790-00-0050
MS-RV-3B	N63790-00-0052
MS-RV-4B	N63790-00-0056

Replaced disc insert and nozzle for one (1) additional spare main steam relief valve with Serial Number N63790-00-0053. This spare relief valve was installed in place of MS-RV-3B, S/N N63790-00-0052 because this relief valve was inoperable during plant start up.

8) Snubber Optimization Program

As part of the Supply System's effort to reduce the number of safety related snubbers at WNP-2, twenty three (23) snubbers were replaced with rigid struts and forty six (46) snubbers were deleted. The new struts received Preservice Inspections (PSI) after installation.

9) Vent/Drain/Test Connections

Modified eight (8) vent/drain/test connections for RHR, LPCS and HPCS systems to reduce susceptibility to fatigue induced failures at socket welds.

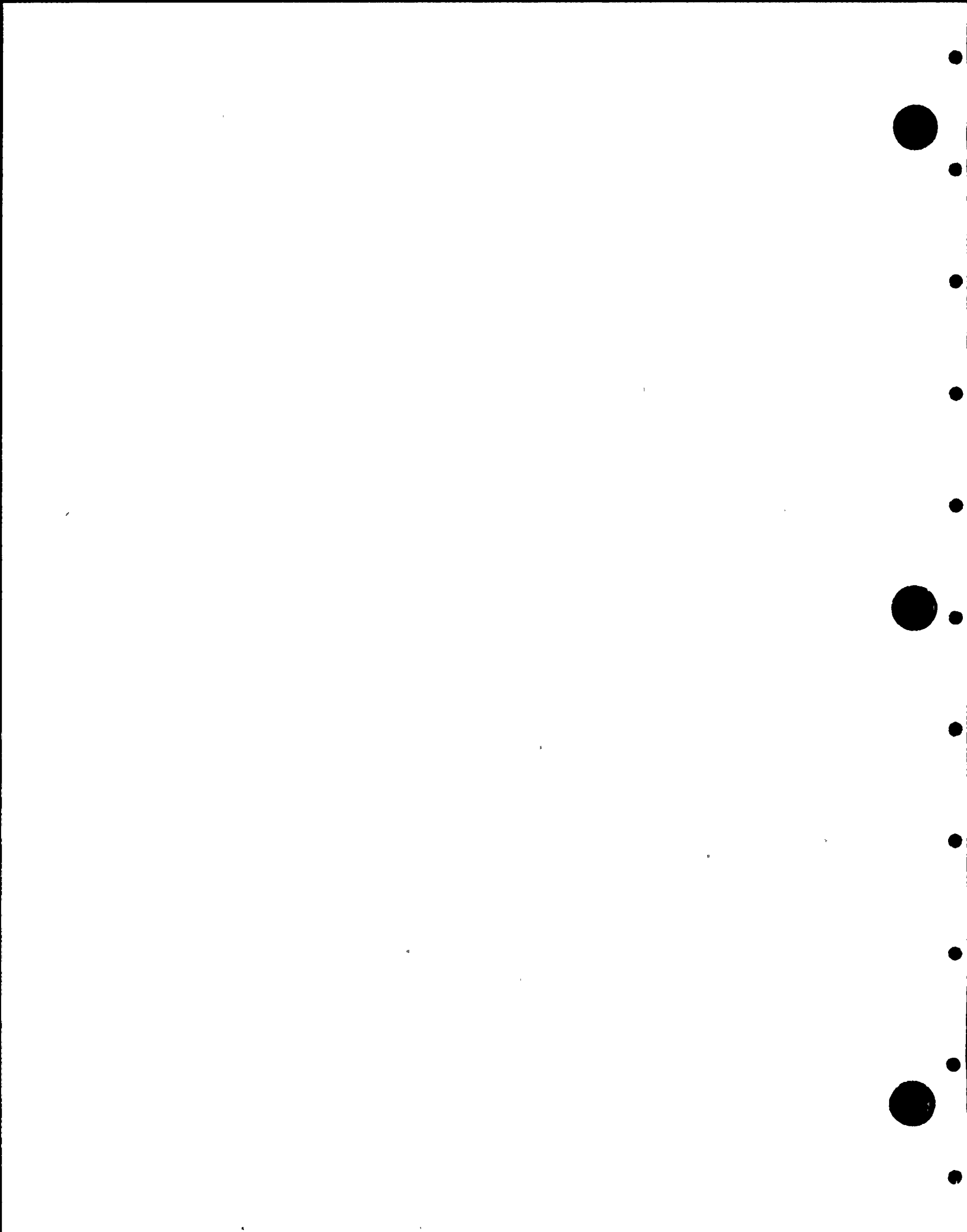


TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/I)
AUGHT	2MS(20)B-1	SOL TO PIPE	MS-202	SUR	19920425
	2MS(20)B-2	PIPE TO ELL	MS-202	SUR	19920425
	2MS(20)B-6	TEE TO PIPE	MS-202	SUR	19920425
	2MS(20)B-7	PIPE TO SOL	MS-202	SUR	19920425
	2MS(20)C-7	TEE TO RED	MS-203	SUR	19920425
	2MS(20)C-8	TEE TO PIPE	MS-203	SUR	19920425
	2MS(20)C-9	PIPE TO SOL	MS-203	SUR	19920425
	2MS(20)D-5	TEE TO RED	MS-204	SUR	19920425
	2MS(20)D-6	TEE TO PIPE	MS-204	SUR	19920425
	2MS(20)D-7	PIPE TO SOL	MS-204	SUR	19920425
	3MS(20)-1	VALVE TO PIPE	MS-206	VOL	19920425
	3MS(20)-2	PIPE TO ELL	MS-206	VOL	19920425
	3MS(20)-3	ELL TO PIPE	MS-206	VOL	19920425
	3MS(20)-4	PIPE TO CAP	MS-206	VOL	19920425
COUNT =		14			
B-A	DH	TOP HD MRD @15	RPV-102	VOL	19920430
	DJ	TOP HD MRD @75	RPV-102	VOL	19920430
	DK	TOP HD MRD @135	RPV-102	VOL	19920430
	DM	TOP HD MRD @195	RPV-102	VOL	19920430
	DN	TOP HD MRD @255	RPV-102	VOL	19920501
	DP	TOP HD MRD @315	RPV-102	VOL	19920430
COUNT =		6			
B-D	N1-0	RRC NZ-V @ 0	RPV-101	VOL	19920528
	N1-0-IR	RRC NZ-IR @ 0	RPV-101	VOL	19920529
	N1-180	RRC NZ-V @ 180	RPV-101	VOL	19920521
	N1-180-IR	RRC NZ-IR @ 180	RPV-101	VOL	19920522
	N2-90	RRC NZ-V @ 90	RPV-101	VOL	19920530

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/I)
B-D	N2-90-IR	RRC NZ-IR @ 90	RPV-101	VOL	19920529
	N2-120	RRC NZ-V @ 120	RPV-101	VOL	19920531
	N2-120-IR	RRC NZ-IR @ 120	RPV-101	VOL	19920530
	N2-150	RRC NZ-V @ 150	RPV-101	VOL	19920531
	N2-150-IR	RRC NZ-IR @ 150	RPV-101	VOL	19920531
	N2-210	RRC NZ-V @ 210	RPV-101	VOL	19920523
	N2-210-IR	RRC NZ-IR @ 210	RPV-101	VOL	19920522
	N2-240	RRC NZ-V @ 240	RPV-101	VOL	19920524
	N2-240-IR	RRC NZ-IR @ 240	RPV-101	VOL	19920524
	N2-270	RRC NZ-V @ 270	RPV-101	VOL	19920525
	N2-270-IR	RRC NZ-IR @ 270	RPV-101	VOL	19920524
	N2-300	RRC NZ-V @ 300	RPV-101	VOL	19920526
	N2-300-IR	RRC NZ-IR @ 300	RPV-101	VOL	19920526
	N2-330	RRC NZ-V @ 330	RPV-101	VOL	19920527
	N2-330-IR	RRC NZ-IR @ 330	RPV-101	VOL	19920526
	N4-150	FW NZ-V @ 150	RPV-101	VOL	19920608
	N4-210	FW NZ-V @ 210	RPV-101	VOL	19920607
	N4-270	FW NZ-V @ 270	RPV-101	VOL	19920606
	N4-330	FW NZ-V @ 330	RPV-101	VOL	19920606
	N6-135	LPCI NZ-V @ 135	RPV-101	VOL	19920612
	N6-135-IR	LPCI NZ-IR @135	RPV-101	VOL	19920612
	N6-315	LPCI NZ-V @ 315	RPV-101	VOL	19920609
	N6-315-IR	LPCI NZ-IR @315	RPV-101	VOL	19920609
	N9-105	JP IN-NZ-V @105	RPV-101	VOL	19920524
	N9-105-IR	JP IN-NZ-IR@105	RPV-101	VOL	19920524
	N9-285	JP IN-NZ-V @285	RPV-101	VOL	19920524
	N9-285-IR	JP IN-NZ-IR@285	RPV-101	VOL	19920524
	N10-180	CRD NZ-V @180	RPV-101	VOL	19920607
	N10-180-IR	CRD NZ-IR@180	RPV-101	VOL	19920610
	N16-240	HPCS NZ-V @ 240	RPV-101	VOL	19920607
	N16-240-IR	HPCS NZ-IR @240	RPV-101	VOL	19920607

COUNT = 36

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/I)
B-E	CRD	CRD PEN (185EA)	RPV-102	VT-2	19920705
	COUNT =	1			
B-F	4JP(NZ)A-1	N-9 NZ-SE @ 105	RPV-101	VOL	19920606
	4JP(NZ)A-1	N-9 NZ-SE @ 105	RPV-101	SUR	19920519
	4JP(NZ)A-2	N9 SE-PN SL@105	RPV-101	VOL	19920607
	4JP(NZ)A-2	N9 SE-PN SL@105	RPV-101	SUR	19920519
	4JP(NZ)B-1	N9 NZ-SE @ 285	RPV-101	VOL	19920606
	4JP(NZ)B-1	N9 NZ-SE @ 285	RPV-101	SUR	19920519
	4JP(NZ)B-2	N9 SE PN SL@285	RPV-101	VOL	19920607
	4JP(NZ)B-2	N9 SE PN SL@285	RPV-101	SUR	19920519
	10HPCS(1)-3	SE EXT TO SE	HPCS-101	VOL	19920611
	10HPCS(1)-3	SE EXT TO SE	HPCS-101	SUR	19920509
	10HPCS(1)-4	SE TO NOZZLE	HPCS-101	VOL	19920613
	10HPCS(1)-4	SE TO NOZZLE	HPCS-101	SUR	19920509
	10LPCS(1)-4	SE TO NOZZLE	LPCS-101	VOL	19920611
	10LPCS(1)-4	SE TO NOZZLE	LPCS-101	SUR	19920509
	12LPCI(1)A-6	SE TO NOZZLE	RHR-101	VOL	19920609
	12LPCI(1)A-6	SE TO NOZZLE	RHR-101	SUR	19920608
	12LPCI(1)B-5	SE EXT TO SE	RHR-102	VOL	19920614
	12LPCI(1)B-5	SE EXT TO SE	RHR-102	SUR	19920612
	12LPCI(1)B-6	SE TO NOZZLE	RHR-102	VOL	19920613
	12LPCI(1)B-6	SE TO NOZZLE	RHR-102	SUR	19920612
	12LPCI(1)C-5	SE EXT TO SE	RHR-103	VOL	19920610
	12LPCI(1)C-5	SE EXT TO SE	RHR-103	SUR	19920608
	12LPCI(1)C-6	SE TO NOZZLE	RHR-103	VOL	19920610
	12LPCI(1)C-6	SE TO NOZZLE	RHR-103	SUR	19920608
	12RFW(1)AC-11	SE/EX-SE/STUB	RFW-101	VOL	19920609
	12RFW(1)AC-11	SE/EX-SE/STUB	RFW-101	SUR	19920509
	12RFW(1)AC-13	SE TO N4	RFW-101	VOL	19920609

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/I)
B-F	12RFW(1)AB-11	SE TO N4	RFW-101	VOL	19920612
	12RFW(1)AB-11	SE TO N4	RFW-101	SUR	19920509
	12RFW(1)AA-11	SE TO N4	RFW-101	VOL	19920613
	12RFW(1)AA-11	SE TO N4	RFW-101	SUR	19920424
	12RFW(1)BF-14	SE TO N4	RFW-102	VOL	19920612
	12RFW(1)BE-11	SE TO N4	RFW-102	VOL	19920613
	12RFW(1)BE-11	SE TO N4	RFW-102	SUR	19920424
	12RFW(1)BD-11	SE TO N4	RFW-102	VOL	19920610
	12RFW(1)BD-11	SE TO N4	RFW-102	SUR	19920509
	24RRC(2)A-1	NOZ TO SE	RRC-101	VOL	19920603
	24RRC(2)A-1	NOZ TO SE	RRC-101	SUR	19920502
	12RRC(1)-N2A-6	SE TO NOZ	RRC-101	VOL	19920602
	12RRC(1)-N2A-6	SE TO NOZ	RRC-101	SUR	19920518
	12RRC(1)-N2B-6	SE TO NOZ	RRC-101	VOL	19920603
	12RRC(1)-N2B-6	SE TO NOZ	RRC-101	SUR	19920518
	12RRC(1)-N2C-6	SE TO NOZ	RRC-101	VOL	19920605
	12RRC(1)-N2C-6	SE TO NOZ	RRC-101	SUR	19920518
	12RRC(1)-N2D-6	SE TO NOZ	RRC-101	VOL	19920606
	12RRC(1)-N2D-6	SE TO NOZ	RRC-101	SUR	19920518
	12RRC(1)-N2E-6	SE TO NOZ	RRC-101	VOL	19920605
	12RRC(1)-N2E-6	SE TO NOZ	RRC-101	SUR	19920519
	24RRC(2)B-1	NOZ TO SE	RRC-102	VOL	19920601
	24RRC(2)B-1	NOZ TO SE	RRC-102	SUR	19920427
	12RRC(1)-N2F-6	SE TO NOZ	RRC-102	VOL	19920604
	12RRC(1)-N2F-6	SE TO NOZ	RRC-102	SUR	19920516
	12RRC(1)-N2G-6	SE TO NOZ	RRC-102	VOL	19920605
	12RRC(1)-N2G-6	SE TO NOZ	RRC-102	SUR	19920518
	12RRC(1)-N2H-6	SE TO NOZ	RRC-102	VOL	19920601
	12RRC(1)-N2H-6	SE TO NOZ	RRC-102	SUR	19920518
	12RRC(1)-N2J-6	SE TO NOZ	RRC-102	VOL	19920530
	12RRC(1)-N2J-6	SE TO NOZ	RRC-102	SUR	19920518

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/I)
B-F	12RRC(1)-N2K-6	SE TO NOZ	RRC-102	VOL	19920530
	12RRC(1)-N2K-6	SE TO NOZ	RRC-102	SUR	19920519
COUNT =		60			
B-G-1	RPV STUD 35-1-6A	RPV STUD	RPV-101	VOL	19920511
	RPV STUD 35-1-6A	RPV STUD	RPV-101	SUR	19920507
	RPV STUD 35-1-13A	RPV STUD	RPV-101	VOL	19920511
	RPV STUD 35-1-13A	RPV STUD	RPV-101	SUR	19920507
	RPV STUD 35-1-20A	RPV STUD	RPV-101	VOL	19920514
	RPV STUD 35-1-20A	RPV STUD	RPV-101	SUR	19920513
	RPV STUD 35-1-27A	RPV STUD	RPV-101	VOL	19920514
	RPV STUD 35-1-27A	RPV STUD	RPV-101	SUR	19920513
	RPV STUD 35-1-34A	RPV STUD	RPV-101	VOL	19920514
	RPV STUD 35-1-34A	RPV STUD	RPV-101	SUR	19920513
	RPV STUD 35-1-41A	RPV STUD	RPV-101	VOL	19920514
	RPV STUD 35-1-41A	RPV STUD	RPV-101	SUR	19920513
	RPV STUD 35-1-47A	RPV STUD	RPV-101	VOL	19920514
	RPV STUD 35-1-47A	RPV STUD	RPV-101	SUR	19920513
	RPV STUD 35-1-48A	RPV STUD	RPV-101	VOL	19920514
	RPV STUD 35-1-48A	RPV STUD	RPV-101	SUR	19920513
	RPV STUD 35-1-54A	RPV STUD	RPV-101	VOL	19920511
	RPV STUD 35-1-54A	RPV STUD	RPV-101	SUR	19920507
	RPV STUD 35-1-55A	RPV STUD	RPV-101	VOL	19920514
	RPV STUD 35-1-55A	RPV STUD	RPV-101	SUR	19920513
	RPV STUD 35-1-61A	RPV STUD	RPV-101	VOL	19920511
	RPV STUD 35-1-61A	RPV STUD	RPV-101	SUR	19920507
	RPV STUD 35-1-62A	RPV STUD	RPV-101	VOL	19920511
	RPV STUD 35-1-62A	RPV STUD	RPV-101	SUR	19920507
	RPV STUD 35-1-68A	RPV STUD	RPV-101	VOL	19920511
	RPV STUD 35-1-68A	RPV STUD	RPV-101	SUR	19920507

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/I)
B-G-1	RPV STUD 35-1-69A	RPV STUD	RPV-101	VOL	19920511
	RPV STUD 35-1-69A	RPV STUD	RPV-101	SUR	19920307
	RPV STUD 35-1-75A	RPV STUD	RPV-101	VOL	19920311
	RPV STUD 35-1-75A	RPV STUD	RPV-101	SUR	19920507
	RPV STUD 35-1-76A	RPV STUD	RPV-101	VOL	19920511
	RPV STUD 35-1-76A	RPV STUD	RPV-101	SUR	19920307
	RPV NUT 36-1-6A	RPV NUT	RPV-101	VOL	19920602
	RPV NUT 36-1-6A	RPV NUT	RPV-101	SUR	19920601
	RPV NUT 36-1-13A	RPV NUT	RPV-101	VOL	19920602
	RPV NUT 36-1-13A	RPV NUT	RPV-101	SUR	19920601
	RPV NUT 36-1-20A	RPV NUT	RPV-101	VOL	19920602
	RPV NUT 36-1-20A	RPV NUT	RPV-101	SUR	19920601
	RPV NUT 36-1-27A	RPV NUT	RPV-101	VOL	19920602
	RPV NUT 36-1-27A	RPV NUT	RPV-101	SUR	19920601
	RPV NUT 36-1-34A	RPV NUT	RPV-101	VOL	19920602
	RPV NUT 36-1-34A	RPV NUT	RPV-101	SUR	19920601
	RPV NUT 36-1-41A	RPV NUT	RPV-101	VOL	19920602
	RPV NUT 36-1-41A	RPV NUT	RPV-101	SUR	19920601
	RPV NUT 36-1-47A	RPV NUT	RPV-101	VOL	19920602
	RPV NUT 36-1-47A	RPV NUT	RPV-101	SUR	19920601
	RPV NUT 36-1-48A	RPV NUT	RPV-101	VOL	19920602
	RPV NUT 36-1-48A	RPV NUT	RPV-101	SUR	19920601
	RPV NUT 36-1-54A	RPV NUT	RPV-101	VOL	19920602
	RPV NUT 36-1-54A	RPV NUT	RPV-101	SUR	19920601
	RPV NUT 36-1-55A	RPV NUT	RPV-101	VOL	19920602
	RPV NUT 36-1-55A	RPV NUT	RPV-101	SUR	19920601
	RPV NUT 36-1-61A	RPV NUT	RPV-101	VOL	19920602
	RPV NUT 36-1-61A	RPV NUT	RPV-101	SUR	19920601
	RPV NUT 36-1-62A	RPV NUT	RPV-101	VOL	19920602
	RPV NUT 36-1-62A	RPV NUT	RPV-101	SUR	19920601
	RPV NUT 36-1-68A	RPV NUT	RPV-101	VOL	19920602

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/I)
B-6-1	RPV NUT 36-1-68A	RPV NUT	RPV-101	SUR	19920601
	RPV NUT 36-1-69A	RPV NUT	RPV-101	VOL	19920602
	RPV NUT 36-1-69A	RPV NUT	RPV-101	SUR	19920601
	RPV NUT 36-1-75A	RPV NUT	RPV-101	VOL	19920602
	RPV NUT 36-1-75A	RPV NUT	RPV-101	SUR	19920601
	RPV NUT 36-1-76A	RPV NUT	RPV-101	VOL	19920602
	RPV NUT 36-1-76A	RPV NUT	RPV-101	SUR	19920601
	RPV WASHERS	RPV WASHER-76EA	RPV-101	VT-1	19920601
	COUNT = 65				
B-G-2	CRD HOUSING 42-39 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920423
	CRD HOUSING 38-51 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920423
	CRD HOUSING 42-51 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920423
	CRD HOUSING 50-51 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920423
	CRD HOUSING 46-47 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920423
	CRD HOUSING 46-43 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920423
	CRD HOUSING 54-43 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920423
	CRD HOUSING 58-43 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920423
	CRD HOUSING 30-39 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920501
	CRD HOUSING 34-39 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920501
	CRD HOUSING 42-39 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920502
	CRD HOUSING 50-39 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920423
	CRD HOUSING 10-35 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920501
	CRD HOUSING 14-35 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920501
	CRD HOUSING 34-35 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920429
	CRD HOUSING 46-35 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920423
	CRD HOUSING 54-35 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920423
	CRD HOUSING 26-31 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920501
	CRD HOUSING 34-31 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920429
	CRD HOUSING 50-31 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920423

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/I)
B-6-2	CRD HOUSING 54-31 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920423
	CRD HOUSING 22-27 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920501
	CRD HOUSING 50-27 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920424
	CRD HOUSING 46-23 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920501
	CRD HOUSING 50-23 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920424
	CRD HOUSING 42-15 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920430
	CRD HOUSING 54-15 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920423
	CRD HOUSING 10-11 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920501
	CRD HOUSING 50-11 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920424
	CRD HOUSING 34-07 BLT	CRD HOUSING BLT	RPV-102	VT-1	19920501
	RCIC-V-63-BLT	VALVE BOLTING	RCIC-101	VT-1	19920504
	8MSR-3A-2BD	FLANGE BOLTING	MS-101	VT-1	19920504
	MS-RV-3A-BLT	VALVE BOLTING	MS-101	VT-1	19920504
	8MSR-2A-2BD	FLANGE BOLTING	MS-101	VT-1	19920504
	MS-RV-2A-BLT	VALVE BOLTING	MS-101	VT-1	19920504
	8MSR-2B-2BD	FLANGE BOLTING	MS-102	VT-1	19920504
	MS-RV-2B-BLT	VALVE BOLTING	MS-102	VT-1	19920504
	MS-RV-1B-BLT	VALVE BOLTING	MS-102	VT-1	19920504
	8MSR-3C-2BD	FLANGE BOLTING	MS-103	VT-1	19920504
	MS-RV-3C-BLT	VALVE BOLTING	MS-103	VT-1	19920504
	8MSR-2C-2BD	FLANGE BOLTING	MS-103	VT-1	19920504
	MS-RV-2C-BLT	VALVE BOLTING	MS-103	VT-1	19920504
	8MSR-1C-2BD	FLANGE BOLTING	MS-103	VT-1	19920504
	MS-RV-1C-BLT	VALVE BOLTING	MS-103	VT-1	19920504
	8MSR-2D-2BD	FLANGE BOLTING	MS-104	VT-1	19920504
	MS-RV-2D-BLT	VALVE BOLTING	MS-104	VT-1	19920504
	8MSR-1D-2BD	FLANGE BOLTING	MS-104	VT-1	19920504
	MS-RV-1D-BLT	VALVE BOLTING	MS-104	VT-1	19920504
	4MS(12)-1BD	FLANGE BOLTING	MS-106	VT-1	19920506
	RRC-V-23B-BLT	VALVE BOLTING	RRC-102	VT-1	19920527

COUNT = 30

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/I)
B-J	5CRD(NZ)-1	CRD NZ-SE @180	RPV-101	VOL	19920509
	5CRD(NZ)-1	CRD NZ-SE @ 180	RPV-101	SUR	19920509
	3CRD(NZ)-1	CRD SE-CAP @180	RPV-101	SUR	19920509
	12HPCS(1)-19	PIPE TO ELL	HPCS-101	VOL	19920614
	12HPCS(1)-19	PIPE TO ELL	HPCS-101	SUR	19920606
	10HPCS(1)-1	ELL TO PIPE	HPCS-101	VOL	19920616
	10HPCS(1)-1	ELL TO PIPE	HPCS-101	SUR	19920606
	10HPCS(1)-2	PIPE TO SE EXT	HPCS-101	VOL	19920613
	10HPCS(1)-2	PIPE TO SE EXT	HPCS-101	SUR	19920606
	12LPCS(1)-1	VLV TO PIPE	LPCS-101	VOL	19920530
	12LPCS(1)-1	VLV TO PIPE	LPCS-101	SUR	19920529
	12LPCS(1)-2	PIPE TO ELL	LPCS-101	VOL	19920530
	12LPCS(1)-2	PIPE TO ELL	LPCS-101	SUR	19920529
	26MS(1)A-8	PIPE TO ELL	MS-101	VOL	19920528
	26MS(1)A-8	PIPE TO ELL	MS-101	SUR	19920528
	26MS(1)A-8LDI	ELL SEAM	MS-101	VOL	19920528
	26MS(1)A-8LDI	ELL SEAM	MS-101	SUR	19920528
	26MS(1)A-8LDO	ELL SEAM	MS-101	VOL	19920528
	26MS(1)A-8LDO	ELL SEAM	MS-101	SUR	19920528
	26MS(1)D-6	PIPE TO ELL	MS-104	VOL	19920527
	26MS(1)D-6	PIPE TO ELL	MS-104	SUR	19920526
	26MS(1)D-6LDI	ELL SEAM	MS-104	VOL	19920527
	26MS(1)D-6LDI	ELL SEAM	MS-104	SUR	19920526
	26MS(1)D-6LDO	ELL SEAM	MS-104	VOL	19920527
	26MS(1)D-6LDO	ELL SEAM	MS-104	SUR	19920526
	26MS(1)D-7LUI	ELL SEAM	MS-104	VOL	19920527
	26MS(1)D-7LUI	ELL SEAM	MS-104	SUR	19920526
	26MS(1)D-7LUO	ELL SEAM	MS-104	VOL	19920527
	26MS(1)D-7LUO	ELL SEAM	MS-104	SUR	19920526
	26MS(1)D-7	ELL TO PIPE	MS-104	VOL	19920527
	26MS(1)D-7	ELL TO PIPE	MS-104	SUR	19920526

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/I)
B-J	4MS(12)-1	NOZ TO FLANGE	MS-106	VOL	19920506
	4MS(12)-1	NOZ TO FLANGE	MS-106	SUR	19920506
	4MS(12)-2	FLANGE/REDUCER	MS-106	VOL	19920507
	4MS(12)-2	FLANGE/REDUCER	MS-106	SUR	19920507
	12RFW(1)BF-9	PIPE TO ELL	RFW-102	VOL	19920611
	12RFW(1)BF-10	ELL TO PIPE	RFW-102	VOL	19920611
	12RFW(1)BF-11	PIPE TO SE EXT	RFW-102	VOL	19920611
	12RFW(1)BE-8	PIPE TO SE EXT	RFW-102	VOL	19920612
	12RFW(1)BE-8	PIPE TO SE EXT	RFW-102	SUR	19920509
	24RRC(2)A-2	SE TO PIPE	RRC-101	VOL	19920603
	24RRC(2)A-2	SE TO PIPE	RRC-101	SUR	19920502
	24RRC(2)A-2LD	PIPE SEAM	RRC-101	VOL	19920609
	24RRC(2)A-2LD	PIPE SEAM	RRC-101	SUR	19920502
	24RRC(2)A-3LU	PIPE SEAM	RRC-101	VOL	19920609
	24RRC(2)A-3	PIPE TO ELL	RRC-101	VOL	19920603
	24RRC(2)A-3LDD	ELL SEAM	RRC-101	VOL	19920609
	12RRC(1)-N2A-1A	PIPE TO PIPE	RRC-101	SUR	19920603
	12RRC(1)-N2A-4LU	PIPE SEAM	RRC-101	VOL	19920524
	12RRC(1)-N2A-4LU	PIPE SEAM	RRC-101	SUR	19920518
	12RRC(1)-N2A-4	PIPE TO SE	RRC-101	VOL	19920604
	12RRC(1)-N2A-4	PIPE TO SE	RRC-101	SUR	19920518
	12RRC(1)-N2B-1A	PIPE TO PIPE	RRC-101	SUR	19920603
	12RRC(1)-N2B-4LU	PIPE SEAM	RRC-101	VOL	19920524
	12RRC(1)-N2B-4LU	PIPE SEAM	RRC-101	SUR	19920518
	12RRC(1)-N2B-4	PIPE TO SE	RRC-101	VOL	19920603
	12RRC(1)-N2B-4	PIPE TO SE	RRC-101	SUR	19920518
	12RRC(1)-N2C-1A	PIPE TO PIPE	RRC-101	SUR	19920603
	12RRC(1)-N2C-4LU	PIPE SEAM	RRC-101	VOL	19920524
	12RRC(1)-N2C-4LU	PIPE SEAM	RRC-101	SUR	19920518
	12RRC(1)-N2C-4	PIPE TO SE	RRC-101	VOL	19920603
	12RRC(1)-N2C-4	PIPE TO SE	RRC-101	SUR	19920518

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/I)
B-J	12RRC(1)-N2D-1A	PIPE TO PIPE	RRC-101	SUR	19920603
	12RRC(1)-N2D-4LU	PIPE SEAM	RRC-101	VOL	19920524
	12RRC(1)-N2D-4LU	PIPE SEAM	RRC-101	SUR	19920518
	12RRC(1)-N2D-4	PIPE TO SE	RRC-101	VOL	19920605
	12RRC(1)-N2D-4	PIPE TO SE	RRC-101	SUR	19920518
	12RRC(1)-N2E-1A	PIPE TO PIPE	RRC-101	SUR	19920603
	12RRC(1)-N2E-4LU	PIPE SEAM	RRC-101	VOL	19920524
	12RRC(1)-N2E-4LU	PIPE SEAM	RRC-101	SUR	19920519
	12RRC(1)-N2E-4	PIPE TO SE	RRC-101	VOL	19920604
	12RRC(1)-N2E-4	PIPE TO SE	RRC-101	SUR	19920519
	24RRC(2)B-2	SE TO PIPE	RRC-102	VOL	19920601
	24RRC(2)B-2	SE TO PIPE	RRC-102	SUR	19920427
	24RRC(2)B-2LD	PIPE SEAM	RRC-102	VOL	19920609
	24RRC(2)B-2LD	PIPE SEAM	RRC-102	SUR	19920427
	12RRC(1)-N2F-1A	PIPE TO PIPE	RRC-102	SUR	19920603
	12RRC(1)-N2F-4LU	PIPE SEAM	RRC-102	VOL	19920524
	12RRC(1)-N2F-4LU	PIPE SEAM	RRC-102	SUR	19920516
	12RRC(1)-N2F-4	PIPE TO SE	RRC-102	VOL	19920603
	12RRC(1)-N2F-4	PIPE TO SE	RRC-102	SUR	19920516
	12RRC(1)-N2G-1A	PIPE TO PIPE	RRC-102	SUR	19920603
	12RRC(1)-N2G-3	ELL TO PIPE	RRC-102	VOL	19920604
	12RRC(1)-N2G-4LU	PIPE SEAM	RRC-102	VOL	19920524
	12RRC(1)-N2G-4LU	PIPE SEAM	RRC-102	SUR	19920518
	12RRC(1)-N2G-4	PIPE TO SE	RRC-102	VOL	19920604
	12RRC(1)-N2G-4	PIPE TO SE	RRC-102	SUR	19920518
	12RRC(1)-N2H-1A	PIPE TO PIPE	RRC-102	VOL	19920605
	12RRC(1)-N2H-1A	PIPE TO PIPE	RRC-102	SUR	19920531
	12RRC(1)-N2H-3	ELL TO PIPE	RRC-102	VOL	19920603
	12RRC(1)-N2H-4LU	PIPE SEAM	RRC-102	VOL	19920524
	12RRC(1)-N2H-4LU	PIPE SEAM	RRC-102	SUR	19920518
	12RRC(1)-N2H-4	PIPE TO SE	RRC-102	VOL	19920530

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/I)
B-J	12RRC(1)-N2H-4	PIPE TO SE	RRC-102	SUR	19920518
	12RRC(1)-N2J-1A	PIPE TO PIPE	RRC-102	SUR	19920603
	12RRC(1)-N2J-4LU	PIPE SEAM	RRC-102	VOL	19920524
	12RRC(1)-N2J-4LU	PIPE SEAM	RRC-102	SUR	19920518
	12RRC(1)-N2J-4	PIPE TO SE	RRC-102	VOL	19920526
	12RRC(1)-N2J-4	PIPE TO SE	RRC-102	SUR	19920518
	12RRC(1)-N2K-1A	PIPE TO PIPE	RRC-102	SUR	19920603
	12RRC(1)-N2K-4LU	PIPE SEAM	RRC-102	VOL	19920524
	12RRC(1)-N2K-4LU	PIPE SEAM	RRC-102	SUR	19920519
	12RRC(1)-N2K-4	PIPE TO SE	RRC-102	VOL	19920528
	12RRC(1)-N2K-4	PIPE TO SE	RRC-102	SUR	19920526
	20RRC(6)-8	PIPE TO VALVE	RRC-105	VOL	19920616
		COUNT =	105		
B-K-1	HPCS-66(W)	4 WELDED LUGS	HPCS-101	SUR	19920520
	LPCS-13(W)	4 WELDED LUGS	LPCS-101	SUR	19920530
	MS FLUED HEAD C	FLUED HEAD WELD	MS-103	SUR	19920421
		COUNT =	3		
B-M-2	RCIC-V-65-BDY	VALVE BODY	RCIC-102	VT-3	19920523
	RHR-V-41C-BDY	VALVE BODY	RHR-103	VT-3	19920608
	RHR-V-50B-BDY	VALVE BODY	RHR-106	VT-3	19920607
	RRC-V-67A-BDY	VALVE BODY	RRC-101	VT-3	19920523
	RRC-V-67B-BDY	VALVE BODY	RRC-102	VT-3	19920524
		COUNT =	5		
B-N-1	RPV INTERIOR	RPV INTERIOR	RPV-101	VT-3	19920606
		COUNT =	1		

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/I)
B-P	RPV-PB-101(L)	LK PRES BNDRY	RPV-101	VT-2	19920705
	RPV-PB-102(L)	LK PRES BNDRY	RPV-102	VT-2	19920705
	RCIC-PB-101(L)	LK PRES BNDRY	RCIC-101	VT-2	19920705
	RCIC-PB-102(L)	LK PRES BNDRY	RCIC-102	VT-2	19920705
	HPCS-PB-101(L)	LK PRES BNDRY	HPCS-101	VT-2	19920705
	LPCS-PB-101(L)	LK PRES BNDRY	LPCS-101	VT-2	19920705
	RHR-PB-101(L)	LK PRES BNDRY	RHR-101	VT-2	19920705
	RHR-PB-102(L)	LK PRES BNDRY	RHR-102	VT-2	19920705
	RHR-PB-103(L)	LK PRES BNDRY	RHR-103	VT-2	19920705
	RHR-PB-104(L)	LK PRES BNDRY	RHR-104	VT-2	19920705
	RHR-PB-105(L)	LK PRES BNDRY	RHR-105	VT-2	19920705
	RHR-PB-106(L)	LK PRES BNDRY	RHR-106	VT-2	19920705
	MS-PB-101(L)	LK PRES BNDRY	MS-101	VT-2	19920705
	MS-PB-102(L)	LK PRES BNDRY	MS-102	VT-2	19920705
	MS-PB-103(L)	LK PRES BNDRY	MS-103	VT-2	19920705
	MS-PB-104(L)	LK PRES BNDRY	MS-104	VT-2	19920705
	MS-PB-105(L)	LK PRES BNDRY	MS-105	VT-2	19920705
	MS-PB-106(L)	LK PRES BNDRY	MS-106	VT-2	19920705
	RFW-PB-101(L)	LK PRES BNDRY	RFW-101	VT-2	19920705
	RFW-PB-102(L)	LK PRES BNDRY	RFW-102	VT-2	19920705
	RFW-PB-103(L)	LK PRES BNDRY	RFW-103	VT-2	19920705
	RRC-PB-101(L)	LK PRES BNDRY	RRC-101	VT-2	19920705
	RRC-PB-102(L)	LK PRES BNDRY	RRC-102	VT-2	19920705
	RRC-PB-103(L)	LK PRES BNDRY	RRC-103	VT-2	19920705
	RRC-PB-104(L)	LK PRES BNDRY	RRC-104	VT-2	19920705
	RRC-PB-105(L)	LK PRES BNDRY	RRC-105	VT-2	19920705
	RRC-PB-106(L)	LK PRES BNDRY	RRC-106	VT-2	19920705
	RRC-PB-107(L)	LK PRES BNDRY	RRC-107	VT-2	19920705
	RRC-PB-108(L)	LK PRES BNDRY	RRC-108	VT-2	19920705
	RRC-PB-109(L)	LK PRES BNDRY	RRC-109	VT-2	19920705
	RRC-PB-110(L)	LK PRES BNDRY	RRC-110	VT-2	19920705

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/I)
B-P	RRC-PB-111(L)	LK PRES BNDRY	RRC-111	VT-2	19920705
	RWCU-PB-101(L)	LK PRES BNDRY	RWCU-101	VT-2	19920705
	SLC-PB-101(L)	LK PRESS BNDRY	SLC-101	VT-2	19920705
	COUNT =	34			
C-F-2	6RCIC(1)-54	ELL TO PIPE	RCIC-205	VOL	19920512
	6RCIC(1)-54	ELL TO PIPE	RCIC-205	SUR	19920514
	6RCIC(1)-54/2(3)-4	BRANCH CONN	RCIC-205	SUR	19920512
	6RCIC(1)-65	PIPE TO TEE	RCIC-205	VOL	19920512
	6RCIC(1)-65	PIPE TO TEE	RCIC-205	SUR	19920512
	6RCIC(6)-1	TEE TO PIPE	RCIC-205	SUR	19920512
	6RCIC(6)-2	PIPE TO ELL	RCIC-205	VOL	19920511
	6RCIC(6)-2	PIPE TO ELL	RCIC-205	SUR	19920511
	6RCIC(1)-72	ELL TO PIPE	RCIC-205	VOL	19920512
	6RCIC(1)-72	ELL TO PIPE	RCIC-205	SUR	19920511
	12HPCS(3)-1A	TEE TO RD	HPCS-202	VOL	19920523
	12HPCS(3)-1A	TEE TO RD	HPCS-202	SUR	19920516
	12HPCS(3)-1B	RD TO PIPE	HPCS-202	VOL	19920512
	12HPCS(3)-1B	RD TO PIPE	HPCS-202	SUR	19920512
	12HPCS(3)-1C	PIPE TO RD	HPCS-202	VOL	19920512
	12HPCS(3)-1C	PIPE TO RD	HPCS-202	SUR	19920512
	12HPCS(3)-3A	RD TO PIPE	HPCS-202	VOL	19920523
	12HPCS(3)-3A	RD TO PIPE	HPCS-202	SUR	19920522
	16HPCS(1)-42	ELL TO PIPE	HPCS-202	VOL	19920513
	16HPCS(1)-42	ELL TO PIPE	HPCS-202	SUR	19920513
	24LPCS(2)-8	PIPE TO ELL	LPCS-201	VOL	19920521
	24LPCS(2)-8	PIPE TO ELL	LPCS-201	SUR	19920521
	24LPCS(2)-16	PIPE TO NOZZLE	LPCS-201	VOL	19920528
	24LPCS(2)-16	PIPE TO NOZZLE	LPCS-201	SUR	19920527
	12RHR(1)A-3A	PIPE TO ELL	RHR-201	VOL	19920507

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/I)
C-F-2	12RHR(1)A-3A	PIPE TO ELL	RHR-201	SUR	19920507
	16RHR(5)A-3	ELL TO PIPE	RHR-202	VOL	19920601
	16RHR(5)A-3	ELL TO PIPE	RHR-202	SUR	19920601
	16RHR(5)A-10	PIPE TO VALVE	RHR-202	VOL	19920601
	16RHR(5)A-10	PIPE TO VALVE	RHR-202	SUR	19920530
	18RHR(4)A-23	ELL TO PIPE	RHR-203	VOL	19920505
	18RHR(4)A-23	ELL TO PIPE	RHR-203	SUR	19920504
	18RHR(4)A-25	PIPE TO ELL	RHR-203	VOL	19920505
	18RHR(4)A-25	PIPE TO ELL	RHR-203	SUR	19920504
	20RHR(2)A-11/10RHR(2)-2	PIPE TO WOL	RHR-205	SUR	19920506
	18RHR(2)A-1	REDUCER TO PIPE	RHR-205	VOL	19920511
	18RHR(2)A-1	REDUCER TO PIPE	RHR-205	SUR	19920511
	18RHR(2)A-2	PIPE TO TEE	RHR-205	VOL	19920511
	18RHR(2)A-2	PIPE TO TEE	RHR-205	SUR	19920511
COUNT =		39			
D-A	MS-289(W)	WELDED ATTACH	MS-308	VT-3	19920427
	MSRV-4B-5(W)	WELDED ATTACH	MS-308	VT-3	19920427
	MSRV-4B-7(W)	WELDED ATTACH	MS-308	VT-3	19920427
	MSRV-4B-10(W)	WELDED ATTACH	MS-308	VT-3	19920427
	MS-291(W)	WELDED ATTACH	MS-308	VT-3	19920422
	MSRV-3C-2(W)	WELDED ATTACH	MS-312	VT-3	19920429
	MSRV-3C-1(W)	WELDED ATTACH	MS-312	VT-3	19920429
	MSRV-3C-3(W)	WELDED ATTACH	MS-312	VT-3	19920429
	MSRV-3C-8(W)	WELDED ATTACH	MS-312	VT-3	19920422
	MSRV-3C-4(W)	WELDED ATTACH	MS-312	VT-3	19920422
	MSRV-3C-6(W)	WELDED ATTACH	MS-312	VT-3	19920422
	MSRV-3C-5(W)	WELDED ATTACH	MS-312	VT-3	19920422
	MSRV-3C-10(W)	WELDED ATTACH	MS-312	VT-3	19920422
	MSRV-5C-3(W)	WELDED ATTACH	MS-314	VT-3	19920429

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/I)
D-A	MSRV-5C-2(W)	WELDED ATTACH	MS-314	VT-3	19920429
	MS-325(W)	WELDED ATTACH	MS-314	VT-3	19920429
	MSRV-5C-6(W)	WELDED ATTACH	MS-314	VT-3	19920427
	MSRV-5C-4(W)	WELDED ATTACH	MS-314	VT-3	19920427
	MSRV-5C-7(W)	WELDED ATTACH	MS-314	VT-3	19920427
	MS-327(W)	WELDED ATTACH	MS-314	VT-3	19920422
	MS-346(W)	WELDED ATTACH	MS-314	VT-3	19920422
	MS-310(W)	WELDED ATTACH	MS-315	VT-3	19920422
	MS-340(W)	WELDED ATTACH	MS-315	VT-3	19920422
	MSRV-3D-4(W)	WELDED ATTACH	MS-317	VT-3	19920429
	MS-316(W)	WELDED ATTACH	MS-317	VT-3	19920422
	MSRV-4D-2(W)	WELDED ATTACH	MS-318	VT-3	19920429
		COUNT =	26		
D-B	SW-436(W)	WELDED ATTACH	SW-301	VT-3	19920511
	SW-29(W)	WELDED ATTACH	SW-305	VT-3	19920513
	SW-119(W)	WELDED ATTACH	SW-305	VT-3	19920513
	SW-920N(W)	WELDED ATTACH	SW-307	VT-3	19920509
		COUNT =	4		
IWF	RCIC-74	SPRING	RCIC-101	VT3H	19920504
	RCIC-1C-12	RIGID STRUT	RCIC-101	VT3H	19920518
	RCIC-1C-16	RIGID STRUT	RCIC-101	VT3H	19920518
	RCIC-1C-7	RIGID STRUT	RCIC-101	VT3H	19920515
	RCIC-1C-5	RIGID STRUT	RCIC-101	VT3H	19920516
	RCIC-1C-13	RIGID STRUT	RCIC-101	VT3H	19920518
	RCIC-1C-2	RIGID STRUT	RCIC-101	VT3H	19920511
	RCIC-1C-1	RIGID STRUT	RCIC-101	VT3H	19920601
	RCIC-30	SPRING	RCIC-203	VT3H	19920603

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/I)
IWF	RCIC-28	BOX	RCIC-203	VT3H	19920603
	RCIC-971N	PSA-1 SNUBBER	RCIC-203	VT3H	19920508
	RCIC-4	PSA-1 SNUBBER	RCIC-203	VT3H	19920508
	RCIC-5	STRUT(2)	RCIC-203	VT3H	19920508
	RCIC-6	SPRING	RCIC-203	VT3H	19920508
	RCIC-7	ANCHOR	RCIC-203	VT3H	19920603
	RCIC-25	STRUT	RCIC-203	VT3H	19920508
	RCIC-23	STRUT	RCIC-203	VT3H	19920508
	RCIC-24	STRUT	RCIC-203	VT3H	19920508
	RCIC-26	PSA-3 SNUBBER	RCIC-203	VT3H	19920529
	RCIC-27	SPRING	RCIC-203	VT3H	19920529
	RCIC-8	STRUT	RCIC-205	VT3H	19920519
	RCIC-19	BOX	RCIC-205	VT3H	19920520
	RCIC-20	BOX	RCIC-205	VT3H	19920520
	RCIC-956N	STRUT	RCIC-205	VT3H	19920520
	RCIC-21	STRUT	RCIC-205	VT3H	19920520
	HPCS-42	SPRING	HPCS-101	VT3H	19920513
	HPCS-907N	STRUT	HPCS-101	VT3H	19920425
	HPCS-911N	RIGID STRUT	HPCS-101	VT3H	19920516
	HPCS-908N	STRUT	HPCS-101	VT3H	19920425
	HPCS-906N	SPRING	HPCS-101	VT3H	19920425
	HPCS-905N	PSA-10 SNUBBER	HPCS-202	VT3H	19920513
	HPCS-924N	PSA-3 SN(2)	HPCS-202	VT3H	19920513
	LPCS-28	PSA-3 SNUBBER	LPCS-101	VT3H	19920513
	LPCS-900N	BOX	LPCS-201	VT3H	19920528
	LPCS-3	ANCHOR	LPCS-201	VT3H	19920527
	LPCS-2	RIGID	LPCS-201	VT3H	19920527
	LPCS-902N	SPRING	LPCS-201	VT3H	19920527
	LPCS-1	RIGID	LPCS-201	VT3H	19920527
	RHR-231	SPRING	RHR-101	VT3H	19920513
	RHR-907N	PSA-35 SNUBBER	RHR-102	VT3H	19920513

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/I)
IWF	RHR-482	STRUT	RHR-102	VT3H	19920513
	RHR-483	SPRING	RHR-102	VT3H	19920513
	RHR-523	SPRING	RHR-102	VT3H	19920425
	RHR-388	PSA-10 SN(2)	RHR-102	VT3H	19920425
	RHR-522	SPRING	RHR-102	VT3H	19920425
	RHR-389	PSA-35 SNUBBER	RHR-102	VT3H	19920425
	RHR-87	PSA-10 SNUBBER	RHR-103	VT3H	19920513
	RHR-1017N	SPRING	RHR-103	VT3H	19920513
	RHR-526	SPRING	RHR-103	VT3H	19920425
	RHR-286	PSA-10 SN(2)	RHR-103	VT3H	19920425
	RHR-525	SPRING	RHR-103	VT3H	19920425
	RHR-SA-53	PSA-10 SNUBBER	RHR-104	VT3H	19920502
	RHR-425	SPRING	RHR-104	VT3H	19920504
	RHR-SA-55	PSA-100 SNUBBER	RHR-104	VT3H	19920504
	RHR-SA-57	PSA-35 SNUBBER	RHR-104	VT3H	19920504
	RHR-428	SPRING	RHR-104	VT3H	19920502
	RHR-SA-56	PSA-10 SNUBBER	RHR-104	VT3H	19920502
	RHR-SA-58	PSA-35 SN(2)	RHR-104	VT3H	19920425
	RHR-514	SPRING	RHR-106	VT3H	19920502
	RHR-SB-38	PSA-10 SNUBBER	RHR-106	VT3H	19920502
	RHR-SB-37	PSA-10 SNUBBER	RHR-106	VT3H	19920502
	RHR-SB-35	PSA-10 SNUBBER	RHR-106	VT3H	19920502
	RHR-SB-36	PSA-10 SNUBBER	RHR-106	VT3H	19920502
	RHR-SB-32	PSA-10 SNUBBER	RHR-106	VT3H	19920502
	RHR-SB-33	PSA-10 SNUBBER	RHR-106	VT3H	19920502
	RHR-318	SPRING	RHR-106	VT3H	19920502
	RHR-248	SPRING	RHR-202	VT3H	19920515
	RHR-252	SPRING	RHR-202	VT3H	19920514
	RHR-958N	ANCHOR	RHR-202	VT3H	19920530
	RHR-256	PSA-35 SNUBBER	RHR-202	VT3H	19920507
	RHR-257	SPRING	RHR-202	VT3H	19920507

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/D)
IWF	RHR-262	SPRING	RHR-203	VT3H	19920515
	RHR-407	SPRING	RHR-203	VT3H	19920514
	RHR-409	BOX	RHR-203	VT3H	19920515
	RHR-410	ANCHOR	RHR-203	VT3H	19920515
	RHR-411	BOX	RHR-203	VT3H	19920504
	RHR-412	STRUT	RHR-203	VT3H	19920504
	RHR-414	PSA-3 SN(2)	RHR-203	VT3H	19920504
	RHR-415	STRUT	RHR-203	VT3H	19920504
	RHR-416	PSA-10 SN(2)	RHR-203	VT3H	19920424
	RHR-420	SPRING	RHR-203	VT3H	19920504
	RHR-417	STRUT	RHR-203	VT3H	19920504
	RHR-150	PSA-3 SN(2)	RHR-203	VT3H	19920504
	RHR-150	SPRING	RHR-203	VT3H	19920504
	RHR-952N	PSA-3 SNUBBER	RHR-203	VT3H	19920504
	RHR-977N	PSA-3 SN(2)	RHR-203	VT3H	19920504
	RHR-986N	PSA-1 SNUBBER	RHR-203	VT3H	19920504
	RHR-946N	PSA-3 SNUBBER	RHR-203	VT3H	19920528
	RHR-984N	SPRING	RHR-204	VT3H	19920519
	RHR-66	SPRING	RHR-205	VT3H	19920528
	RHR-59	PSA-10 SNUBBER	RHR-205	VT3H	19920506
	RHR-61	PSA-10 SNUBBER	RHR-205	VT3H	19920506
	RHR-62	SPRING	RHR-205	VT3H	19920506
	RHR-60	PSA-3 SNUBBER	RHR-205	VT3H	19920506
	RHR-166	SPRING	RHR-205	VT3H	19920506
	RHR-920N	BOX	RHR-207	VT3H	19920512
	RHR-924N	SPRING	RHR-207	VT3H	19920512
	RHR-921N	BOX	RHR-207	VT3H	19920512
	RHR-901N	PSA-3 SN(2)	RHR-207	VT3H	19920425
	RHR-912N	PSA-10 SNUBBER	RHR-207	VT3H	19920512
	RHR-218	PSA-10 SN(2)	RHR-207	VT3H	19920512
	RHR-915N	PSA-10 SNUBBER	RHR-207	VT3H	19920512

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/D)
IWF	RHR-902N	PSA-10 SNUBBER	RHR-207	VT3H	19920512
	RHR-184	STRUT	RHR-207	VT3H	19920512
	RHR-181	SPRING	RHR-207	VT3H	19920512
	MS-SB-7	RIGID STRUT	MS-102	VT3H	19920520
	MS-SB-9	RIGID STRUT	MS-102	VT3H	19920501
	MS-SB-3	RIGID STRUT	MS-102	VT3H	19920519
	MS-SB-1	RIGID STRUT	MS-102	VT3H	19920520
	MS-SB-2	RIGID STRUT	MS-102	VT3H	19920520
	MS-SC-4	PSA-35 SNUBBER	MS-103	VT3H	19920502
	MS-SC-1	PSA-100 SNUBBER	MS-103	VT3H	19920502
	MS-SC-2	PSA-100 SNUBBER	MS-103	VT3H	19920502
	MS-1368-13	PSA-1/2 SNUBBER	MS-105	VT3H	19920502
	MS-1368-12	PSA-1/2 SNUBBER	MS-105	VT3H	19920502
	MS-1368-11	SPRING	MS-105	VT3H	19920605
	MS-1369-13	PSA-1/2 SNUBBER	MS-105	VT3H	19920502
	MS-1369-12	PSA-1/2 SNUBBER	MS-105	VT3H	19920502
	MS-1369-11	SPRING	MS-105	VT3H	19920502
	MS-256	STRUT	MS-206	VT3H	19920425
	RFW-148	STRUT	RFW-101	VT3H	19920504
	RFW-157	SPRING	RFW-101	VT3H	19920425
	RRC-SB-25	PSA-35 SNUBBER	RRC-102	VT3H	19920502
	RRC-SB-1	PSA-35 SNUBBER	RRC-102	VT3H	19920502
	RRC-SB-2	PSA-35 SNUBBER	RRC-102	VT3H	19920502
	RRC-SB-66	PSA-35 SNUBBER	RRC-102	VT3H	19920502
	RRC-SB-8	PSA-35 SNUBBER	RRC-102	VT3H	19920514
	RRC-SB-9	PSA-35 SNUBBER	RRC-102	VT3H	19920514
	RRC-SB-17	PSA-35 SNUBBER	RRC-102	VT3H	19920514
	RRC-SB-18	PSA-35 SNUBBER	RRC-102	VT3H	19920514
	RHR-SB-30	PSA-10 SNUBBER	RRC-107	VT3H	19920514
	SW-59	BOX	SW-301	VT3H	19920509
	SW-436	STRUT	SW-301	VT3H	19920509

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/D)
IWF	SW-61	STRUT	SW-301	VT3H	19920509
	SW-172	STRUT	SW-301	VT3H	19920509
	SW-62	STRUT	SW-301	VT3H	19920509
	SW-63	BOX	SW-301	VT3H	19920512
	SW-65	STRUT	SW-301	VT3H	19920512
	SW-66	BOX	SW-301	VT3H	19920512
	SW-71	STRUT	SW-301	VT3H	19920512
	SW-173	STRUT	SW-301	VT3H	19920509
	SW-68	BOX	SW-301	VT3H	19920509
	SW-171	STRUT	SW-301	VT3H	19920508
	SW-70	STRUT	SW-301	VT3H	19920508
	SW-126	STRUT	SW-301	VT3H	19920508
	SW-942N	STRUT	SW-301	VT3H	19920508
	SW-435	BOX	SW-301	VT3H	19920508
	SW-73	STRUT	SW-301	VT3H	19920508
	SW-200	STRUT	SW-301	VT3H	19920508
	SW-74	STRUT	SW-301	VT3H	19920508
	SW-434	BOX	SW-301	VT3H	19920508
	SW-76	STRUT	SW-301	VT3H	19920508
	SW-201	STRUT	SW-301	VT3H	19920508
	SW-120	BOX	SW-301	VT3H	19920508
	SW-430	STRUT	SW-301	VT3H	19920513
	SW-122	SPRING (2)	SW-301	VT3H	19920515
	SW-123	RIGID	SW-301	VT3H	19920514
	SW-147	BOX	SW-303	VT3H	19920512
	SW-148	SPRING (2)	SW-303	VT3H	19920512
	SW-941N	BOX	SW-303	VT3H	19920515
	SW-940N	BOX	SW-303	VT3H	19920515
	SW-939N	BOX	SW-303	VT3H	19920511
	SW-358	BOX	SW-304	VT3H	19920425
	SW-357	BOX	SW-304	VT3H	19920425

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/D)
IWF	SW-356	BOX	SW-304	VT3H	19920425
	SW-354	BOX	SW-304	VT3H	19920425
	SW-426	BOX	SW-304	VT3H	19920425
	SW-355	BOX	SW-304	VT3H	19920425
	SW-194	STRUT	SW-305	VT3H	19920512
	SW-28	STRUT	SW-305	VT3H	19920512
	SW-179	STRUT	SW-305	VT3H	19920513
	SW-27	STRUT	SW-305	VT3H	19920513
	SW-29	PSA-10 SN(4)	SW-305	VT3H	19920424
	SW-119	SPRING (2)	SW-305	VT3H	19920513
	SW-22	SPRING	SW-305	VT3H	19920609
	SW-308	BOX	SW-306	VT3H	19920425
	SW-307	BOX	SW-306	VT3H	19920425
	SW-266	BOX	SW-306	VT3H	19920425
	SW-267	BOX	SW-306	VT3H	19920425
	SW-292	BOX	SW-306	VT3H	19920425
	SW-293	BOX	SW-306	VT3H	19920425
	SW-294	BOX	SW-306	VT3H	19920425
	SW-306	BOX	SW-306	VT3H	19920425
	SW-303	BOX	SW-306	VT3H	19920425
	SW-302	BOX	SW-306	VT3H	19920425
	SW-301	BOX	SW-306	VT3H	19920425
	SW-312	BOX	SW-306	VT3H	19920425
	SW-79	STRUT	SW-307	VT3H	19920603
	SW-80	BOX	SW-307	VT3H	19920603
	SW-81	BOX	SW-307	VT3H	19920603
	SW-914N	STRUT(2)	SW-307	VT3H	19920513
	SW-917N	SPRING	SW-307	VT3H	19920513
	SW-386	STRUT	SW-307	VT3H	19920513
	SW-83	STRUT	SW-307	VT3H	19920513
	SW-197	BOX	SW-307	VT3H	19920513

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/D)
IWF	SW-84	STRUT	SW-307	VT3H	19920513
	SW-180	STRUT	SW-307	VT3H	19920513
	SW-195	BOX	SW-307	VT3H	19920512
	SW-943N	STRUT	SW-307	VT3H	19920501
	SW-19	BOX	SW-307	VT3H	19920501
	SW-919N	BOX	SW-307	VT3H	19920511
	SW-920N	BOX	SW-307	VT3H	19920511
	SW-921N	BOX	SW-307	VT3H	19920501
	SW-922N	BOX	SW-307	VT3H	19920501
	SW-923N	BOX	SW-307	VT3H	19920501
	SW-924N	BOX	SW-307	VT3H	19920501
	SW-925N	BOX	SW-307	VT3H	19920501
	SW-926N	BOX	SW-307	VT3H	19920501
	SW-933N	BOX	SW-307	VT3H	19920512
	SW-935N	BOX	SW-307	VT3H	19920501
	SW RING HDR A(CS)	RING HDR SUPPT	SW-307	VT3H	19920511
	SW-259	BOX	SW-308	VT3H	19920425
	SW-304	BOX	SW-308	VT3H	19920425
	SW-13	BOX	SW-309	VT3H	19920501
	SW-962N	RIGID	SW-312	VT3H	19920513
	SW-963N	RIGID	SW-312	VT3H	19920513
	SW-964N	RIGID	SW-312	VT3H	19920513
	SW-965N	RIGID	SW-312	VT3H	19920513
	SW-966N	RIGID	SW-312	VT3H	19920515
	SW-959N	RIGID	SW-313	VT3H	19920513
	SW-958N	RIGID	SW-313	VT3H	19920507
	SW-957N	RIGID	SW-313	VT3H	19920513
	SW-954N	RIGID	SW-314	VT3H	19920513
	SW-953N	RIGID	SW-314	VT3H	19920610
	SW-983N	ANCHOR	SW-314	VT3H	19920515
	FPC-126	STRUT	FPC-306	VT3H	19920528

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/D)
JWF	FPC-123	BOX	FPC-306	VT3H	19920528
	FPC-99	BOX	FPC-307	VT3H	19920528
	FPC-47	BOX	FPC-307	VT3H	19920602
	FPC-48	BOX	FPC-307	VT3H	19920528
	FPC-49	BOX	FPC-307	VT3H	19920528
	FPC-100	BOX	FPC-307	VT3H	19920602
	FPC-50	BOX	FPC-307	VT3H	19920529
	FPC-907N	RIGID	FPC-307	VT3H	19920529
	MSRV-2B-2	RIGID STRUT	MS-306	VT3H	19920506
	MSRV-2B-6	RIGID STRUT	MS-306	VT3H	19920430
	MSRV-3B-6	RIGID STRUT	MS-307	VT3H	19920430
	MSRV-3B-7	RIGID STRUT	MS-307	VT3H	19920430
	MS-287	SPRING	MS-308	VT3H	19920430
	MSRV-4B-3	PSA-10 SNUBBER	MS-308	VT3H	19920430
	MS-288	SPRING	MS-308	VT3H	19920427
	MS-289	SPRING	MS-308	VT3H	19920427
	MSRV-4B-5	RIGID STRUT	MS-308	VT3H	19920430
	MSRV-4B-7	RIGID STRUT	MS-308	VT3H	19920430
	MS-291	SPRING	MS-308	VT3H	19920422
	MS-292	SPRING	MS-308	VT3H	19920422
	MSRV-4B-9PS	RIGID	MS-308	VT3H	19920422
	MSRV-5B-7	RIGID STRUT	MS-309	VT3H	19920516
	MSRV-5B-8	RIGID STRUT	MS-309	VT3H	19920516
	MS-300	SPRING	MS-312	VT3H	19920430
	MSRV-3C-2	PSA-10 SNUBBER	MS-312	VT3H	19920429
	MSRV-3C-1	PSA-35 SNUBBER	MS-312	VT3H	19920429
	MSRV-3C-3	PSA-10 SNUBBER	MS-312	VT3H	19920429
	MS-301	SPRING	MS-312	VT3H	19920430
	MSRV-3C-8	PSA-10 SNUBBER	MS-312	VT3H	19920422
	MS-302	SPRING	MS-312	VT3H	19920422
	MSRV-3C-6	PSA-10 SNUBBER	MS-312	VT3H	19920422

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/D)
IwF	MSRV-3C-5	PSA-10 SNUBBER	MS-312	VT3H	19920422
	MSRV-3C-7	PSA-10 SNUBBER	MS-312	VT3H	19920422
	MS-303	SPRING	MS-312	VT3H	19920422
	MSRV-3C-10	STRUT	MS-312	VT3H	19920422
	MS-338	SPRING	MS-312	VT3H	19920422
	MSRV-5C-3	PSA-35 SNUBBER	MS-314	VT3H	19920429
	MS-324	SPRING	MS-314	VT3H	19920429
	MSRV-5C-2	PSA-10 SNUBBER	MS-314	VT3H	19920429
	MSRV-5C-1	PSA-10 SNUBBER	MS-314	VT3H	19920421
	MS-325	SPRING	MS-314	VT3H	19920427
	MSRV-5C-6	PSA-10 SNUBBER	MS-314	VT3H	19920427
	MSRV-5C-4	PSA-35 SNUBBER	MS-314	VT3H	19920427
	MS-326	SPRING	MS-314	VT3H	19920427
	MSRV-5C-5	PSA-10 SNUBBER	MS-314	VT3H	19920427
	MSRV-5C-7	PSA-10 SNUBBER	MS-314	VT3H	19920427
	MSRV-5C-8	PSA-35 SNUBBER	MS-314	VT3H	19920427
	MS-327	SPRING	MS-314	VT3H	19920422
	MS-346	SPRING	MS-314	VT3H	19920422
	MSRV-5C-9	PSA-10 SNUBBER	MS-314	VT3H	19920422
	MS-308	SPRING	MS-315	VT3H	19920430
	MSRV-1D-3	PSA-10 SNUBBER	MS-315	VT3H	19920430
	MS-309	SPRING	MS-315	VT3H	19920430
	MS-310	SPRING	MS-315	VT3H	19920422
	MS-340	SPRING	MS-315	VT3H	19920422
	MSRV-1D-7PS	RIGID	MS-315	VT3H	19920429
	MS-314	SPRING	MS-317	VT3H	19920429
	MSRV-3D-4	PSA-10 SNUBBER	MS-317	VT3H	19920429
	MS-315	SPRING	MS-317	VT3H	19920429
	MSRV-3D-7	STRUT	MS-317	VT3H	19920422
	MS-316	SPRING	MS-317	VT3H	19920422
	MSRV-3D-8PS	RIGID	MS-317	VT3H	19920422

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF92A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM. DATE (Y/M/D)
IWF	MS-342	SPRING	MS-317	VT3H	19920422
	MS-317	SPRING	MS-318	VT3H	19920429
	MSRV-4D-2	PSA-10 SNUBBER	MS-318	VT3H	19920429
	COUNT =		291		
N/A	JET PUMP BEAMS	JP HLD DWN BMS	RPV-101	VT-1	19920606
	INCORE DRY TUBES	INCORE DRY TUBE	RPV-101	VT-1	19920606
	CORE SPRAY SPARGERS	CORE SPRAY SPG	RPV-101	VT-1	19920606
	FEEDWATER SPARGERS	FW SPARGERS	RPV-101	VT-1	19920606
	STEAM DRYER	STEAM DRYER	RPV-101	VT-3	19920510
	STM SEP HOLDDOWN BOLTS	SHROUD BOLTS	MISC	VOL	19920611
	24CSP(1)-1	FLANGE TO ELL	MISC	VOL	19920604
	COUNT =		7		
TOTAL COUNT =		747			

TABLE II
Limited Examinations

Nozzle	Scan	Code volume sq. in.	Volume examined	% of total exam volume
N1	0° VM	134.0	58.2	43.4
N1	45° T	134.0	100.7	75.1
N1	60° T	134.0	109.5	81.7
N1	45° P	134.0	69.0	51.5
N1	60° P	134.0	93.1	69.5
N2	0° VM	135.0	59.5	44.1
N2	45° T	135.0	101.6	75.3
N2	60° T	135.0	110.4	81.8
N2	45° P	135.0	89.0	65.9
N2	60° P	135.0	102.0	75.6
N4	0° VM	64.2	26.7	41.6
N4	45° T	64.2	46.0	71.7
N4	60° T	64.2	50.7	79.0
N4	45° P	64.2	31.1	48.4
N4	60° P	64.2	36.2	56.4
N6	0° VM	64.3	26.7	41.5
N6	45° T	64.3	46.7	72.6
N6	60° T	64.3	51.2	79.6
N6	45° P	64.3	30.3	47.3
N6	60° P	64.3	39.0	60.7
N9	0° VM	127.5	98.8	77.5
N9	45° T	127.5	122.0	95.7
N9	60° T	127.5	124.0	97.3
N9	45° P	127.5	98.8	77.5
N9	60° P	127.5	98.8	77.5
N10	0° VM	61.1	52.6	86.1
N10	45° T	61.1	60.2	98.5
N10	60° T	61.1	60.5	99.0
N10	45° P	61.1	52.6	86.1
N10	60° P	61.1	52.6	86.1
N16	0° VM	66.2	27.3	41.2
N16	45° T	66.2	48.1	72.7
N16	60° T	66.2	53.0	80.1
N16	45° P	66.2	31.8	48.0
N16	60° P	66.2	37.2	56.2
N1	IR	5.9	5.9	100.0
N2	IR	6.0	6.0	100.0
N4	IR	3.9	3.9	100.0
N6	IR	4.0	4.0	100.0
N9	IR	4.0	4.0	100.0
N10	IR	5.6	5.6	100.0
N16	IR	4.0	4.0	100.0

Table 1 - Summary of Code Inspection Volume Examined

This table is based on examination from one side only, per Section V, Article 4, Paragraph T-441.4.4, excludes the outer 1/2" of exam volume as not effectively examined, and assumes that automated exam terminates at veld centerline and manual exam terminates at edge of blend radius

From General Electric Report "GERIS O.D. 1992 R.P.V. ISI Final Report",
June 30, 1992

ISI SUMMARY REPORT RF92A

TABLE II(cont)
Limited Examinations

<u>Identification No.</u>	<u>Data Sheet No.</u>	<u>Remarks</u>
3MS(20)-1	1MSU-068	No scan C&D on surface #2 due to valve configuration. No scans performed on surface #1 from 0" to 6" CW from TDC due to hanger MS-954N snubber attachment.
3MS(20)-2	1MSU-069	No scans performed on surface #2 from 0" to 6" CW from TDC due to hanger MS-954N snubber attachment.
3MS(20)-4	1MSU-071	No scan C&D on surface #2 from 3" CW or CCW from TDC due to deleted snubber support MS-256.

TABLE III
SNUBBER TEST SUMMARY

HANGER MARK NO. (& POSITION) DESCRIPTION & SERIAL NO. -----	TEST DATE YR/MO/DA -----	TEST RESULT ACC/REJ -----	REPLACEMENT SERIAL NO. -----	RETEST NEXT OUTAGE: Y/N -----
DE-2837-17 PSA-1/4 SNUBBER 6214	19920420	ACC		NO
DE-902N BOTTOM PSA-1 SN(2) 576	19920420	ACC		NO
FPC-227 PSA-3 SNUBBER 2365	19920422	ACC		NO
FPC-43 PSA-3 SNUBBER 2357	19920423	ACC		NO
HPCS-910N NORTH PSA-3 SN(2) 2579	19920425	ACC	DELETED	NO
HPCS-911N PSA-10 SNUBBER 9935	19920427	ACC	DELETED	NO
MD-1285-14D PSA-1/2 SNUBBER 2528	19920512	ACC		NO
MD-1285-14D PSA-1/2 SNUBBER 4047	19920424	ACC	2528	NO
MD-1288-18 PSA-1/4 SNUBBER 287	19920424	ACC		NO
MS-96 BOTTOM PSA-10 SN(2) 286	19920424	ACC		NO
MS-996N BOTTOM PSA-10 SN(2) 9955	19920424	ACC		NO

TABLE III
SNUBBER TEST SUMMARY

HANGER MARK NO. (& POSITION) DESCRIPTION & SERIAL NO.	TEST DATE YR/MO/DA	TEST RESULT ACC/REJ	REPLACEMENT SERIAL NO.	RETEST NEXT OUTAGE: Y/N
MS-SC-5 PSA-35 SNUBBER 4150	19920425	ACC		NO
MSRV-1B-2 PSA-10 SNUBBER 13035	19920422	ACC		NO
MSRV-1C-3 PSA-35 SNUBBER 10731	19920425	ACC		NO
MSRV-2B-1 PSA-10 SNUBBER 13063	19920427	ACC	DELETED	NO
MSRV-2C-1 PSA-10 SNUBBER 685	19920427	ACC		NO
MSRV-3C-7 PSA-10 SNUBBER 9897	19920427	ACC		NO
MSRV-4A-2 PSA-10 SNUBBER 694	19920427	ACC		NO
MSRV-5B-2 PSA-35 SNUBBER 6205	19920425	ACC	DELETED	NO
RCIC-1C-13 TOP PSA-3 SN(2) 4461	19920425	ACC	DELETED	NO
RCIC-944N BOTTOM PSA-3 SN(2) 3908	19920425	ACC		NO
RCIC-945N PSA-10 SNUBBER 9924	19920425	ACC		NO

TABLE III
SNUBBER TEST SUMMARY

HANGER MARK NO. (& POSITION) DESCRIPTION & SERIAL NO.	TEST DATE YR/MO/DA	TEST RESULT ACC/REJ	REPLACEMENT SERIAL NO.	RETEST NEXT OUTAGE: Y/N
RHR-23 WEST PSA-1/4 SN(2) 305	19920424	ACC		NO
RHR-382 PSA-35 SNUBBER 6126	19920425	ACC		NO
RHR-416 TOP PSA-10 SN(2) 9906	19920424	ACC		NO
RHR-437 SOUTH PSA-3 SN(2) 4456	19920422	ACC		NO
RHR-479 WEST PSA-3 SN(2) 292	19920423	ACC		NO
RHR-495 TOP PSA-35 SN(2) 6163	19920425	ACC		NO
RHR-562 PSA-3 SNUBBER 2351	19920422	ACC		NO
RHR-563 NORTH PSA-1 SN(2) 361	19920422	ACC		NO
RHR-901N NORTH PSA-3 SN(2) 265	19920425	ACC		NO
RHR-998N PSA-3 SNUBBER 3936	19920422	ACC		NO
RHR-SA-54 PSA-35 SNUBBER 6125	19920425	ACC		NO

TABLE III
SNUBBER TEST SUMMARY

HANGER MARK NO. (& POSITION) DESCRIPTION & SERIAL NO.	TEST DATE YR/MO/DA	TEST RESULT ACC/REJ	REPLACEMENT SERIAL NO.	RETEST NEXT OUTAGE: Y/N
RHR-SA-58 NORTH/EA PSA-35 SN(2) 6216	19920425	ACC		NO
RHR-SB-39 BOTTOM PSA-3 SN(2) 224	19920425	ACC		NO
RRC-1946-32 PSA-1/4 SNUBBER 6212	19920427	ACC		NO
RRC-1C-900N TOP PSA-1 SN(2) 583	19920427	ACC		NO
SW-29 NORTH WE PSA-10 SN(4) 4859	19920424	ACC		NO

TOTAL COUNT = 38

TABLE IV
Significant Indications

Data sheet No.	Identification No.	Description	Remarks
1RPV-160	CRD HOUSING 42-59 BLT	CRD Housing Bolting	Corrosion pitting attack along shank. Metalurgical evaluation acceptable for use.
1RIU-047	6RCIC(1)-72	ELL TO PIPE	125% DAC due to ID geometry.
1HPU-015	16HPCS(1)-42	ELL TO PIPE	125% DAC due to ID geometry.
1LPU-028	12LPCS(1)-2	PIPE TO ELL	130% DAC due to ID geometry.
1LPM-016	24LPCS(2)-8	PIPE TO ELL	Linear indication found by MT. Acceptable by full thickness UT of indication surface area as permitted by ASME Section XI IWC-3514.
1HV-0223	LPCS-902N	SPRING	Spring can alignment off approximately 5 degree. Evaluated as accetable.
1MSV-143	4MS(12)-1BD	FLANGE BOLTING	Bolts damaged during disassembly.
1RRP-098	12RRC(1)-N2K-4	PIPE TO SAFE-END	Rounded PT indication. Blended out and re-examined by PT acceptable.
1RRU-166	20RRC(6)-8	PIPE TO VALVE	Re-sized indication found at R6 and found insignificant difference in size from previous outage. Will re-size at R8.
1HV-0220	SW-430	STRUT	Race displaced from paddle 1/4" on pipe side. Evaluated as acceptable.

TABLE IV
Significant Indications

<u>Data sheet No.</u>	<u>Identification No.</u>	<u>Description</u>	<u>Remarks</u>
1HV-0219	SW-941N	BOX SUPPORT	Baseplate nuts corroded. Evaluated as acceptable. Nuts replaced and coated.
1HV-0218	SW-940N	BOX SUPPORT	Baseplate nuts corroded. Evaluated as acceptable. Nuts replaced and coated.
1HV-0217	SW-933N	BOX SUPPORT	Baseplate nuts corroded. Evaluated as acceptable. Nuts replaced and coated.
1HV-0216	MS-324	SPRING	Clamp bolting loose. Evaluated as acceptable.

APPENDIX A

NIS-1 Owner's Data Report for Inservice Inspection

FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules Page 1 of 26

1. Owner Washington Public Power Supply System
3000 George Washington Way, Richland, WA 99352
 (Name and Address of Owner)
2. Plant WNP-2, Hanford Reservation, Benton County, Washington
 (Name and Address of Plant)
3. Plant Unit WNP-2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 12/13/84 6. National Board Number for Unit N/A
7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
RPV	CBIN Nuclear Co	T-45	29936-84W	8
RCIC-V-65	Velan Engineering Co	0334	NA	NA
RHR-V-41C	Velan Engineering Co	67	NA	NA
RHR-V-50B	Velan Engineering Co	414	NA	NA
RRC-V-67A	Atwood & Morrill Co Inc	3-336	NA	NA
RRC-V-67B	Atwood & Morrill Co Inc	4-336	NA	NA
Lg Bore Pipe	Bechtel	(1)	NA	NA
Notes (1) The pipe examined is listed on pages 4-26.				

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this 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.

8. Examination Dates 9/30/91 to 7/18/92 9. Inspection Interval from 12/13/84 to 12/13/94
10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. Approximately 77% of required examinations for this inspection interval are complete. See pages 4-26 for list of examinations completed at this
11. Abstract of Conditions Noted. refueling outage.
- See Page 3
12. Abstract of Corrective Measures Recommended and Taken
- See Page 3

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

DATE 6/28/92 Date Oct 8 19 92 Signed J. Baker By WNP-2 Plant Mgr.
Owner

Certificate of Authorization No. (if applicable) _____ Expiration Date _____

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of WASHINGTON and employed by ARKWRIGHT MUT. INC Co. of Abbeville, MASS have inspected the components described in this Owners' Data Report during the period 9/30/91 to 7/18/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data 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 Owners' 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.

* FACTORY MUTUAL SYSTEM.

Date 10-8 19 92

Don Ologofsky Commissions 9556 W NBI
Inspector's Signature National Board, State, Province and No.

1. Owner: Washington Public Power Supply System
3000 George Washington Way
Richland, Washington 99352
2. Plant: WNP-2
Hanford Reservation
Benton County, Washington
3. Plant Unit: WNP-2
4. Owner Certificate of Authorization: N/A
6. National Board Number for Unit: N/A
11. Abstract of Conditions Noted:

One Weld, 12RRC(1)-N2K-4, had an unacceptable dye penetrant indication. The suspected IGSCC flaw found in weld 12RRC(6)-8 at R6 was re-examined and found not to have changed significantly in size.

12. Abstract of Corrective Measures Recommended and Taken:

The unacceptable indication on weld 12RRC(1)-N2K-4 was blended and re-examined by dye penetrant with acceptable results. The results of weld 12RRC(6)-8 resizing were within the bounds of the analysis performed at R6 for continued operation.

1. OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM, 3000 GEORGE WASHINGTON WAY, P.O. BOX 968,
 RICHLAND, WASHINGTON 99352 2. PLANT: WNP-2, HANFORD RESERVATION, BENTON COUNTY, WA.
 3. PLANT UNIT: WNP-2 4. OWNER CERTIFICATE OF AUTHORIZATION: N/A
 5. COMMERCIAL SERVICE DATE: 12/13/1984 6. NATIONAL BOARD NUMBER: N/A
 10. ABSTRACT OF EXAMINATIONS. LIST OF EXAMINATIONS:

CODE CATEGORY IDENTIFICATION NO. DESCRIPTION ITEM NO. METHOD DRAWING NO.

B-A	DH	TOP HD MRD @15	B1.22	VOL	RPV-102
	DJ	TOP HD MRD @75	B1.22	VOL	RPV-102
	DK	TOP HD MRD @135	B1.22	VOL	RPV-102
	DM	TOP HD MRD @195	B1.22	VOL	RPV-102
	DN	TOP HD MRD @255	B1.22	VOL	RPV-102
	DP	TOP HD MRD @315	B1.22	VOL	RPV-102

B-D	N1-0	RRC NZ-V @ 0	B3.90	VOL	RPV-101
	N1-0-IR	RRC NZ-IR @ 0	B3.100	VOL	RPV-101
	N1-180	RRC NZ-V @ 180	B3.90	VOL	RPV-101
	N1-180-IR	RRC NZ-IR @ 180	B3.100	VOL	RPV-101
	N2-90	RRC NZ-V @ 90	B3.90	VOL	RPV-101
	N2-90-IR	RRC NZ-IR @ 90	B3.100	VOL	RPV-101
	N2-120	RRC NZ-V @ 120	B3.90	VOL	RPV-101
	N2-120-IR	RRC NZ-IR @ 120	B3.100	VOL	RPV-101
	N2-150	RRC NZ-V @ 150	B3.90	VOL	RPV-101
	N2-150-IR	RRC NZ-IR @ 150	B3.100	VOL	RPV-101
	N2-210	RRC NZ-V @ 210	B3.90	VOL	RPV-101
	N2-210-IR	RRC NZ-IR @ 210	B3.100	VOL	RPV-101
	N2-240	RRC NZ-V @ 240	B3.90	VOL	RPV-101
	N2-240-IR	RRC NZ-IR @ 240	B3.100	VOL	RPV-101
	N2-270	RRC NZ-V @ 270	B3.90	VOL	RPV-101
	N2-270-IR	RRC NZ-IR @ 270	B3.100	VOL	RPV-101
	N2-300	RRC NZ-V @ 300	B3.90	VOL	RPV-101
	N2-300-IR	RRC NZ-IR @ 300	B3.100	VOL	RPV-101
	N2-330	RRC NZ-V @ 330	B3.90	VOL	RPV-101
	N2-330-IR	RRC NZ-IR @ 330	B3.100	VOL	RPV-101
	N4-150	FW NZ-V @ 150	B3.90	VOL	RPV-101
	N4-210	FW NZ-V @ 210	B3.90	VOL	RPV-101
	N4-270	FW NZ-V @ 270	B3.90	VOL	RPV-101
	N4-330	FW NZ-V @ 330	B3.90	VOL	RPV-101
	N6-135	LPCI NZ-V @ 135	B3.90	VOL	RPV-101
	N6-135-IR	LPCI NZ-IR @135	B3.100	VOL	RPV-101

1. OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM, 3000 GEORGE WASHINGTON WAY, P.O. BOX 968,
 RICHLAND, WASHINGTON 99352 2. PLANT: WNP-2, HANFORD RESERVATION, BENTON COUNTY, WA.
 3. PLANT UNIT: WNP-2 4. OWNER CERTIFICATE OF AUTHORIZATION: N/A
 5. COMMERCIAL SERVICE DATE: 12/13/1984 6. NATIONAL BOARD NUMBER: N/A
 10. ABSTRACT OF EXAMINATIONS. LIST OF EXAMINATIONS:

CODE	CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ITEM NO.	METHOD	DRAWING NO.
		N6-315	LPCI NZ-V @ 315	B3.90	VOL	RPV-101
		N6-315-IR	LPCI NZ-IR @315	B3.100	VOL	RPV-101
		N9-105	JP IN-NZ-V @105	B3.90	VOL	RPV-101
		N9-105-IR	JP IN-NZ-IR@105	B3.100	VOL	RPV-101
		N9-285	JP IN-NZ-V @285	B3.90	VOL	RPV-101
		N9-285-IR	JP IN-NZ-IR@285	B3.100	VOL	RPV-101
		N10-180	CRD NZ-V @180	B3.90	VOL	RPV-101
		N10-180-IR	CRD NZ-IR@180	B3.100	VOL	RPV-101
		N16-240	HPCS NZ-V @ 240	B3.90	VOL	RPV-101
		N16-240-IR	HPCS NZ-IR @240	B3.100	VOL	RPV-101
B-E		CRD	CRD PEN (185EA)	B4.12	VT-2	RPV-102
B-F		4JP(NZ)A-1	N-9 NZ-SE @ 105	B5.10	VOL	RPV-101
		4JP(NZ)A-1	N-9 NZ-SE @ 105	B5.10	SUR	RPV-101
		4JP(NZ)A-2	N9 SE-PN SL@105	B5.50	VOL	RPV-101
		4JP(NZ)A-2	N9 SE-PN SL@105	B5.50	SUR	RPV-101
		4JP(NZ)B-1	N9 NZ-SE @ 285	B5.10	VOL	RPV-101
		4JP(NZ)B-1	N9 NZ-SE @ 285	B5.10	SUR	RPV-101
		4JP(NZ)B-2	N9 SE PN SL@285	B5.50	VOL	RPV-101
		4JP(NZ)B-2	N9 SE PN SL@285	B5.50	SUR	RPV-101
		10HPCS(1)-3	SE EXT TO SE	B5.10	VOL	HPCS-101
		10HPCS(1)-3	SE EXT TO SE	B5.10	SUR	HPCS-101
		10HPCS(1)-4	SE TO NOZZLE	B5.10	VOL	HPCS-101
		10HPCS(1)-4	SE TO NOZZLE	B5.10	SUR	HPCS-101
		10LPCS(1)-4	SE TO NOZZLE	B5.10	VOL	LPCS-101
		10LPCS(1)-4	SE TO NOZZLE	B5.10	SUR	LPCS-101
		12LPCI(1)A-6	SE TO NOZZLE	B5.10	VOL	RHR-101
		12LPCI(1)A-6	SE TO NOZZLE	B5.10	SUR	RHR-101
		12LPCI(1)B-5	SE EXT TO SE	B5.50	VOL	RHR-102
		12LPCI(1)B-5	SE EXT TO SE	B5.50	SUR	RHR-102
		12LPCI(1)B-6	SE TO NOZZLE	B5.10	VOL	RHR-102
		12LPCI(1)B-6	SE TO NOZZLE	B5.10	SUR	RHR-102

1. OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM, 3000 GEORGE WASHINGTON WAY, P.O. BOX 968,
 RICHLAND, WASHINGTON 99352 2. PLANT: WNP-2, HANFORD RESERVATION, BENTON COUNTY, WA.
 3. PLANT UNIT: WNP-2 4. OWNER CERTIFICATE OF AUTHORIZATION: N/A
 5. COMMERCIAL SERVICE DATE: 12/13/1984 6. NATIONAL BOARD NUMBER: N/A
 10. ABSTRACT OF EXAMINATIONS. LIST OF EXAMINATIONS:

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ITEM NO.	METHOD	DRAWING NO.
	12LPCI(1)C-5	SE EXT TO SE	B5.50	VOL	RHR-103
	12LPCI(1)C-5	SE EXT TO SE	B5.50	SUR	RHR-103
	12LPCI(1)C-6	SE TO NOZZLE	B5.10	VOL	RHR-103
	12LPCI(1)C-6	SE TO NOZZLE	B5.10	SUR	RHR-103
	12RFW(1)AC-11	SE/EX-SE/STUB	B5.10	VOL	RFW-101
	12RFW(1)AC-11	SE/EX-SE/STUB	B5.10	SUR	RFW-101
	12RFW(1)AC-13	SE TO N4	B5.10	VOL	RFW-101
	12RFW(1)AB-11	SE TO N4	B5.10	VOL	RFW-101
	12RFW(1)AB-11	SE TO N4	B5.10	SUR	RFW-101
	12RFW(1)AA-11	SE TO N4	B5.10	VOL	RFW-101
	12RFW(1)AA-11	SE TO N4	B5.10	SUR	RFW-101
	12RFW(1)BF-14	SE TO N4	B5.10	VOL	RFW-102
	12RFW(1)BE-11	SE TO N4	B5.10	VOL	RFW-102
	12RFW(1)BE-11	SE TO N4	B5.10	SUR	RFW-102
	12RFW(1)BD-11	SE TO N4	B5.10	VOL	RFW-102
	12RFW(1)BD-11	SE TO N4	B5.10	SUR	RFW-102
	24RRC(2)A-1	NOZ TO SE	B5.10	VOL	RRC-101
	24RRC(2)A-1	NOZ TO SE	B5.10	SUR	RRC-101
	12RRC(1)-N2A-6	SE TO NOZ	B5.10	VOL	RRC-101
	12RRC(1)-N2A-6	SE TO NOZ	B5.10	SUR	RRC-101
	12RRC(1)-N2B-6	SE TO NOZ	B5.10	VOL	RRC-101
	12RRC(1)-N2B-6	SE TO NOZ	B5.10	SUR	RRC-101
	12RRC(1)-N2C-6	SE TO NOZ	B5.10	VOL	RRC-101
	12RRC(1)-N2C-6	SE TO NOZ	B5.10	SUR	RRC-101
	12RRC(1)-N2D-6	SE TO NOZ	B5.10	VOL	RRC-101
	12RRC(1)-N2D-6	SE TO NOZ	B5.10	SUR	RRC-101
	12RRC(1)-N2E-6	SE TO NOZ	B5.10	VOL	RRC-101
	12RRC(1)-N2E-6	SE TO NOZ	B5.10	SUR	RRC-101
	24RRC(2)B-1	NOZ TO SE	B5.10	VOL	RRC-102
	24RRC(2)B-1	NOZ TO SE	B5.10	SUR	RRC-102
	12RRC(1)-N2F-6	SE TO NOZ	B5.10	VOL	RRC-102
	12RRC(1)-N2F-6	SE TO NOZ	B5.10	SUR	RRC-102
	12RRC(1)-N2G-6	SE TO NOZ	B5.10	VOL	RRC-102

1. OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM, 3000 GEORGE WASHINGTON WAY, P.O. BOX 968,
 RICHLAND, WASHINGTON 99352 2. PLANT: WNP-2, HANFORD RESERVATION, BENTON COUNTY, WA.
 3. PLANT UNIT: WNP-2 4. OWNER CERTIFICATE OF AUTHORIZATION: N/A
 5. COMMERCIAL SERVICE DATE: 12/13/1984 6. NATIONAL BOARD NUMBER: N/A
 10. ABSTRACT OF EXAMINATIONS. LIST OF EXAMINATIONS:

CODE CATEGORY IDENTIFICATION NO. DESCRIPTION ITEM NO. METHOD DRAWING NO.

	12RRC(1)-N2G-6	SE TO NOZ	B5.10	SUR	RRC-102
	12RRC(1)-N2H-6	SE TO NOZ	B5.10	VOL	RRC-102
	12RRC(1)-N2H-6	SE TO NOZ	B5.10	SUR	RRC-102
	12RRC(1)-N2J-6	SE TO NOZ	B5.10	VOL	RRC-102
	12RRC(1)-N2J-6	SE TO NOZ	B5.10	SUR	RRC-102
	12RRC(1)-N2K-6	SE TO NOZ	B5.10	VOL	RRC-102
	12RRC(1)-N2K-6	SE TO NOZ	B5.10	SUR	RRC-102

B-G-1

RPV STUD	35-1-6A	RPV STUD	B6.20	VOL	RPV-101
RPV STUD	35-1-6A	RPV STUD	B6.30	SUR	RPV-101
RPV STUD	35-1-13A	RPV STUD	B6.20	VOL	RPV-101
RPV STUD	35-1-13A	RPV STUD	B6.30	SUR	RPV-101
RPV STUD	35-1-20A	RPV STUD	B6.20	VOL	RPV-101
RPV STUD	35-1-20A	RPV STUD	B6.30	SUR	RPV-101
RPV STUD	35-1-27A	RPV STUD	B6.20	VOL	RPV-101
RPV STUD	35-1-27A	RPV STUD	B6.30	SUR	RPV-101
RPV STUD	35-1-34A	RPV STUD	B6.20	VOL	RPV-101
RPV STUD	35-1-34A	RPV STUD	B6.30	SUR	RPV-101
RPV STUD	35-1-41A	RPV STUD	B6.30	VOL	RPV-101
RPV STUD	35-1-41A	RPV STUD	B6.30	SUR	RPV-101
RPV STUD	35-1-47A	RPV STUD	B6.20	VOL	RPV-101
RPV STUD	35-1-47A	RPV STUD	B6.30	SUR	RPV-101
RPV STUD	35-1-48A	RPV STUD	B6.20	VOL	RPV-101
RPV STUD	35-1-48A	RPV STUD	B6.30	SUR	RPV-101
RPV STUD	35-1-54A	RPV STUD	B6.20	VOL	RPV-101
RPV STUD	35-1-54A	RPV STUD	B6.30	SUR	RPV-101
RPV STUD	35-1-55A	RPV STUD	B6.20	VOL	RPV-101
RPV STUD	35-1-55A	RPV STUD	B6.30	SUR	RPV-101
RPV STUD	35-1-61A	RPV STUD	B6.20	VOL	RPV-101
RPV STUD	35-1-61A	RPV STUD	B6.30	SUR	RPV-101
RPV STUD	35-1-62A	RPV STUD	B6.20	VOL	RPV-101
RPV STUD	35-1-62A	RPV STUD	B6.30	SUR	RPV-101
RPV STUD	35-1-68A	RPV STUD	B6.20	VOL	RPV-101

1. OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM, 3000 GEORGE WASHINGTON WAY, P.O. BOX 968,
 RICHLAND, WASHINGTON 99352 2. PLANT: WNP-2, HANFORD RESERVATION, BENTON COUNTY, WA.
 3. PLANT UNIT: WNP-2 4. OWNER CERTIFICATE OF AUTHORIZATION: N/A
 5. COMMERCIAL SERVICE DATE: 12/13/1984 6. NATIONAL BOARD NUMBER: N/A
 10. ABSTRACT OF EXAMINATIONS. LIST OF EXAMINATIONS:

CODE CATEGORY IDENTIFICATION NO. DESCRIPTION ITEM NO. METHOD DRAWING NO.

RPV STUD	35-1-68A	RPV STUD	B6.30	SUR	RPV-101
RPV STUD	35-1-69A	RPV STUD	B6.20	VOL	RPV-101
RPV STUD	35-1-69A	RPV STUD	B6.30	SUR	RPV-101
RPV STUD	35-1-75A	RPV STUD	B6.20	VOL	RPV-101
RPV STUD	35-1-75A	RPV STUD	B6.30	SUR	RPV-101
RPV STUD	35-1-76A	RPV STUD	B6.20	VOL	RPV-101
RPV STUD	35-1-76A	RPV STUD	B6.30	SUR	RPV-101
RPV NUT	36-1-6A	RPV NUT	B6.10	VOL	RPV-101
RPV NUT	36-1-6A	RPV NUT	B6.10	SUR	RPV-101
RPV NUT	36-1-13A	RPV NUT	B6.10	VOL	RPV-101
RPV NUT	36-1-13A	RPV NUT	B6.10	SUR	RPV-101
RPV NUT	36-1-20A	RPV NUT	B6.10	VOL	RPV-101
RPV NUT	36-1-20A	RPV NUT	B6.10	SUR	RPV-101
RPV NUT	36-1-27A	RPV NUT	B6.10	VOL	RPV-101
RPV NUT	36-1-27A	RPV NUT	B6.10	SUR	RPV-101
RPV NUT	36-1-34A	RPV NUT	B6.10	VOL	RPV-101
RPV NUT	36-1-34A	RPV NUT	B6.10	SUR	RPV-101
RPV NUT	36-1-41A	RPV NUT	B6.10	VOL	RPV-101
RPV NUT	36-1-41A	RPV NUT	B6.10	SUR	RPV-101
RPV NUT	36-1-47A	RPV NUT	B6.10	VOL	RPV-101
RPV NUT	36-1-47A	RPV NUT	B6.10	SUR	RPV-101
RPV NUT	36-1-48A	RPV NUT	B6.10	VOL	RPV-101
RPV NUT	36-1-48A	RPV NUT	B6.10	SUR	RPV-101
RPV NUT	36-1-54A	RPV NUT	B6.10	VOL	RPV-101
RPV NUT	36-1-54A	RPV NUT	B6.10	SUR	RPV-101
RPV NUT	36-1-55A	RPV NUT	B6.10	VOL	RPV-101
RPV NUT	36-1-55A	RPV NUT	B6.10	SUR	RPV-101
RPV NUT	36-1-61A	RPV NUT	B6.10	VOL	RPV-101
RPV NUT	36-1-61A	RPV NUT	B6.10	SUR	RPV-101
RPV NUT	36-1-62A	RPV NUT	B6.10	VOL	RPV-101
RPV NUT	36-1-62A	RPV NUT	B6.10	SUR	RPV-101
RPV NUT	36-1-68A	RPV NUT	B6.10	VOL	RPV-101
RPV NUT	36-1-68A	RPV NUT	B6.10	SUR	RPV-101

1. OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM, 3000 GEORGE WASHINGTON WAY, P.O. BOX 968,
 RICHLAND, WASHINGTON 99352 2. PLANT: WNP-2, HANFORD RESERVATION, BENTON COUNTY, WA.
 3. PLANT UNIT: WNP-2 4. OWNER CERTIFICATE OF AUTHORIZATION: N/A
 5. COMMERCIAL SERVICE DATE: 12/13/1984 6. NATIONAL BOARD NUMBER: N/A
 10. ABSTRACT OF EXAMINATIONS. LIST OF EXAMINATIONS:

CODE CATEGORY IDENTIFICATION NO. DESCRIPTION ITEM NO. METHOD DRAWING NO.

RPV NUT 36-1-69A	RPV NUT	B6.10	VOL	RPV-101
RPV NUT 36-1-69A	RPV NUT	B6.10	SUR	RPV-101
RPV NUT 36-1-75A	RPV NUT	B6.10	VOL	RPV-101
RPV NUT 36-1-75A	RPV NUT	B6.10	SUR	RPV-101
RPV NUT 36-1-76A	RPV NUT	B6.10	VOL	RPV-101
RPV NUT 36-1-76A	RPV NUT	B6.10	SUR	RPV-101
RPV WASHERS	RPV WASHER-76EA	B6.50	VT-1	RPV-101

B-G-2

CRD HOUSING 42-59 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 38-31 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 42-31 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 50-51 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 46-47 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 46-43 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 54-43 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 58-43 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 30-39 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 34-39 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 42-39 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 50-39 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 10-35 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 14-35 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 34-35 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 46-35 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 54-35 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 26-31 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 34-31 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 50-31 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 54-31 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 22-27 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 50-27 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 46-23 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 50-23 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102

1. OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM, 3000 GEORGE WASHINGTON WAY, P.O. BOX 968,
 RICHLAND, WASHINGTON 99352 2. PLANT: WNP-2, HANFORD RESERVATION, BENTON COUNTY, WA.
 3. PLANT UNIT: WNP-2 4. OWNER CERTIFICATE OF AUTHORIZATION: N/A
 5. COMMERCIAL SERVICE DATE: 12/13/1984 6. NATIONAL BOARD NUMBER: N/A
 10. ABSTRACT OF EXAMINATIONS. LIST OF EXAMINATIONS:

CODE CATEGORY IDENTIFICATION NO. DESCRIPTION ITEM NO. METHOD DRAWING NO.

CRD HOUSING 42-15 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 54-15 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 10-11 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 50-11 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
CRD HOUSING 34-07 BLT	CRD HOUSING BLT	B7.80	VT-1	RPV-102
RCIC-V-63-BLT	VALVE BOLTING	B7.70	VT-1	RCIC-101
8MSR-3A-2BD	FLANGE BOLTING	B7.50	VT-1	MS-101
MS-RV-3A-BLT	VALVE BOLTING	B7.70	VT-1	MS-101
8MSR-2A-2BD	FLANGE BOLTING	B7.50	VT-1	MS-101
MS-RV-2A-BLT	VALVE BOLTING	B7.70	VT-1	MS-101
8MSR-2B-2BD	FLANGE BOLTING	B7.50	VT-1	MS-102
MS-RV-2B-BLT	VALVE BOLTING	B7.70	VT-1	MS-102
MS-RV-1B-BLT	VALVE BOLTING	B7.70	VT-1	MS-102
8MSR-3C-2BD	FLANGE BOLTING	B7.50	VT-1	MS-103
MS-RV-3C-BLT	VALVE BOLTING	B7.70	VT-1	MS-103
8MSR-2C-2BD	FLANGE BOLTING	B7.50	VT-1	MS-103
MS-RV-2C-BLT	VALVE BOLTING	B7.70	VT-1	MS-103
8MSR-1C-2BD	FLANGE BOLTING	B7.50	VT-1	MS-103
MS-RV-1C-BLT	VALVE BOLTING	B7.70	VT-1	MS-103
8MSR-2D-2BD	FLANGE BOLTING	B7.50	VT-1	MS-104
MS-RV-2D-BLT	VALVE BOLTING	B7.70	VT-1	MS-104
8MSR-1D-2BD	FLANGE BOLTING	B7.50	VT-1	MS-104
MS-RV-1D-BLT	VALVE BOLTING	B7.70	VT-1	MS-104
4MS(12)-1BD	FLANGE BOLTING	B7.50	VT-1	MS-106
RRC-V-23B-BLT	VALVE BOLTING	B7.70	VT-1	RRC-102

B-J

5CRD(NZ)-1	CRD NZ-SE @180	B9.11	VOL	RPV-101
5CRD(NZ)-1	CRD NZ-SE @ 180	B9.11	SUR	RPV-101
3CRD(NZ)-1	CRD SE-CAP @180	B9.21	SUR	RPV-101
12HPCS(1)-19	PIPE TO ELL	B9.11	VOL	HPCS-101
12HPCS(1)-19	PIPE TO ELL	B9.11	SUR	HPCS-101
10HPCS(1)-1	ELL TO PIPE	B9.11	VOL	HPCS-101
10HPCS(1)-1	ELL TO PIPE	B9.11	SUR	HPCS-101

1. OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM, 3000 GEORGE WASHINGTON WAY, P.O. BOX 968,
 RICHLAND, WASHINGTON 99352 2. PLANT: WNP-2, HANFORD RESERVATION, BENTON COUNTY, WA.
 3. PLANT UNIT: WNP-2 4. OWNER CERTIFICATE OF AUTHORIZATION: N/A
 5. COMMERCIAL SERVICE DATE: 12/13/1984 6. NATIONAL BOARD NUMBER: N/A
 10. ABSTRACT OF EXAMINATIONS. LIST OF EXAMINATIONS:

CODE CATEGORY IDENTIFICATION NO. DESCRIPTION ITEM NO. METHOD DRAWING NO.

10HPCS(1)-2	PIPE TO SE EXT	B9.11	VOL	HPCS-101
10HPCS(1)-2	PIPE TO SE EXT	B9.11	SUR	HPCS-101
12LPCS(1)-1	VLV TO PIPE	B9.11	VOL	LPCS-101
12LPCS(1)-1	VLV TO PIPE	B9.11	SUR	LPCS-101
12LPCS(1)-2	PIPE TO ELL	B9.11	VOL	LPCS-101
12LPCS(1)-2	PIPE TO ELL	B9.11	SUR	LPCS-101
26MS(1)A-8	PIPE TO ELL	B9.11	VOL	MS-101
26MS(1)A-8	PIPE TO ELL	B9.11	SUR	MS-101
26MS(1)A-8LDI	ELL SEAM	B9.12	VOL	MS-101
26MS(1)A-8LDI	ELL SEAM	B9.12	SUR	MS-101
26MS(1)A-8LDO	ELL SEAM	B9.12	VOL	MS-101
26MS(1)A-8LDO	ELL SEAM	B9.12	SUR	MS-101
26MS(1)D-6	PIPE TO ELL	B9.11	VOL	MS-104
26MS(1)D-6	PIPE TO ELL	B9.11	SUR	MS-104
26MS(1)D-6LDI	ELL SEAM	B9.12	VOL	MS-104
26MS(1)D-6LDI	ELL SEAM	B9.12	SUR	MS-104
26MS(1)D-6LDO	ELL SEAM	B9.12	VOL	MS-104
26MS(1)D-6LDO	ELL SEAM	B9.12	SUR	MS-104
26MS(1)D-7LVI	ELL SEAM	B9.12	VOL	MS-104
26MS(1)D-7LVI	ELL SEAM	B9.12	SUR	MS-104
26MS(1)D-7LUD	ELL SEAM	B9.12	VOL	MS-104
26MS(1)D-7LUD	ELL SEAM	B9.12	SUR	MS-104
26MS(1)D-7	ELL TO PIPE	B9.11	VOL	MS-104
26MS(1)D-7	ELL TO PIPE	B9.11	SUR	MS-104
4MS(12)-1	NOZ TO FLANGE	B9.11	VOL	MS-106
4MS(12)-1	NOZ TO FLANGE	B9.11	SUR	MS-106
4MS(12)-2	FLANGE/REDUCER	B9.11	VOL	MS-106
4MS(12)-2	FLANGE/REDUCER	B9.11	SUR	MS-106
12RFW(1)BF-9	PIPE TO ELL	B9.11	VOL	RFW-102
12RFW(1)BF-10	ELL TO PIPE	B9.11	VOL	RFW-102
12RFW(1)BF-11	PIPE TO SE EXT	B9.11	VOL	RFW-102
12RFW(1)BE-8	PIPE TO SE EXT	B9.11	VOL	RFW-102
12RFW(1)BE-8	PIPE TO SE EXT	B9.11	SUR	RFW-102

1. OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM, 3000 GEORGE WASHINGTON WAY, P.O. BOX 968,
 RICHLAND, WASHINGTON 99352 2. PLANT: WNP-2, HANFORD RESERVATION, BENTON COUNTY, WA.
 3. PLANT UNIT: WNP-2 4. OWNER CERTIFICATE OF AUTHORIZATION: N/A
 5. COMMERCIAL SERVICE DATE: 12/13/1984 6. NATIONAL BOARD NUMBER: N/A
 10. ABSTRACT OF EXAMINATIONS. LIST OF EXAMINATIONS:

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ITEM NO.	METHOD	DRAWING NO.
	24RRC(2)A-2	SE TO PIPE	B9.11	VOL	RRC-101
	24RRC(2)A-2	SE TO PIPE	B9.11	SUR	RRC-101
	24RRC(2)A-2LD	PIPE SEAM	B9.12	VOL	RRC-101
	24RRC(2)A-2LD	PIPE SEAM	B9.12	SUR	RRC-101
	24RRC(2)A-3LU	PIPE SEAM	B9.12	VOL	RRC-101
	24RRC(2)A-3	PIPE TO ELL	B9.11	VOL	RRC-101
	24RRC(2)A-3LDD	ELL SEAM	B9.12	VOL	RRC-101
	12RRC(1)-N2A-1A	PIPE TO PIPE	B9.11	SUR	RRC-101
	12RRC(1)-N2A-4LU	PIPE SEAM	B9.12	VOL	RRC-101
	12RRC(1)-N2A-4LU	PIPE SEAM	B9.12	SUR	RRC-101
	12RRC(1)-N2A-4	PIPE TO SE	B9.11	VOL	RRC-101
	12RRC(1)-N2A-4	PIPE TO SE	B9.11	SUR	RRC-101
	12RRC(1)-N2B-1A	PIPE TO PIPE	B9.11	SUR	RRC-101
	12RRC(1)-N2B-4LU	PIPE SEAM	B9.12	VOL	RRC-101
	12RRC(1)-N2B-4LU	PIPE SEAM	B9.12	SUR	RRC-101
	12RRC(1)-N2B-4	PIPE TO SE	B9.11	VOL	RRC-101
	12RRC(1)-N2B-4	PIPE TO SE	B9.11	SUR	RRC-101
	12RRC(1)-N2C-1A	PIPE TO PIPE	B9.11	SUR	RRC-101
	12RRC(1)-N2C-4LU	PIPE SEAM	B9.12	VOL	RRC-101
	12RRC(1)-N2C-4LU	PIPE SEAM	B9.12	SUR	RRC-101
	12RRC(1)-N2C-4	PIPE TO SE	B9.11	VOL	RRC-101
	12RRC(1)-N2C-4	PIPE TO SE	B9.11	SUR	RRC-101
	12RRC(1)-N2D-1A	PIPE TO PIPE	B9.11	SUR	RRC-101
	12RRC(1)-N2D-4LU	PIPE SEAM	B9.12	VOL	RRC-101
	12RRC(1)-N2D-4LU	PIPE SEAM	B9.12	SUR	RRC-101
	12RRC(1)-N2D-4	PIPE TO SE	B9.11	VOL	RRC-101
	12RRC(1)-N2D-4	PIPE TO SE	B9.11	SUR	RRC-101
	12RRC(1)-N2E-1A	PIPE TO PIPE	B9.11	SUR	RRC-101
	12RRC(1)-N2E-4LU	PIPE SEAM	B9.12	VOL	RRC-101
	12RRC(1)-N2E-4LU	PIPE SEAM	B9.12	SUR	RRC-101
	12RRC(1)-N2E-4	PIPE TO SE	B9.11	VOL	RRC-101
	12RRC(1)-N2E-4	PIPE TO SE	B9.11	SUR	RRC-101
	24RRC(2)B-2	SE TO PIPE	B9.11	VOL	RRC-102

1. OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM, 3000 GEORGE WASHINGTON WAY, P.O. BOX 968,
 RICHLAND, WASHINGTON 99352 2. PLANT: WNP-2, HANFORD RESERVATION, BENTON COUNTY, WA.
 3. PLANT UNIT: WNP-2 4. OWNER CERTIFICATE OF AUTHORIZATION: N/A
 5. COMMERCIAL SERVICE DATE: 12/13/1984 6. NATIONAL BOARD NUMBER: N/A
 10. ABSTRACT OF EXAMINATIONS: LIST OF EXAMINATIONS:

CODE	CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ITEM NO.	METHOD	DRAWING NO.
		24RRC(2)B-2	SE TO PIPE	B9.11	SUR	RRC-102
		24RRC(2)B-2LD	PIPE SEAM	B9.12	VOL	RRC-102
		24RRC(2)B-2LD	PIPE SEAM	B9.12	SUR	RRC-102
		12RRC(1)-N2F-1A	PIPE TO PIPE	B9.11	SUR	RRC-102
		12RRC(1)-N2F-4LU	PIPE SEAM	B9.12	VOL	RRC-102
		12RRC(1)-N2F-4LU	PIPE SEAM	B9.12	SUR	RRC-102
		12RRC(1)-N2F-4	PIPE TO SE	B9.11	VOL	RRC-102
		12RRC(1)-N2F-4	PIPE TO SE	B9.11	SUR	RRC-102
		12RRC(1)-N2G-1A	PIPE TO PIPE	B9.11	SUR	RRC-102
		12RRC(1)-N2G-3	ELL TO PIPE	B9.11	VOL	RRC-102
		12RRC(1)-N2G-4LU	PIPE SEAM	B9.12	VOL	RRC-102
		12RRC(1)-N2G-4LU	PIPE SEAM	B9.12	SUR	RRC-102
		12RRC(1)-N2G-4	PIPE TO SE	B9.11	VOL	RRC-102
		12RRC(1)-N2G-4	PIPE TO SE	B9.11	SUR	RRC-102
		12RRC(1)-N2H-1A	PIPE TO PIPE	B9.11	VOL	RRC-102
		12RRC(1)-N2H-1A	PIPE TO PIPE	B9.11	SUR	RRC-102
		12RRC(1)-N2H-3	ELL TO PIPE	B9.11	VOL	RRC-102
		12RRC(1)-N2H-4LU	PIPE SEAM	B9.12	VOL	RRC-102
		12RRC(1)-N2H-4LU	PIPE SEAM	B9.12	SUR	RRC-102
		12RRC(1)-N2H-4	PIPE TO SE	B9.11	VOL	RRC-102
		12RRC(1)-N2H-4	PIPE TO SE	B9.11	SUR	RRC-102
		12RRC(1)-N2J-1A	PIPE TO PIPE	B9.11	SUR	RRC-102
		12RRC(1)-N2J-4LU	PIPE SEAM	B9.12	VOL	RRC-102
		12RRC(1)-N2J-4LU	PIPE SEAM	B9.12	SUR	RRC-102
		12RRC(1)-N2J-4	PIPE TO SE	B9.11	VOL	RRC-102
		12RRC(1)-N2J-4	PIPE TO SE	B9.11	SUR	RRC-102
		12RRC(1)-N2K-1A	PIPE TO PIPE	B9.11	SUR	RRC-102
		12RRC(1)-N2K-4LU	PIPE SEAM	B9.12	VOL	RRC-102
		12RRC(1)-N2K-4LU	PIPE SEAM	B9.12	SUR	RRC-102
		12RRC(1)-N2K-4	PIPE TO SE	B9.11	VOL	RRC-102
		12RRC(1)-N2K-4	PIPE TO SE	B9.11	SUR	RRC-102
		20RRC(6)-8	PIPE TO VALVE	B9.11	VOL	RRC-105

1. OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM, 3000 GEORGE WASHINGTON WAY, P.O. BOX 968,
 RICHLAND, WASHINGTON 99352 2. PLANT: WNP-2, HANFORD RESERVATION, BENTON COUNTY, WA.
 3. PLANT UNIT: WNP-2 4. OWNER CERTIFICATE OF AUTHORIZATION: N/A
 5. COMMERCIAL SERVICE DATE: 12/13/1984 6. NATIONAL BOARD NUMBER: N/A
 10. ABSTRACT OF EXAMINATIONS. LIST OF EXAMINATIONS:

CODE	CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ITEM NO.	METHOD	DRAWING NO.
B-K-1		HPCS-66(W)	4 WELDED LUGS	B10.10	SUR	HPCS-101
		LPCS-13(W)	4 WELDED LUGS	B10.10	SUR	LPCS-101
		MS FLUED HEAD C	FLUED HEAD WELD	B10.10	SUR	MS-103
B-M-2		RCIC-V-65-BDY	VALVE BODY	B12.40	VT-3	RCIC-102
		RHR-V-41C-BDY	VALVE BODY	B12.40	VT-3	RHR-103
		RHR-V-50B-BDY	VALVE BODY	B12.40	VT-3	RHR-106
		RRC-V-67A-BDY	VALVE BODY	B12.40	VT-3	RRC-101
		RRC-V-67B-BDY	VALVE BODY	B12.40	VT-3	RRC-102
B-N-1		RPV INTERIOR	RPV INTERIOR	B13.10	VT-3	RPV-101
B-P		RPV-PB-101(L)	LK PRES BNDRY	B15.10	VT-2	RPV-101
		RPV-PB-102(L)	LK PRES BNDRY	B15.10	VT-2	RPV-102
		RCIC-PB-101(L)	LK PRES BNDRY	B15.50	VT-2	RCIC-101
		RCIC-PB-102(L)	LK PRES BNDRY	B15.50	VT-2	RCIC-102
		HPCS-PB-101(L)	LK PRES BNDRY	B15.50	VT-2	HPCS-101
		LPCS-PB-101(L)	LK PRES BNDRY	B15.50	VT-2	LPCS-101
		RHR-PB-101(L)	LK PRES BNDRY	B15.50	VT-2	RHR-101
		RHR-PB-102(L)	LK PRES BNDRY	B15.50	VT-2	RHR-102
		RHR-PB-103(L)	LK PRES BNDRY	B15.50	VT-2	RHR-103
		RHR-PB-104(L)	LK PRES BNDRY	B15.50	VT-2	RHR-104
		RHR-PB-105(L)	LK PRES BNDRY	B15.50	VT-2	RHR-105
		RHR-PB-106(L)	LK PRES BNDRY	B15.50	VT-2	RHR-106
		MS-PB-101(L)	LK PRES BNDRY	B15.50	VT-2	MS-101
		MS-PB-102(L)	LK PRES BNDRY	B15.50	VT-2	MS-102
		MS-PB-103(L)	LK PRES BNDRY	B15.50	VT-2	MS-103
		MS-PB-104(L)	LK PRES BNDRY	B15.50	VT-2	MS-104
		MS-PB-105(L)	LK PRES BNDRY	B15.50	VT-2	MS-105
		MS-PB-106(L)	LK PRES BNDRY	B15.50	VT-2	MS-106
		RFW-PB-101(L)	LK PRES BNDRY	B15.50	VT-2	RFW-101
		RFW-PB-102(L)	LK PRES BNDRY	B15.50	VT-2	RFW-102
		RFW-PB-103(L)	LK PRES BNDRY	B15.50	VT-2	RFW-103

1. OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM, 3000 GEORGE WASHINGTON WAY, P.O. BOX 968,
 RICHLAND, WASHINGTON 99352 2. PLANT: WNP-2, HANFORD RESERVATION, BENTON COUNTY, WA.
 3. PLANT UNIT: WNP-2 4. OWNER CERTIFICATE OF AUTHORIZATION: N/A
 5. COMMERCIAL SERVICE DATE: 12/13/1984 6. NATIONAL BOARD NUMBER: N/A
 10. ABSTRACT OF EXAMINATIONS. LIST OF EXAMINATIONS:

CODE CATEGORY IDENTIFICATION NO. DESCRIPTION ITEM NO. METHOD DRAWING NO.

	RRC-PB-101(L)	LK PRES BNDRY	B15.50	VT-2	RRC-101
	RRC-PB-102(L)	LK PRES BNDRY	B15.50	VT-2	RRC-102
	RRC-PB-103(L)	LK PRES BNDRY	B15.50	VT-2	RRC-103
	RRC-PB-104(L)	LK PRES BNDRY	B15.50	VT-2	RRC-104
	RRC-PB-105(L)	LK PRES BNDRY	B15.50	VT-2	RRC-105
	RRC-PB-106(L)	LK PRES BNDRY	B15.50	VT-2	RRC-106
	RRC-PB-107(L)	LK PRES BNDRY	B15.50	VT-2	RRC-107
	RRC-PB-108(L)	LK PRES BNDRY	B15.50	VT-2	RRC-108
	RRC-PB-109(L)	LK PRES BNDRY	B15.50	VT-2	RRC-109
	RRC-PB-110(L)	LK PRES BNDRY	B15.50	VT-2	RRC-110
	RRC-PB-111(L)	LK PRES BNDRY	B15.50	VT-2	RRC-111
	RWCU-PB-101(L)	LK PRES BNDRY	B15.50	VT-2	RWCU-101
	SLC-PB-101(L)	LK PRESS BNDRY	B15.50	VT-2	SLC-101

C-F-2

	6RCIC(1)-54	ELL TO PIPE	C5.51	VOL	RCIC-205
	6RCIC(1)-54	ELL TO PIPE	C5.51	SUR	RCIC-205
	6RCIC(1)-54/2(3)-4	BRANCH CONN	C5.81	SUR	RCIC-205
	6RCIC(1)-65	PIPE TO TEE	C5.51	VOL	RCIC-205
	6RCIC(1)-65	PIPE TO TEE	C5.51	SUR	RCIC-205
	6RCIC(6)-1	TEE TO PIPE	C5.51	SUR	RCIC-205
	6RCIC(6)-2	PIPE TO ELL	C5.51	VOL	RCIC-205
	6RCIC(6)-2	PIPE TO ELL	C5.51	SUR	RCIC-205
	6RCIC(1)-72	ELL TO PIPE	C5.51	VOL	RCIC-205
	6RCIC(1)-72	ELL TO PIPE	C5.51	SUR	RCIC-205
	12HPCS(3)-1A	TEE TO RO	C5.51	VOL	HPCS-202
	12HPCS(3)-1A	TEE TO RO	C5.51	SUR	HPCS-202
	12HPCS(3)-1B	RO TO PIPE	C5.51	VOL	HPCS-202
	12HPCS(3)-1B	RO TO PIPE	C5.51	SUR	HPCS-202
	12HPCS(3)-1C	PIPE TO RO	C5.51	VOL	HPCS-202
	12HPCS(3)-1C	PIPE TO RO	C5.51	SUR	HPCS-202
	12HPCS(3)-3A	RO TO PIPE	C5.51	VOL	HPCS-202
	12HPCS(3)-3A	RO TO PIPE	C5.51	SUR	HPCS-202
	16HPCS(1)-42	ELL TO PIPE	C5.51	VOL	HPCS-202

1. OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM, 3000 GEORGE WASHINGTON WAY, P.O. BOX 968,
 RICHLAND, WASHINGTON 99352 2. PLANT: WNP-2, HANFORD RESERVATION, BENTON COUNTY, WA.
 3. PLANT UNIT: WNP-2 4. OWNER CERTIFICATE OF AUTHORIZATION: N/A
 5. COMMERCIAL SERVICE DATE: 12/13/1984 6. NATIONAL BOARD NUMBER: N/A
 10. ABSTRACT OF EXAMINATIONS. LIST OF EXAMINATIONS:

CODE	CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ITEM NO.	METHOD	DRAWING NO.
		16HPCS(1)-42	ELL TO PIPE	C5.51	SUR	HPCS-202
		24LPCS(2)-8	PIPE TO ELL	C5.51	VOL	LPCS-201
		24LPCS(2)-8	PIPE TO ELL	C5.51	SUR	LPCS-201
		24LPCS(2)-16	PIPE TO NOZZLE	C5.51	VOL	LPCS-201
		24LPCS(2)-16	PIPE TO NOZZLE	C5.51	SUR	LPCS-201
		12RHR(1)A-3A	PIPE TO ELL	C5.51	VOL	RHR-201
		12RHR(1)A-3A	PIPE TO ELL	C5.51	SUR	RHR-201
		16RHR(5)A-3	ELL TO PIPE	C5.51	VOL	RHR-202
		16RHR(5)A-3	ELL TO PIPE	C5.51	SUR	RHR-202
		16RHR(5)A-10	PIPE TO VALVE	C5.51	VOL	RHR-202
		16RHR(5)A-10	PIPE TO VALVE	C5.51	SUR	RHR-202
		18RHR(4)A-23	ELL TO PIPE	C5.51	VOL	RHR-203
		18RHR(4)A-23	ELL TO PIPE	C5.51	SUR	RHR-203
		18RHR(4)A-25	PIPE TO ELL	C5.51	VOL	RHR-203
		18RHR(4)A-25	PIPE TO ELL	C5.51	SUR	RHR-203
		20RHR(2)A-11/10RHR(2)-2	PIPE TO WOL	C5.81	SUR	RHR-205
		18RHR(2)A-1	REDUCER TO PIPE	C5.51	VOL	RHR-205
		18RHR(2)A-1	REDUCER TO PIPE	C5.51	SUR	RHR-205
		18RHR(2)A-2	PIPE TO TEE	C5.51	VOL	RHR-205
		18RHR(2)A-2	PIPE TO TEE	C5.51	SUR	RHR-205
D-A		MS-289(W)	WELDED ATTACH	D1.40	VT-3	MS-308
		MSRV-4B-5(W)	WELDED ATTACH	D1.30	VT-3	MS-308
		MSRV-4B-7(W)	WELDED ATTACH	D1.30	VT-3	MS-308
		MSRV-4B-10(W)	WELDED ATTACH	D1.30	VT-3	MS-308
		MS-291(W)	WELDED ATTACH	D1.40	VT-3	MS-308
		MSRV-3C-2(W)	WELDED ATTACH	D1.30	VT-3	MS-312
		MSRV-3C-1(W)	WELDED ATTACH	D1.30	VT-3	MS-312
		MSRV-3C-3(W)	WELDED ATTACH	D1.30	VT-3	MS-312
		MSRV-3C-8(W)	WELDED ATTACH	D1.30	VT-3	MS-312
		MSRV-3C-4(W)	WELDED ATTACH	D1.30	VT-3	MS-312
		MSRV-3C-6(W)	WELDED ATTACH	D1.30	VT-3	MS-312
		MSRV-3C-5(W)	WELDED ATTACH	D1.30	VT-3	MS-312

1. OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM, 3000 GEORGE WASHINGTON WAY, P.O. BOX 968,
 RICHLAND, WASHINGTON 99352 2. PLANT: WNP-2, HANFORD RESERVATION, BENTON COUNTY, WA.
 3. PLANT UNIT: WNP-2 4. OWNER CERTIFICATE OF AUTHORIZATION: N/A
 5. COMMERCIAL SERVICE DATE: 12/13/1984 6. NATIONAL BOARD NUMBER: N/A
 10. ABSTRACT OF EXAMINATIONS. LIST OF EXAMINATIONS:

CODE	CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ITEM NO.	METHOD	DRAWING NO.
		MSRV-3C-10(W)	WELDED ATTACH	D1.30	VT-3	MS-312
		MSRV-5C-3(W)	WELDED ATTACH	D1.30	VT-3	MS-314
		MSRV-5C-2(W)	WELDED ATTACH	D1.30	VT-3	MS-314
		MS-325(W)	WELDED ATTACH	D1.40	VT-3	MS-314
		MSRV-5C-6(W)	WELDED ATTACH	D1.30	VT-3	MS-314
		MSRV-5C-4(W)	WELDED ATTACH	D1.30	VT-3	MS-314
		MSRV-5C-7(W)	WELDED ATTACH	D1.30	VT-3	MS-314
		MS-327(W)	WELDED ATTACH	D1.40	VT-3	MS-314
		MS-346(W)	WELDED ATTACH	D1.40	VT-3	MS-314
		MS-310(W)	WELDED ATTACH	D1.40	VT-3	MS-315
		MS-340(W)	WELDED ATTACH	D1.40	VT-3	MS-315
		MSRV-3D-4(W)	WELDED ATTACH	D1.30	VT-3	MS-317
		MS-316(W)	WELDED ATTACH	D1.40	VT-3	MS-317
		MSRV-4D-2(W)	WELDED ATTACH	D1.30	VT-3	MS-318
D-B		SW-436(W)	WELDED ATTACH	D2.20	VT-3	SW-301
		SW-29(W)	WELDED ATTACH	D2.30	VT-3	SW-305
		SW-119(W)	WELDED ATTACH	D2.40	VT-3	SW-305
		SW-920N(W)	WELDED ATTACH	D2.20	VT-3	SW-307
IWF		RCIC-74	SPRING	F-X	VT3H	RCIC-101
		RCIC-1C-12	RIGID STRUT	F-X	VT3H	RCIC-101
		RCIC-1C-16	RIGID STRUT	F-X	VT3H	RCIC-101
		RCIC-1C-7	RIGID STRUT	F-X	VT3H	RCIC-101
		RCIC-1C-5	RIGID STRUT	F-X	VT3H	RCIC-101
		RCIC-1C-13	RIGID STRUT	F-X	VT3H	RCIC-101
		RCIC-1C-2	RIGID STRUT	F-X	VT3H	RCIC-101
		RCIC-1C-1	RIGID STRUT	F-X	VT3H	RCIC-101
		RCIC-30	SPRING	F-X	VT3H	RCIC-203
		RCIC-28	BOX	F-X	VT3H	RCIC-203
		RCIC-971N	PSA-1 SNUBBER	F-X	VT3H	RCIC-203
		RCIC-4	PSA-1 SNUBBER	F-3	VT3H	RCIC-203
		RCIC-5	STRUT(2)	F-X	VT3H	RCIC-203

1. OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM, 3000 GEORGE WASHINGTON WAY, P.O. BOX 968,
 RICHLAND, WASHINGTON 99352 2. PLANT: WNP-2, HANFORD RESERVATION, BENTON COUNTY, WA.
 3. PLANT UNIT: WNP-2 4. OWNER CERTIFICATE OF AUTHORIZATION: N/A
 5. COMMERCIAL SERVICE DATE: 12/13/1984 6. NATIONAL BOARD NUMBER: N/A
 10. ABSTRACT OF EXAMINATIONS. LIST OF EXAMINATIONS:

CODE CATEGORY IDENTIFICATION NO. DESCRIPTION ITEM NO. METHOD DRAWING NO.

RCIC-6	SPRING	F-X	VT3H	RCIC-203
RCIC-7	ANCHOR	F-X	VT3H	RCIC-203
RCIC-25	STRUT	F-X	VT3H	RCIC-203
RCIC-23	STRUT	F-X	VT3H	RCIC-203
RCIC-24	STRUT	F-X	VT3H	RCIC-203
RCIC-26	PSA-3 SNUBBER	F-X	VT3H	RCIC-203
RCIC-27	SPRING	F-X	VT3H	RCIC-203
RCIC-8	STRUT	F-X	VT3H	RCIC-205
RCIC-19	BOX	F-X	VT3H	RCIC-205
RCIC-20	BOX	F-X	VT3H	RCIC-205
RCIC-956N	STRUT	F-X	VT3H	RCIC-205
RCIC-21	STRUT	F-X	VT3H	RCIC-205
HPCS-42	SPRING	F-X	VT3H	HPCS-101
HPCS-907N	STRUT	F-X	VT3H	HPCS-101
HPCS-911N	RIGID STRUT	F-X	VT3H	HPCS-101
HPCS-908N	STRUT	F-X	VT3H	HPCS-101
HPCS-906N	SPRING	F-X	VT3H	HPCS-101
HPCS-905N	PSA-10 SNUBBER	F-X	VT3H	HPCS-202
HPCS-924N	PSA-3 SN(2)	F-X	VT3H	HPCS-202
LPCS-28	PSA-3 SNUBBER	F-X	VT3H	LPCS-101
LPCS-900N	BOX	F-X	VT3H	LPCS-201
LPCS-3	ANCHOR	F-X	VT3H	LPCS-201
LPCS-2	RIGID	F-X	VT3H	LPCS-201
LPCS-902N	SPRING	F-X	VT3H	LPCS-201
LPCS-1	RIGID	F-X	VT3H	LPCS-201
RHR-231	SPRING	F-X	VT3H	RHR-101
RHR-907N	PSA-35 SNUBBER	F-X	VT3H	RHR-102
RHR-482	STRUT	F-X	VT3H	RHR-102
RHR-483	SPRING	F-X	VT3H	RHR-102
RHR-523	SPRING	F-X	VT3H	RHR-102
RHR-388	PSA-10 SN(2)	F-X	VT3H	RHR-102
RHR-522	SPRING	F-X	VT3H	RHR-102
RHR-389	PSA-35 SNUBBER	F-X	VT3H	RHR-102

1. OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM, 3000 GEORGE WASHINGTON WAY, P.O. BOX 968,
 RICHLAND, WASHINGTON 99352 2. PLANT: WNP-2, HANFORD RESERVATION, BENTON COUNTY, WA.
 3. PLANT UNIT: WNP-2 4. OWNER CERTIFICATE OF AUTHORIZATION: N/A
 5. COMMERCIAL SERVICE DATE: 12/13/1984 6. NATIONAL BOARD NUMBER: N/A
 10. ABSTRACT OF EXAMINATIONS. LIST OF EXAMINATIONS:

CODE CATEGORY IDENTIFICATION NO. DESCRIPTION ITEM NO. METHOD DRAWING NO.

RHR-87	PSA-10	SNUBBER	F-X	VT3H	RHR-103
RHR-1017N		SPRING	F-X	VT3H	RHR-103
RHR-526		SPRING	F-X	VT3H	RHR-103
RHR-286	PSA-10	SN(2)	F-X	VT3H	RHR-103
RHR-525		SPRING	F-X	VT3H	RHR-103
RHR-SA-53	PSA-10	SNUBBER	F-X	VT3H	RHR-104
RHR-425		SPRING	F-X	VT3H	RHR-104
RHR-SA-55	PSA-100	SNUBBER	F-X	VT3H	RHR-104
RHR-SA-57	PSA-35	SNUBBER	F-X	VT3H	RHR-104
RHR-428		SPRING	F-X	VT3H	RHR-104
RHR-SA-56	PSA-10	SNUBBER	F-X	VT3H	RHR-104
RHR-SA-58	PSA-35	SN(2)	F-X	VT3H	RHR-104
RHR-514		SPRING	F-X	VT3H	RHR-106
RHR-SB-38	PSA-10	SNUBBER	F-X	VT3H	RHR-106
RHR-SB-37	PSA-10	SNUBBER	F-X	VT3H	RHR-106
RHR-SB-35	PSA-10	SNUBBER	F-X	VT3H	RHR-106
RHR-SB-36	PSA-10	SNUBBER	F-X	VT3H	RHR-106
RHR-SB-32	PSA-10	SNUBBER	F-X	VT3H	RHR-106
RHR-SB-33	PSA-10	SNUBBER	F-X	VT3H	RHR-106
RHR-518		SPRING	F-X	VT3H	RHR-106
RHR-248		SPRING	F-X	VT3H	RHR-202
RHR-252		SPRING	F-X	VT3H	RHR-202
RHR-958N		ANCHOR	F-X	VT3H	RHR-202
RHR-256	PSA-35	SNUBBER	F-X	VT3H	RHR-202
RHR-257		SPRING	F-X	VT3H	RHR-202
RHR-262		SPRING	F-X	VT3H	RHR-203
RHR-407		SPRING	F-X	VT3H	RHR-203
RHR-409		BOX	F-X	VT3H	RHR-203
RHR-410		ANCHOR	F-X	VT3H	RHR-203
RHR-411		BOX	F-X	VT3H	RHR-203
RHR-412		STRUT	F-X	VT3H	RHR-203
RHR-414	PSA-3	SN(2)	F-X	VT3H	RHR-203
RHR-415		STRUT	F-X	VT3H	RHR-203

1. OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM, 3000 GEORGE WASHINGTON WAY, P.O. BOX 968,
 RICHLAND, WASHINGTON 99352 2. PLANT: WNP-2, HANFORD RESERVATION, BENTON COUNTY, WA.
 3. PLANT UNIT: WNP-2 4. OWNER CERTIFICATE OF AUTHORIZATION: N/A
 5. COMMERCIAL SERVICE DATE: 12/13/1984 6. NATIONAL BOARD NUMBER: N/A
 10. ABSTRACT OF EXAMINATIONS. LIST OF EXAMINATIONS:

CODE CATEGORY IDENTIFICATION NO. DESCRIPTION ITEM NO. METHOD DRAWING NO.

RHR-416	PSA-10 SN(2)	F-X	VT3H	RHR-203
RHR-420	SPRING	F-X	VT3H	RHR-203
RHR-417	STRUT	F-X	VT3H	RHR-203
RHR-150	PSA-3 SN(2)	F-X	VT3H	RHR-203
RHR-150	SPRING	F-X	VT3H	RHR-203
RHR-952N	PSA-3 SNUBBER	F-X	VT3H	RHR-203
RHR-977N	PSA-3 SN(2)	F-X	VT3H	RHR-203
RHR-986N	PSA-1 SNUBBER	F-X	VT3H	RHR-203
RHR-946N	PSA-3 SNUBBER	F-X	VT3H	RHR-203
RHR-984N	SPRING	F-X	VT3H	RHR-204
RHR-66	SPRING	F-X	VT3H	RHR-205
RHR-59	PSA-10 SNUBBER	F-X	VT3H	RHR-205
RHR-61	PSA-10 SNUBBER	F-X	VT3H	RHR-205
RHR-62	SPRING	F-X	VT3H	RHR-205
RHR-60	PSA-3 SNUBBER	F-X	VT3H	RHR-205
RHR-166	SPRING	F-X	VT3H	RHR-205
RHR-920N	BOX	F-X	VT3H	RHR-207
RHR-924N	SPRING	F-X	VT3H	RHR-207
RHR-921N	BOX	F-X	VT3H	RHR-207
RHR-901N	PSA-3 SN(2)	F-X	VT3H	RHR-207
RHR-912N	PSA-10 SNUBBER	F-X	VT3H	RHR-207
RHR-218	PSA-10 SN(2)	F-X	VT3H	RHR-207
RHR-915N	PSA-10 SNUBBER	F-X	VT3H	RHR-207
RHR-902N	PSA-10 SNUBBER	F-X	VT3H	RHR-207
RHR-184	STRUT	F-X	VT3H	RHR-207
RHR-181	SPRING	F-X	VT3H	RHR-207
MS-SB-7	RIGID STRUT	F-X	VT3H	MS-102
MS-SB-9	RIGID STRUT	F-X	VT3H	MS-102
MS-SB-3	RIGID STRUT	F-X	VT3H	MS-102
MS-SB-1	RIGID STRUT	F-X	VT3H	MS-102
MS-SB-2	RIGID STRUT	F-X	VT3H	MS-102
MS-SC-4	PSA-35 SNUBBER	F-X	VT3H	MS-103
MS-SC-1	PSA-100 SNUBBER	F-X	VT3H	MS-103

1. OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM, 3000 GEORGE WASHINGTON WAY, P.O. BOX 968,
 RICHLAND, WASHINGTON 99352 2. PLANT: WNP-2, HANFORD RESERVATION, BENTON COUNTY, WA.
 3. PLANT UNIT: WNP-2 4. OWNER CERTIFICATE OF AUTHORIZATION: N/A
 5. COMMERCIAL SERVICE DATE: 12/13/1984 6. NATIONAL BOARD NUMBER: N/A
 10. ABSTRACT OF EXAMINATIONS. LIST OF EXAMINATIONS:

CODE CATEGORY IDENTIFICATION NO. DESCRIPTION ITEM NO. METHOD DRAWING NO.

MS-SC-2	PSA-100 SNUBBER	F-X	VT3H	MS-103
MS-1368-13	PSA-1/2 SNUBBER	F-X	VT3H	MS-105
MS-1368-12	PSA-1/2 SNUBBER	F-X	VT3H	MS-105
MS-1368-11	SPRING	F-X	VT3H	MS-105
MS-1369-13	PSA-1/2 SNUBBER	F-X	VT3H	MS-105
MS-1369-12	PSA-1/2 SNUBBER	F-X	VT3H	MS-105
MS-1369-11	SPRING	F-X	VT3H	MS-105
MS-256	STRUT	F-X	VT3H	MS-206
RFW-148	STRUT	F-X	VT3H	RFW-101
RFW-157	SPRING	F-X	VT3H	RFW-101
RRC-SB-25	PSA-35 SNUBBER	F-X	VT3H	RRC-102
RRC-SB-1	PSA-35 SNUBBER	F-X	VT3H	RRC-102
RRC-SB-2	PSA-35 SNUBBER	F-X	VT3H	RRC-102
RRC-SB-66	PSA-35 SNUBBER	F-X	VT3H	RRC-102
RRC-SB-8	PSA-35 SNUBBER	F-X	VT3H	RRC-102
RRC-SB-9	PSA-35 SNUBBER	F-X	VT3H	RRC-102
RRC-SB-17	PSA-35 SNUBBER	F-X	VT3H	RRC-102
RRC-SB-18	PSA-35 SNUBBER	F-X	VT3H	RRC-102
RHR-SB-30	PSA-10 SNUBBER	F-X	VT3H	RRC-107
SW-59	BOX	F-X	VT3H	SW-301
SW-436	STRUT	F-X	VT3H	SW-301
SW-61	STRUT	F-X	VT3H	SW-301
SW-172	STRUT	F-X	VT3H	SW-301
SW-62	STRUT	F-X	VT3H	SW-301
SW-63	BOX	F-X	VT3H	SW-301
SW-65	STRUT	F-X	VT3H	SW-301
SW-66	BOX	F-X	VT3H	SW-301
SW-71	STRUT	F-X	VT3H	SW-301
SW-173	STRUT	F-X	VT3H	SW-301
SW-68	BOX	F-X	VT3H	SW-301
SW-171	STRUT	F-X	VT3H	SW-301
SW-70	STRUT	F-X	VT3H	SW-301
SW-126	STRUT	F-X	VT3H	SW-301

1. OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM, 3000 GEORGE WASHINGTON WAY, P.O. BOX 968,
 RICHLAND, WASHINGTON 99352 2. PLANT: WNP-2, HANFORD RESERVATION, BENTON COUNTY, WA.
 3. PLANT UNIT: WNP-2 4. OWNER CERTIFICATE OF AUTHORIZATION: N/A
 5. COMMERCIAL SERVICE DATE: 12/13/1984 6. NATIONAL BOARD NUMBER: N/A
 10. ABSTRACT OF EXAMINATIONS. LIST OF EXAMINATIONS:

CODE CATEGORY IDENTIFICATION NO. DESCRIPTION ITEM NO. METHOD DRAWING NO.

	SW-942N	STRUT	F-X	VT3H	SW-301
	SW-435	BOX	F-X	VT3H	SW-301
	SW-73	STRUT	F-X	VT3H	SW-301
	SW-200	STRUT	F-X	VT3H	SW-301
	SW-74	STRUT	F-X	VT3H	SW-301
	SW-434	BOX	F-X	VT3H	SW-301
	SW-76	STRUT	F-X	VT3H	SW-301
	SW-201	STRUT	F-X	VT3H	SW-301
	SW-120	BOX	F-X	VT3H	SW-301
	SW-430	STRUT	F-X	VT3H	SW-301
	SW-122	SPRING (2)	F-X	VT3H	SW-301
	SW-123	RIGID	F-X	VT3H	SW-301
	SW-147	BOX	F-X	VT3H	SW-303
	SW-148	SPRING (2)	F-X	VT3H	SW-303
	SW-941N	BOX	F-X	VT3H	SW-303
	SW-940N	BOX	F-X	VT3H	SW-303
	SW-939N	BOX	F-X	VT3H	SW-303
	SW-358	BOX	F-X	VT3H	SW-304
	SW-357	BOX	F-X	VT3H	SW-304
	SW-356	BOX	F-X	VT3H	SW-304
	SW-354	BOX	F-X	VT3H	SW-304
	SW-426	BOX	F-X	VT3H	SW-304
	SW-355	BOX	F-X	VT3H	SW-304
	SW-194	STRUT	F-X	VT3H	SW-305
	SW-28	STRUT	F-X	VT3H	SW-305
	SW-179	STRUT	F-X	VT3H	SW-305
	SW-27	STRUT	F-X	VT3H	SW-305
	SW-29	PSA-10 SN(4)	F-X	VT3H	SW-305
	SW-119	SPRING (2)	F-X	VT3H	SW-305
	SW-22	SPRING	F-X	VT3H	SW-305
	SW-308	BOX	F-X	VT3H	SW-306
	SW-307	BOX	F-X	VT3H	SW-306
	SW-266	BOX	F-X	VT3H	SW-306

1. OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM, 3000 GEORGE WASHINGTON WAY, P.O. BOX 968,
 RICHLAND, WASHINGTON 99352 2. PLANT: WNP-2, HANFORD RESERVATION, BENTON COUNTY, WA.
 3. PLANT UNIT: WNP-2 4. OWNER CERTIFICATE OF AUTHORIZATION: N/A
 5. COMMERCIAL SERVICE DATE: 12/13/1984 6. NATIONAL BOARD NUMBER: N/A
 10. ABSTRACT OF EXAMINATIONS. LIST OF EXAMINATIONS:

CODE CATEGORY IDENTIFICATION NO. DESCRIPTION ITEM NO. METHOD DRAWING NO.

SW-267	BOX	F-X	VT3H	SW-306
SW-292	BOX	F-X	VT3H	SW-306
SW-293	BOX	F-X	VT3H	SW-306
SW-294	BOX	F-X	VT3H	SW-306
SW-306	BOX	F-X	VT3H	SW-306
SW-303	BOX	F-X	VT3H	SW-306
SW-302	BOX	F-X	VT3H	SW-306
SW-301	BOX	F-X	VT3H	SW-306
SW-312	BOX	F-X	VT3H	SW-306
SW-79	STRUT	F-X	VT3H	SW-307
SW-80	BOX	F-X	VT3H	SW-307
SW-81	BOX	F-X	VT3H	SW-307
SW-914N	STRUT (2)	F-X	VT3H	SW-307
SW-917N	SPRING	F-X	VT3H	SW-307
SW-386	STRUT	F-X	VT3H	SW-307
SW-83	STRUT	F-X	VT3H	SW-307
SW-197	BOX	F-X	VT3H	SW-307
SW-84	STRUT	F-X	VT3H	SW-307
SW-180	STRUT	F-X	VT3H	SW-307
SW-195	BOX	F-X	VT3H	SW-307
SW-943N	STRUT	F-X	VT3H	SW-307
SW-19	BOX	F-X	VT3H	SW-307
SW-919N	BOX	F-X	VT3H	SW-307
SW-920N	BOX	F-X	VT3H	SW-307
SW-921N	BOX	F-X	VT3H	SW-307
SW-922N	BOX	F-X	VT3H	SW-307
SW-923N	BOX	F-X	VT3H	SW-307
SW-924N	BOX	F-X	VT3H	SW-307
SW-925N	BOX	F-X	VT3H	SW-307
SW-926N	BOX	F-X	VT3H	SW-307
SW-933N	BOX	F-X	VT3H	SW-307
SW-935N	BOX	F-X	VT3H	SW-307
SW RING HDR A(CS)	RING HDR SUPPT	F-X	VT3H	SW-307

1. OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM, 3000 GEORGE WASHINGTON WAY, P.O. BOX 968,
 RICHLAND, WASHINGTON 99352 2. PLANT: WNP-2, HANFORD RESERVATION, BENTON COUNTY, WA.
 3. PLANT UNIT: WNP-2 4. OWNER CERTIFICATE OF AUTHORIZATION: N/A
 5. COMMERCIAL SERVICE DATE: 12/13/1984 6. NATIONAL BOARD NUMBER: N/A
 10. ABSTRACT OF EXAMINATIONS. LIST OF EXAMINATIONS:

CODE CATEGORY IDENTIFICATION NO. DESCRIPTION ITEM NO. METHOD DRAWING NO.

	SW-259	BOX	F-X	VT3H	SW-308
	SW-304	BOX	F-X	VT3H	SW-308
	SW-13	BOX	F-X	VT3H	SW-309
	SW-962N	RIGID	F-X	VT3H	SW-312
	SW-963N	RIGID	F-X	VT3H	SW-312
	SW-964N	RIGID	F-X	VT3H	SW-312
	SW-965N	RIGID	F-X	VT3H	SW-312
	SW-966N	RIGID	F-X	VT3H	SW-312
	SW-959N	RIGID	F-X	VT3H	SW-313
	SW-958N	RIGID	F-X	VT3H	SW-313
	SW-957N	RIGID	F-X	VT3H	SW-313
	SW-954N	RIGID	F-X	VT3H	SW-314
	SW-953N	RIGID	F-X	VT3H	SW-314
	SW-983N	ANCHOR	F-X	VT3H	SW-314
	FPC-126	STRUT	F-X	VT3H	FPC-306
	FPC-123	BOX	F-X	VT3H	FPC-306
	FPC-99	BOX	F-X	VT3H	FPC-307
	FPC-47	BOX	F-X	VT3H	FPC-307
	FPC-48	BOX	F-X	VT3H	FPC-307
	FPC-49	BOX	F-X	VT3H	FPC-307
	FPC-100	BOX	F-X	VT3H	FPC-307
	FPC-50	BOX	F-X	VT3H	FPC-307
	FPC-907N	RIGID	F-X	VT3H	FPC-307
	MSRV-2B-2	RIGID STRUT	F-X	VT3H	MS-306
	MSRV-2B-6	RIGID STRUT	F-X	VT3H	MS-306
	MSRV-3B-6	RIGID STRUT	F-X	VT3H	MS-307
	MSRV-3B-7	RIGID STRUT	F-X	VT3H	MS-307
	MS-287	SPRING	F-X	VT3H	MS-308
	MSRV-4B-3	PSA-10 SNUBBER	F-X	VT3H	MS-308
	MS-288	SPRING	F-X	VT3H	MS-308
	MS-289	SPRING	F-X	VT3H	MS-308
	MSRV-4B-5	RIGID STRUT	F-X	VT3H	MS-308
	MSRV-4B-7	RIGID STRUT	F-X	VT3H	MS-308

1. OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM, 3000 GEORGE WASHINGTON WAY, P.O. BOX 968,
 RICHLAND, WASHINGTON 99352 2. PLANT: WNP-2, HANFORD RESERVATION, BENTON COUNTY, WA.
 3. PLANT UNIT: WNP-2 4. OWNER CERTIFICATE OF AUTHORIZATION: N/A
 5. COMMERCIAL SERVICE DATE: 12/13/1984 6. NATIONAL BOARD NUMBER: N/A
 10. ABSTRACT OF EXAMINATIONS. LIST OF EXAMINATIONS:

CODE CATEGORY IDENTIFICATION NO. DESCRIPTION ITEM NO. METHOD DRAWING NO.

MS-291	SPRING	F-X	VT3H	MS-308
MS-292	SPRING	F-X	VT3H	MS-308
MSRV-4B-9PS	RIGID	F-X	VT3H	MS-308
MSRV-5B-7	RIGID STRUT	F-X	VT3H	MS-309
MSRV-5B-8	RIGID STRUT	F-X	VT3H	MS-309
MS-300	SPRING	F-X	VT3H	MS-312
MSRV-3C-2	PSA-10 SNUBBER	F-X	VT3H	MS-312
MSRV-3C-1	PSA-35 SNUBBER	F-X	VT3H	MS-312
MSRV-3C-3	PSA-10 SNUBBER	F-X	VT3H	MS-312
MS-301	SPRING	F-X	VT3H	MS-312
MSRV-3C-8	PSA-10 SNUBBER	F-X	VT3H	MS-312
MS-302	SPRING	F-X	VT3H	MS-312
MSRV-3C-6	PSA-10 SNUBBER	F-X	VT3H	MS-312
MSRV-3C-5	PSA-10 SNUBBER	F-X	VT3H	MS-312
MSRV-3C-7	PSA-10 SNUBBER	F-X	VT3H	MS-312
MS-303	SPRING	F-X	VT3H	MS-312
MSRV-3C-10	STRUT	F-X	VT3H	MS-312
MS-338	SPRING	F-X	VT3H	MS-312
MSRV-5C-3	PSA-35 SNUBBER	F-X	VT3H	MS-314
MS-324	SPRING	F-X	VT3H	MS-314
MSRV-5C-2	PSA-10 SNUBBER	F-X	VT3H	MS-314
MSRV-5C-1	PSA-10 SNUBBER	F-X	VT3H	MS-314
MS-325	SPRING	F-X	VT3H	MS-314
MSRV-5C-6	PSA-10 SNUBBER	F-X	VT3H	MS-314
MSRV-5C-4	PSA-35 SNUBBER	F-X	VT3H	MS-314
MS-326	SPRING	F-X	VT3H	MS-314
MSRV-5C-5	PSA-10 SNUBBER	F-X	VT3H	MS-314
MSRV-5C-7	PSA-10 SNUBBER	F-X	VT3H	MS-314
MSRV-5C-8	PSA-35 SNUBBER	F-X	VT3H	MS-314
MS-327	SPRING	F-X	VT3H	MS-314
MS-346	SPRING	F-X	VT3H	MS-314
MSRV-5C-9	PSA-10 SNUBBER	F-X	VT3H	MS-314
MS-308	SPRING	F-X	VT3H	MS-315

1. OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM, 3000 GEORGE WASHINGTON WAY, P.O. BOX 968,
 RICHLAND, WASHINGTON 99352 2. PLANT: WNP-2, HANFORD RESERVATION, BENTON COUNTY, WA.
 3. PLANT UNIT: WNP-2 4. OWNER CERTIFICATE OF AUTHORIZATION: N/A
 5. COMMERCIAL SERVICE DATE: 12/13/1984 6. NATIONAL BOARD NUMBER: N/A
 10. ABSTRACT OF EXAMINATIONS. LIST OF EXAMINATIONS:

CODE	CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ITEM NO.	METHOD	DRAWING NO.
		MSRV-1D-3	PSA-10 SNUBBER	F-X	VT3H	MS-315
		MS-309	SPRING	F-X	VT3H	MS-315
		MS-310	SPRING	F-X	VT3H	MS-315
		MS-340	SPRING	F-X	VT3H	MS-315
		MSRV-1D-7PS	RIGID	F-X	VT3H	MS-315
		MS-314	SPRING	F-X	VT3H	MS-317
		MSRV-3D-4	PSA-10 SNUBBER	F-X	VT3H	MS-317
		MS-315	SPRING	F-X	VT3H	MS-317
		MSRV-3D-7	STRUT	F-X	VT3H	MS-317
		MS-316	SPRING	F-X	VT3H	MS-317
		MSRV-3D-8PS	RIGID	F-X	VT3H	MS-317
		MS-342	SPRING	F-X	VT3H	MS-317
		MS-317	SPRING	F-X	VT3H	MS-318
		MSRV-4D-2	PSA-10 SNUBBER	F-X	VT3H	MS-318

APPENDIX B

This appendix summarizes the ISI examination results for refueling outage RF92A. This outage is identified as R7 in this summary.

The following notes in the REMARKS column apply:

- (1) This weld did not receive full UT coverage from both sides. It did receive full coverage from one side and meets ASME Section XI requirements.
- (2) This weld did not receive full ASME Section XI coverage requirements.

ENF-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. RRV-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RPV
DESCRIPTION: NOZZLES - SHELL

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. METHOD	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
N1-0	VOL	1RPU-088	45,60	0			748 SEGREGATES FOUND BY 0 DEG. EVALUATED AS ACCEPTABLE.
N1-0-IR	VOL	1RPU-089	ACC				NO RECORDABLE INDICATIONS
N1-180	VOL	1RPU-090	45,60	0			76 INDICATIONS EVALUATED AS SEGREGATES AND ACCEPTABLE.
N1-180-IR	VOL	1RPU-091	ACC				NO RECORDABLE INDICATIONS
N2-90	VOL	1RPU-092	45,60	0			9 INDICATIONS WITH 0 deg EVALUATED AS SEGREGATES AND ACCEPTABLE
N2-90-IR	VOL	1RPU-093	ACC				NO RECORDABLE INDICATIONS
N2-120	VOL	1RPU-094	45,60	0			180 INDICATIONS BY 0 deg EVALUATED AS SEGREGATES AND FOUND ACCEPTABLE
N2-120-IR	VOL	1RPU-095	ACC				NO RECORDABLE INDICATIONS
N2-150	VOL	1RPU-096	0,45,60				NO RECORDABLE INDICATIONS
N2-150-IR	VOL	1RPU-097	ACC				NO RECORDABLE INDICATIONS
N2-210	VOL	1RPU-098	45,60	0			163 INDICATIONS BY 0 deg EVALUATED AS SEGREGATES AND FOUND ACCEPTABLE

HP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. RPV-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RPV
DESCRIPTION: NOZZLES - SHELL

PAGE 002
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
N2-210-IR	VOL	1RPU-099	ACC				NO RECORDABLE INDICATIONS
N2-240	VOL	1RPU-100	45,60	0			216 INDICATIONS BY 0 deg EVALUATED AS SEGREGATES AND FOUND ACCEPTABLE
N2-240-IR	VOL	1RPU-101	ACC				NO RECORDABLE INDICATIONS
N2-270	VOL	1RPU-102	45,60	0			78 INDICATIONS BY 0 deg EVALUATED AS SEGREGATES AND FOUND ACCEPTABLE
N2-270-IR	VOL	1RPU-103	ACC				NO RECORDABLE INDICATIONS
N2-300	VOL	1RPU-104	45,60	0			11 INDICATIONS BY 0 deg EVALUATED AS SEGREGATES AND FOUND ACCEPTABLE
N2-300-IR	VOL	1RPU-105	ACC				NO RECORDABLE INDICATIONS
N2-330	VOL	1RPU-106	45,60	0			97 INDICATIONS BY 0 deg EVALUATED AS SEGREGATES AND FOUND ACCEPTABLE
N2-330-IR	VOL	1RPU-107	ACC				NO RECORDABLE INDICATIONS
N4-150	VOL	1RPU-108	45,60	0			340 INDICATIONS BY 0 deg EVALUATED AS SEGREGATES AND FOUND ACCEPTABLE

NP-02
INTERVAL
PERIOD: 03
OUTAGE: R7
DRAWING NO. RPV-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RPV
DESCRIPTION: NOZZLES - SHELL

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	
N4-210	VOL	1RPU-109	45,60	0			15 INDICATIONS BY 0 deg EVALUATED AS SEGREGATES AND FOUND ACCEPTABLE
N4-270	VOL	1RPU-110	45,60	0			5 INDICATIONS BY 0 deg EVALUATED AS SEGREGATES AND FOUND ACCEPTABLE
N4-330	VOL	1RPU-111	45,60	0			2 INDICATIONS BY 0 deg EVALUATED AS SEGREGATES AND FOUND ACCEPTABLE
N6-135	VOL	1RPU-112	45,60	0			2 INDICATIONS BY 0 deg EVALUATED AS SEGREGATES AND FOUND ACCEPTABLE
N6-135-IR	VOL	1RPU-113	ACC				NO RECORDABLE INDICATIONS
N6-315	VOL	1RPU-114	0,45,60				NO RECORDABLE INDICATIONS
N6-315-IR	VOL	1RPU-115	ACC				NO RECORDABLE INDICATIONS
N9-105	VOL	R-R7-G03	0,45,60				NO RECORDABLE INDICATIONS
N9-105-IR	VOL	R-R7-G01	ACC				NO RECORDABLE INDICATIONS
N9-285	VOL	R-R7-G04	0,45,60				NO RECORDABLE INDICATIONS
N9-285-IR	VOL	R-R7-G02	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. RPV-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RPV
DESCRIPTION: NOZZLES - SHELL

PAGE 004
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO	INSIGNIF	SIGNIFICANT		
			INDIC.	INDIC.	GEOMETRY	OTHER	
4JP(NZ)A-1	VOL	R-R7-11	45,60				NO RECORDABLE INDICATIONS AXIAL UPSTREAM SCAN LIMITED TO 'W' OF 2.05" FROM WELD CL DUE TO NOZZLE CONFIGURATION SEE NOTE 1
4JP(NZ)A-2	SUR	1RPP-004		ACC			1/8 X 1/32 LINEAR 180-270 DEG
	VOL	R-R7-13	45,60				NO RECORDABLE INDICATIONS
4JP(NZ)B-1	SUR	1RPP-005		ACC			NO RECORDABLE INDICATIONS
	VOL	R-R7-12	45,60				NO RECORDABLE INDICATIONS AXIAL UPSTREAM SCAN LIMITED TO 'W' OF 2.05" FROM WCL DUE TO NOZZLE CONFIGURATION SEE NOTE 1
4JP(NZ)B-2	SUR	1RPP-006		ACC			NO RECORDABLE INDICATIONS
	VOL	R-R7-14	45,60				NO RECORDABLE INDICATIONS
N10-180	SUR	1RPP-006		ACC			NO RECORDABLE INDICATIONS
	VOL	R-R7-605	45,60	0			MULTIPLE MIDWALL INDICATIONS BY 0 deg. EVALUATED AS SEGREGATES AND FOUND ACCEPTABLE
N10-180-IR	VOL	R-R7-607		ACC			NO RECORDABLE INDICATIONS
5CRD(NZ)-1	VOL	1RPU-085			45		60% DAC L=6, W=1.48 ID GEOM

NP-02
INTERVAL
PERIOD: 03
OUTAGE: R7
DRAWING NO. RPV-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RPV
DESCRIPTION: NOZZLES - SHELL

PAGE 005
DATE 09/28/92

IDENT. NO.	EXAM. METHOD	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	
		1CRU-003	45				NO RECORDABLE INDICATIONS SCAN SURFACE 1&2 DIRECTION C&D
3CRD(NZ)-1	SUR	1RPP-003	ACC				NO RECORDABLE INDICATIONS
N16-240	SUR	1RPP-003	ACC				NO RECORDABLE INDICATIONS
	VOL	1RPU-116	45,60	0			3 INDICATIONS BY 0 deg EVALUATED AS SEGREGATES AND FOUND ACCEPTABLE
N16-240-1R	VOL	1RPU-117	ACC				NO RECORDABLE INDICATIONS

NP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. RPV-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RPV
DESCRIPTION: RPV STUDS, NUTS, ETC

PAGE 006
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	
RPV STUD 35-1-6A	VOL	1RPU-083	0				NO RECORDABLE INDICATIONS
	SUR	1RPM-034	ACC				NO RECORDABLE INDICATIONS
RPV STUD 35-1-13A	VOL	1RPU-083	0				NO RECORDABLE INDICATIONS
	SUR	1RPM-034	ACC				NO RECORDABLE INDICATIONS
RPV STUD 35-1-20A	VOL	1RPU-084	0				NO RECORDABLE INDICATIONS
	SUR	1RPM-035	ACC				NO RECORDABLE INDICATIONS
RPV STUD 35-1-27A	VOL	1RPU-084	0				NO RECORDABLE INDICATIONS
	SUR	1RPM-035	ACC				NO RECORDABLE INDICATIONS
RPV STUD 35-1-34A	VOL	1RPU-084	0				NO RECORDABLE INDICATIONS
	SUR	1RPM-035	ACC				NO RECORDABLE INDICATIONS
RPV STUD 35-1-41A	VOL	1RPU-084	0				NO RECORDABLE INDICATIONS
	SUR	1RPM-035	ACC				NO RECORDABLE INDICATIONS
RPV STUD 35-1-47A	VOL	1RPU-084	0				NO RECORDABLE INDICATIONS
	SUR	1RPM-035	ACC				NO RECORDABLE INDICATIONS
RPV STUD 35-1-48A	VOL	1RPU-084	0				NO RECORDABLE INDICATIONS

RP-62
INTERVAL
PERIOD: 03
OUTAGE: R7
DRAWING NO, RPV-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RPV
DESCRIPTION: RPV STUDS, NUTS, ETC

PAGE 007
DATE 09/28/92

IDENT. NO.	EXAM. METHOD	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO. INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	
RPV STUD 35-1-54A	SUR	1RPM-035	ACC				NO RECORDABLE INDICATIONS
	VOL	1RPU-083	0				NO RECORDABLE INDICATIONS
RPV STUD 35-1-55A	SUR	1RPM-034	ACC				NO RECORDABLE INDICATIONS
	VOL	1RPU-084	0				NO RECORDABLE INDICATIONS
RPV STUD 35-1-61A	SUR	1RPM-035	ACC				NO RECORDABLE INDICATIONS
	VOL	1RPU-083	0				NO RECORDABLE INDICATIONS
RPV STUD 35-1-62A	SUR	1RPM-034	ACC				NO RECORDABLE INDICATIONS
	VOL	1RPU-083	0				NO RECORDABLE INDICATIONS
RPV STUD 35-1-68A	SUR	1RPM-034	ACC				NO RECORDABLE INDICATIONS
	VOL	1RPU-083	0				NO RECORDABLE INDICATIONS
RPV STUD 35-1-69A	SUR	1RPM-034	ACC				NO RECORDABLE INDICATIONS
	VOL	1RPU-083	0				NO RECORDABLE INDICATIONS
RPV STUD 35-1-75A	SUR	1RPM-034	ACC				NO RECORDABLE INDICATIONS
	VOL	1RPU-083	0				NO RECORDABLE INDICATIONS
	SUR	1RPM-034	ACC				NO RECORDABLE INDICATIONS

HP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO: RPV-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RPV
DESCRIPTION: RPV STUDS, NUTS, ETC

PAGE 008
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY OTHER		
RPV STUD 35-1-76A	VOL	1RPU-083	0				NO RECORDABLE INDICATIONS
	SUR	1RPM-034	ACC				NO RECORDABLE INDICATIONS
RPV NUT 36-1-6A	VOL	1RPU-086	0, 37, 45				NO RECORDABLE INDICATIONS
	SUR	1RPM-036	ACC				NO RECORDABLE INDICATIONS
RPV NUT 36-1-13A	VOL	1RPU-086	0, 37, 45				NO RECORDABLE INDICATIONS
	SUR	1RPM-036	ACC				NO RECORDABLE INDICATIONS
RPV NUT 36-1-20A	VOL	1RPU-086	0, 37, 45				NO RECORDABLE INDICATIONS
	SUR	1RPM-036	ACC				NO RECORDABLE INDICATIONS
RPV NUT 36-1-27A	VOL	1RPU-086	0, 37, 45				NO RECORDABLE INDICATIONS
	SUR	1RPM-036	ACC				NO RECORDABLE INDICATIONS
RPV NUT 36-1-34A	VOL	1RPU-086	0, 37, 45				NO RECORDABLE INDICATIONS
	SUR	1RPM-036	ACC				NO RECORDABLE INDICATIONS
RPV NUT 36-1-41A	VOL	1RPU-086	0, 37, 45				NO RECORDABLE INDICATIONS
	SUR	1RPM-036	ACC				NO RECORDABLE INDICATIONS
RPV NUT 36-1-47A	VOL	1RPU-086	0, 37, 45				NO RECORDABLE INDICATIONS

NP-02
INTERVAL
PERIOD: 03
CUTAGE: R7
DRAWING NO. RPV-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RPV
DESCRIPTION: RPV STUDS, NUTS, ETC

PAGE 00
DATE 09/28/92

IDENT..NO.---	EXAM. MTH.	EXAM. DATA SHEET NO.---	EXAMINATION RESULTS				REMARKS
			NO INDIC.---	INSIGNIF INDIC.---	SIGNIFICANT GEOMETRY OTHER		
RPV NUT 36-1-48A	SUR	1RPM-036	ACC				NO RECORDABLE INDICATIONS
	VOL	1RPU-086	0, 37, 45				NO RECORDABLE INDICATIONS
RPV NUT 36-1-54A	SUR	1RPM-036	ACC				NO RECORDABLE INDICATIONS
	VOL	1RPU-086	0, 37, 45				NO RECORDABLE INDICATIONS
RPV NUT 36-1-55A	SUR	1RPM-036	ACC				NO RECORDABLE INDICATIONS
	VOL	1RPU-086	0, 37, 45				NO RECORDABLE INDICATIONS
RPV NUT 36-1-61A	SUR	1RPM-036	ACC				NO RECORDABLE INDICATIONS
	VOL	1RPU-086	0, 37, 45				NO RECORDABLE INDICATIONS
RPV NUT 36-1-62A	SUR	1RPM-036	ACC				NO RECORDABLE INDICATIONS
	VOL	1RPU-086	0, 37, 45				NO RECORDABLE INDICATIONS
RPV NUT 36-1-68A	SUR	1RPM-036	ACC				NO RECORDABLE INDICATIONS
	VOL	1RPU-086	0, 37, 45				NO RECORDABLE INDICATIONS
RPV NUT 36-1-69A	SUR	1RPM-037	ACC				NO RECORDABLE INDICATIONS
	VOL	1RPU-086	0, 37, 45				NO RECORDABLE INDICATIONS
	SUR	1RPM-037	ACC				NO RECORDABLE INDICATIONS

NP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO, RPV-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RPV
DESCRIPTION: RPV STUDS, NUTS, ETC

PAGE 010
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO	INSIGNIF	SIGNIFICANT		
			INDIC.	INDIC.	GEOMETRY	OTHER	
RPV NUT 36-1-75A	VOL	1RPU-086	0, 37, 45				NO RECORDABLE INDICATIONS
	SUR	1RPM-037	ACC				NO RECORDABLE INDICATIONS
RPV NUT 36-1-76A	VOL	1RPU-086	0, 37, 45				NO RECORDABLE INDICATIONS
	SUR	1RPM-037	ACC				NO RECORDABLE INDICATIONS
RPV WASHERS	VT-1	1RPV-164	ACC				WASHERS WERE EXAMINED FOR THE FOLLOWING STUDS: 35-1-6A, -13A, -20A, -27A, -34A, -41A, 47A, -48A, -54A, -55A, -61A, -62A, -69A, -75A, -76A NO RECORDABLE INDICATIONS
JET PUMP BEAMS	VT-3	1RPV-165	ACC				NO RECORDABLE INDICATIONS
INCORE DRY TUBES	VT-1	1RPV-165	ACC				NO RECORDABLE INDICATIONS
CORE SPRAY SPARGERS	VT-1	1RPV-165	ACC				NO RECORDABLE INDICATIONS
FEELOWATER SPARGERS	VT-1	1RPV-165	ACC				NO RECORDABLE INDICATIONS
STEAM DRYER	VT-1	1RPV-165	ACC				NO RECORDABLE INDICATIONS
RPV INTERIOR	VT-3	1RPV-165	ACC				NO RECORDABLE INDICATIONS
RPV-PB-101(L)	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS

NP-02
INTERVAL
PERIOD: 03
OUTAGE: R7
DRAWING NO. RPV-102

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RPV
DESCRIPTION: TOP & BOTTOM HEAD

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. METHOD	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	
DH	VOL	1RPU-071	0				NO RECORDABLE INDICATIONS
		1RPU-077	60				NO RECORDABLE INDICATIONS
		1RPU-065	45				NO RECORDABLE INDICATIONS
DJ	VOL	1RPU-072	0				NO RECORDABLE INDICATIONS
		1RPU-078	60				NO RECORDABLE INDICATIONS
		1RPU-066	45				NO RECORDABLE INDICATIONS
DK	VOL	1RPU-067	45				NO RECORDABLE INDICATIONS
		1RPU-079	60				NO RECORDABLE INDICATIONS
		1RPU-073	0				NO RECORDABLE INDICATIONS
DM	VOL	1RPU-074	0				NO RECORDABLE INDICATIONS
		1RPU-080	60				NO RECORDABLE INDICATIONS
		1RPU-068	45				NO RECORDABLE INDICATIONS
DN	VOL	1RPU-081	60				NO RECORDABLE INDICATIONS
		1RPU-069	45				NO RECORDABLE INDICATIONS
		1RPU-075	0				NO RECORDABLE INDICATIONS

INF-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. RPV-102

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RPV
DESCRIPTION; TOP & BOTTOM HEAD

PAGE 002
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO. INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	
DP	VOL	1RPU-070		45			0-94" SPOT INDICATION 21% DAC
		1RPU-082	60				NO RECORDABLE INDICATIONS
		1RPU-076	0				NO RECORDABLE INDICATIONS

INP-02
INTERVAL
PERIOD: 03
OUTAGE: R7
DRAWING NO. RPV-102

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RPV
DESCRIPTION: TOP & Btm HD NOZZLES

PAGE 00
DATE 09/28/92

IDENT. NO.----- CRD	EXAM. SHEET NO.----- MIH.	EXAM. SHEET NO.-----	EXAMINATION RESULTS				REMARKS-----
			NO	INSIGNIF	SIGNIFICANT		
			INDIC.	INDIC.	GEOMETRY	OTHER	
CRD HOUSING BLT	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS
	VT-1	1RPV-147	ACC				NO RECORDABLE INDICATIONS VT-1 OF 240 WASHERS
CRD HOUSING 42-59 BLT	VT-1	1RPV-132		ACC			PSI ON REPLACEMENT BOLTS. SLIGHT TARNISH STAINS & VERY MINOR CORROSION SPOTS. NO MATERIAL LOSS
		1RPV-160			REJ		ISI 5 BOLTS HAD CORROSION PITTING ATTACK ALONG SHANK
CRD HOUSING 38-51 BLT	VT-1	1RPV-135		ACC			PSI ON REPLACEMENT BOLTS. SLIGHT TARNISH STAINS & VERY MINOR CORROSION SPOTS. NO MATERIAL LOSS
CRD HOUSING 42-51 BLT	VT-1	1RPV-133		ACC			PSI ON REPLACEMENT BOLTS. SLIGHT TARNISH STAINS & VERY MINOR CORROSION SPOTS. NO MATERIAL LOSS
CRD HOUSING 50-51 BLT	VT-1	1RPV-129	ACC				PSI OF BOLTS SLIGHT TARNISH STAINS & VERY MINOR CORROSION SPOTS. NO MATERIAL LOSS
CRD HOUSING 46-47 BLT	VT-1	1RPV-131	ACC				PSI ON REPLACEMENT BOLTS. SLIGHT TARNISH STAINS & VERY MINOR CORROSION SPOTS. NO MATERIAL LOSS

PNP-02
 INTERVAL: 01
 PERIOD: 03
 OUTAGE: R7
 DRAWING NO. RPV-102

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
 SYSTEM OR COMPONENT RPV
 DESCRIPTION: TOP & BTM HD NOZZLES

PAGE 004
 DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO	INSIGNIF	SIGNIFICANT		
			INDIC.	INDIC.	GEOMETRY	OTHER	
CRD HOUSING 46-43 BLT	VT-1	1RPV-130	ACC				PSI OF REPLACEMENT BOLTS. SLIGHT TARNISH STAINS & VERY MINOR CORROSION SPOTS. NO MATERIAL LOSS
CRD HOUSING 54-43 BLT	VT-1	1RPV-137		ACC			PSI OF REPLACEMENT BOLTS. SLIGHT TARNISH STAINS & VERY MINOR CORROSION SPOTS. NO MATERIAL LOSS
CRD HOUSING 58-43 BLT	VT-1	1RPV-136		ACC			PSI ON REPLACEMENT BOLTS. SLIGHT TARNISH STAINS & VERY MINOR CORROSION SPOTS. NO MATERIAL LOSS
CRD HOUSING 30-39 BLT	VT-1	1RPV-158	ACC				PSI NEW BOLTS
CRD HOUSING 34-39 BLT	VT-1	1RPV-152		ACC			PSI SLIGHT TARNISH STAINS AND VERY MINOR CORROSION SPOTS
CRD HOUSING 42-39 BLT	VT-1	1RPV-161		ACC			PSI ON REPLACEMENT BOLTS. SLIGHT TARNISH STAINS & VERY MINOR CORROSION SPOTS. NO MATERIAL LOSS
		1RPV-134		ACC			PSI ON REPLACEMENT BOLTS. SLIGHT TARNISH STAINS & VERY MINOR CORROSION SPOTS. NO MATERIAL LOSS
CRD HOUSING 50-39 BLT	VT-1	1RPV-141		ACC			PSI OF REPLACEMENT BOLTS. SLIGHT TARNISH STAINS & VERY MINOR CORROSION SPOTS. NO MATERIAL LOSS

LNP-02
INTERVAL
PERIOD: 05
OUTAGE: R7
DRAWING NO. RPV-102

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RPV
DESCRIPTION: TOP & BTM HD NOZZLES

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. DATA SHEET NO.	EXAM. SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT		
					GEOMETRY	OTHER	
CRD HOUSING 10-35 BLT	VT-1	1RPV-157	ACC				PSI NEW BOLTS
CRD HOUSING 14-35 BLT	VT-1	1RPV-155	ACC				PSI NEW BOLTS
CRD HOUSING 34-35 BLT	VT-1	1RPV-150		ACC			PSI SLIGHT TARNISH STAINS AND VERY MINOR CORROSION SPOTS
CRD HOUSING 46-35 BLT	VT-1	1RPV-142		ACC			PSI OF REPLACEMENT BOLTS. SLIGHT TARNISH STAINS & VERY MINOR CORROSION SPOTS. NO MATERIAL LOSS
CRD HOUSING 54-35 BLT	VT-1	1RPV-138		ACC			PSI OF REPLACEMENT BOLTS. SLIGHT TARNISH STAINS & VERY MINOR CORROSION SPOTS. NO MATERIAL LOSS
CRD HOUSING 26-31 BLT	VT-1	1RPV-159	ACC				PSI NEW BOLTS
CRD HOUSING 34-31 BLT	VT-1	1RPV-149		ACC			PSI SLIGHT TARNISH STAINS AND VERY MINOR CORROSION SPOTS
CRD HOUSING 50-31 BLT	VT-1	1RPV-140		ACC			PSI OF REPLACEMENT BOLTS. SLIGHT TARNISH STAINS & VERY MINOR CORROSION SPOTS. NO MATERIAL LOSS
CRD HOUSING 54-31 BLT	VT-1	1RPV-139		ACC			PSI OF REPLACEMENT BOLTS. SLIGHT TARNISH STAINS & VERY MINOR CORROSION SPOTS. NO MATERIAL LOSS
CRD HOUSING 22-27 BLT	VT-1	1RPV-156	ACC				PSI NEW BOLTS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO: RPV-102

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RPV
DESCRIPTION: TOP & BTM HD NOZZLES

PAGE 006
DATE 09/28/92

		EXAM, DATA SHEET	EXAMINATION RESULTS				REMARKS
IDENT..NO.	EXAM, MTH.	NO.	NO	INSIGNIF	SIGNIFICANT		
			INDIC.	INDIC.	GEOMETRY	OTHER	
CRD HOUSING 50-27 BLT	VT-1	1RPV-146		ACC			PSI OF REPLACEMENT BOLTS. SLIGHT TARNISH STAINS & VERY MINOR CORROSION SPOTS. NO MATERIAL LOSS
CRD HOUSING 46-23 BLT	VT-1	1RPV-148		ACC			PSI SLIGHT TARNISH STAINS AND VERY MINOR CORROSION SPOTS
CRD HOUSING 50-23 BLT	VT-1	1RPV-145		ACC			PSI OF REPLACEMENT BOLTS. SLIGHT TARNISH STAINS & VERY MINOR CORROSION SPOTS. NO MATERIAL LOSS
CRD HOUSING 42-15 BLT	VT-1	1RPV-153		ACC			PSI SLIGHT TARNISH STAINS AND VERY MINOR CORROSION SPOTS
CRD HOUSING 54-15 BLT	VT-1	1RPV-143		ACC			PSI OF REPLACEMENT BOLTS. SLIGHT TARNISH STAINS & VERY MINOR CORROSION SPOTS. NO MATERIAL LOSS
CRD HOUSING 10-11 BLT	VT-1	1RPV-154		ACC			PSI SLIGHT TARNISH STAINS AND VERY MINOR CORROSION SPOTS
CRD HOUSING 50-11 BLT	VT-1	1RPV-144		ACC			PSI OF REPLACEMENT BOLTS. SLIGHT TARNISH STAINS & VERY MINOR CORROSION SPOTS. NO MATERIAL LOSS
CRD HOUSING 34-07 BLT	VT-1	1RPV-151		ACC			PSI SLIGHT TARNISH STAINS AND VERY MINOR CORROSION SPOTS
RPV-PB-102(L)	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS

NP-02
INTERVAL
PERIOD: 03
OUTAGE: R7
DRAWING NO. RCIC-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RCIC(12)-4
DESCRIPTION: RCIC STEAM SUPPLY

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	
RCIC-V-63-BLT	VT-1	1RIY-009	ACC				NO RECORDABLE INDICATIONS
RCIC-74	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RCIC-1C-12	VT3H	1HV-0242	ACC				NO RECORDABLE INDICATIONS PSI OF REPLACEMENT STRUT
RCIC-1C-16	VT3H	1HV-0244	ACC				NO RECORDABLE INDICATIONS PSI OF REPLACEMENT STRUT
RCIC-1C-7	VT3H	1HV-0241	ACC				NO RECORDABLE INDICATIONS PSI OF REPLACEMENT STRUT
RCIC-1C-5	VT3H	1HV-0240	ACC				NO RECORDABLE INDICATIONS PSI OF REPLACEMENT STRUT
RCIC-1C-13	VT3H	1HV-0243	ACC				NO RECORDABLE INDICATIONS PSI OF REPLACEMENT STRUT
RCIC-1C-2	VT3H	1HV-0238	ACC				NO RECORDABLE INDICATIONS PSI OF REPLACEMENT STRUT
RCIC-1C-1	VT3H	1HV-0239	ACC				NO RECORDABLE INDICATIONS PSI OF REPLACEMENT STRUT
RCIC-PB-101(L)	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS

NP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. RCIC-102

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RCIC(1)-4
DESCRIPTION: RPV HEAD SPRAY

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
RCIC-V-65-BDY	VT-3	1RIV-010	ACC				NO RECORDABLE INDICATIONS
RCIC-PB-102(L)	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS

NP-02
INTERVAL
PERIOD: 05
CUTAGE: R7
DRAWING NO. RCIC-203

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RCIC(17)-1
DESCRIPTION: RCIC TURBINE EXHAUST

PAGE 00
DATE 09/28/92

IDENT. NO.-----	EXAM. DATA SHEET MTH. NO.-----	EXAMINATION RESULTS-----				REMARKS-----
		NO INDIC.---	INSIGNIF INDIC.---	SIGNIFICANT GEOMETRY OTHER---		
RCIC-30	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
RCIC-28	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
RCIC-971N	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
RCIC-4	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
RCIC-5	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
RCIC-6	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
RCIC-7	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
RCIC-25	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
RCIC-23	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
RCIC-24	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
RCIC-26	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
RCIC-27	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS

AMP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. RCIC-205

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT: RCIC(1)-4
DESCRIPTION: RCIC PUMP DISCHARGE

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. METHOD	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO. INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	
6RCIC(1)-54	VOL	1RIU-045		45			0-180 DEG 80% DAC ID GEOM
		1RIU-048	44				NO RECORDABLE INDICATIONS SCAN SURFACE 1&2 DIRECTION C&D
6RCIC(1)-54/2(3)-4	SUR	1RIM-031	ACC				NO RECORDABLE INDICATIONS
	SUR	1RIM-031	ACC				NO RECORDABLE INDICATIONS
6RCIC(1)-65	VOL	1RIU-046	45				NO RECORDABLE INDICATIONS
		1RIU-049	44				NO RECORDABLE INDICATIONS SCAN SURFACES 1&2 DIRECTION C&D
6RCIC(6)-1	SUR	1RIM-032	ACC				NO RECORDABLE INDICATIONS
	SUR	1RIM-028	ACC				NO RECORDABLE INDICATIONS
6RCIC(6)-2	VOL	1RIU-044	45				NO RECORDABLE INDICATIONS
		1RIU-050	44				NO RECORDABLE INDICATIONS SCAN SURFACE 1&2 DIRECTION C&D
RCIC-8	SUR	1RIM-029	ACC				NO RECORDABLE INDICATIONS
	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
6RCIC(1)-72	VOL	1RIU-047		45			0-180 DEG 125% DAC L=5.75, W=1.075 ID GEOMETRY

NP-02
INTERVAL
PERIOD: 03
OUTAGE: R7
DRAWING NO. RCIC-205

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RCIC(1)-4
DESCRIPTION: RCIC PUMP DISCHARGE

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
		1RIU-051	44				NO RECORDABLE INDICATIONS SCAN SURFACE 1&2 DIRECTION C&D
RCIC-19	SUR	1RIM-030	ACC				NO RECORDABLE INDICATIONS
RCIC-20	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RCIC-956N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RCIC-21	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO: HPCS-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT HPCS(1)-4
DESCRIPTION: HIGH PRES CORE SPRAY

PAGE 001
DATE 09/28/92

IDENT. NO.-----	EXAM. MTH.-----	EXAM. DATA SHEET NO.-----	EXAMINATION RESULTS-----				REMARKS-----
			NO INDIC.---	INSIGNIF INDIC.---	SIGNIFICANT GEOMETRY OTHER---		
HPCS-42	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
HPCS-907N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
HPCS-911N	VT3H	1HV-0245	ACC				NO RECORDABLE INDICATIONS PSI OF REPLACEMENT STRUT
HPCS-908N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
HPCS-906N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
HPCS-66(W)	SUR	1HPM-009	ACC				NO RECORDABLE INDICATIONS DUE TO PROXIMITY OF CLAMP THIS WAS A THREE SIDED EXAM
12HPCS(1)-19	VOL	R-R7-57		45			45 SHEAR RECORDED ROOT AND COUNTERBORE GEOMETRY
	SUR	1HPM-012	ACC				NO RECORDABLE INDICATIONS
10HPCS(1)-1	VOL	R-R7-58		45			45 SHEAR RECORDED ROOT AND COUNTERBORE GEOMETRY
	SUR	1HPM-012	ACC				NO RECORDABLE INDICATIONS
10HPCS(1)-2	VOL	R-R7-59		45			45 SHEAR RECORDED ROOT GEOMETRY
	SUR	1HPM-012	ACC				NO RECORDABLE INDICATIONS

INP-02
INTERVAL
PERIOD: 03
OUTAGE: R7
DRAWING NO. HPCS-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT HPCS(1)-4
DESCRIPTION: HIGH PRES CORE SPRAY

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. METHOD	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	
10HPCS(1)-3	VOL	R-R7-43		45,60			OPTIMUM SEARCH UNIT CONTACT NOT ACHIEVED ON DWNSTRM SIDE WELD TO *W* OF 1.3" DUE TO SAFE END TAPER
10HPCS(1)-4	SUR	1HPP-007	ACC				NO RECORDABLE INDICATIONS
	VOL	R-R7-42		45,60			DWNSTRM EXAM LIMITED TO *W* OF 1.15" FROM WCL DUE TO NOZZLE CONFIGURATION SEE NOTE 1
HPCS-PB-101(L)	SUR	1HPP-007	ACC				NO RECORDABLE INDICATIONS
	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS CONDENSATION DROPS ON INSULATION

NP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. HPCS-202

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT HPCS(9)-4
DESCRIPTION: HPCS-P-1 DISCHARGE

PAGE 001
DATE 09/28/92

IDENT..NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
12HPCS(3)-1A	VOL	1HPU-016	45				NO RECORDABLE INDICATIONS PSI OF NEW WELD SEC XI 2-0731 LIMITED EXAM DUE TO CONFIGURATION SEE NOTE 1
		1HPU-019	44				NO RECORDABLE INDICATIONS SCAN SURFACE 1&2 DIRECTION C&D NO EXAM PERFORMED ON TAPER SIDE OF FLANGE. SEE NOTE 1
	SUR	1HPM-010	ACC				PSI OF NEW WELD SEC XI 2-0731 NO RECORDABLE INDICATIONS
12HPCS(3)-1B	VOL	1HPU-013	45				NO RECORDABLE INDICATIONS PSI FOR REPAIR PLAN 2-0731
		1HPU-019	44				NO RECORDABLE INDICATIONS SCAN SURFACE 1&2 DIRECTION C&D NO EXAM FLANGE TAPER SIDE. SEE NOTE 1
	SUR	1HPM-007	ACC				PSI OF NEW WELDS SEC XI 2-0731 NO RECORDABLE INDICATIONS
12HPCS(3)-1C	VOL	1HPU-014	45				NO RECORDABLE INDICATIONS

VNP-02
INTERVAL
PERIOD: 03
OUTAGE: R7
DRAWING NO. HPCS-202

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT HPCS(9)-4
DESCRIPTION: HPCS-P-1 DISCHARGE

PAGE 002
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO.	INSIGNIF	SIGNIFICANT		
			INDIC.	INDIC.	GEOMETRY	OTHER	
12HPCS(3)-3A		1HPU-019	44				NO RECORDABLE INDICATIONS SCAN SURFACE 1&2 DIRECTION C&D NO SCAN FLANGE TAPER SIDE SEE NOTE 1
	SUR	1HPM-007	ACC				PSI OF NEW WELD SEC XI 2-0731 NO RECORDABLE INDICATIONS
	VOL	1HPU-017	45				NO RECORDABLE INDICATIONS PSI ON NEW WELD SEC XI 2-0731
16HPCS(1)-42		1HPU-019	44				NO RECORDABLE INDICATIONS SCAN SURFACE 1&2 DIRECTION C&D NO SCAN FLANGE TAPER SIDE SEE NOTE 1
	SUR	1HPM-011	ACC				PSI OF NEW WELD SEC XI 2-0731 NO RECORDABLE INDICATIONS
	VOL	1HPU-015	45				270-360 DEG 125% DAC L=7, W=2 ID GEOMETRY
HPCS-905N		1HPU-018	45				NO RECORDABLE INDICATIONS SCAN SURFACE 1&2 DIRECTION C&D
	SUR	1HPM-008	ACC				NO RECORDABLE INDICATIONS
	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. HPCS-202

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT HPCS(1)-4
DESCRIPTION: HPCS-P-1 DISCHARGE

PAGE 003
DATE 09/28/92

IDENT. NO.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS	
		NO INDIC.	INSIGNIF.	SIGNIFICANT	GEOMETRY OTHER		
HPCS-924N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL
PERIOD: 03
OUTAGE: R7
DRAWING NO, LPCS-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT LPCS(1)-4
DESCRIPTION: LOW PRES CORE SPRAY

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. METHOD	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	
12LPCS(1)-1	VOL	1LPU-027	44				NO RECORDABLE INDICATIONS
		1LPU-030	45				NO RECORDABLE INDICATIONS SCAN SURFACE 1 DIRECTION C&D NO SCAN SURFACE 2 DUE TO VALVE CONFIGURATION. SEE NOTE 1
LPCS-28 12LPCS(1)-2	SUR	1LPP-017	ACC				NO RECORDABLE INDICATIONS
	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
	VOL	1LPU-028			44		130% DAC W=0, W=1.3 ID GEOM
		1LPU-030	45				NO RECORDABLE INDICATIONS SCAN SURFACE 1&2 DIRECTION C&D
LPCS-13(W) 10LPCS(1)-4	SUR	1LPP-017	ACC				NO RECORDABLE INDICATIONS
	SUR	1LPM-018	ACC				NO RECORDABLE INDICATIONS
	VOL	R-R7-46	60	45			45 RL RECORDED INSIDE SURFACE GEOMETRY DWNSTRM EXAMS LIMITED TO 'W' OF 1.25" FROM WCL DUE TO NOZZLE CONFIGURATION SEE NOTE 1
LPCS-PB-101(L)	SUR	1LPP-016	ACC				NO RECORDABLE INDICATIONS
	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS

INP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO: LPCS-201

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT LPCS(2)-1
DESCRIPTION: LPCS-P-1 SUCTION

PAGE 001
DATE 09/28/92

IDENT..NO.-----	EXAM. MTH.	EXAM. DATA SHEET NO.-----	EXAMINATION RESULTS-----				REMARKS-----
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
LPCS-900N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
24LPCS(2)-8	VOL	1LPU-026		45			55% DAC L=5 W=1.3
		1LPU-031	43				NO RECCORDABLE INDICATIONS
	SUR	1LPM-016				REJ	315-0 DEG LINEAR 1/32 X 1/2 270-0 DEG LINEAR 1/32 X 0.4 270-0 LINEAR 1/32 X 1.9 ACC BY UT DATA SHEET 1LPU-026
LPCS-3	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
LPCS-2	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
LPCS-902N	VT3H	1HV-0223				REJ	SPRING CAN ALIGNMENT OFF APPROX 5 DEGREE. EVALUATED AS ACCEPTABLE LOAD COLUMN STRAIGHTENED.
LPCS-1	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
24LPCS(2)-16	VOL	1LPU-029	45				NO RECORDABLE INDICATIONS
		1LPU-031	43				NO RECORDABLE INDICATIONS
	SUR	1LPM-017	ACC				NO RECORDABLE INDICATIONS

INP-02
INTERVAL
PERIOD: 05
OUTAGE: R7
DRAWING NO. RHR-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RHR(1)-4
DESCRIPTION: RHR/LPCI LOOP "A"

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. METHOD	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	
RHR-231	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
12LPCI(1)A-6	VOL	R-R7-54		45			DWNSTRM EXAMS LIMITED TO "W" OF 0.9" FROM WCL DUE TO NOZZLE CONFIGURATION SEE NOTE 1
RHR-PB-101(L)	SUR	1RHP-065	ACC				NO RECORDABLE INDICATIONS
	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS

INP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. RHR-102

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RHR(1)-4
DESCRIPTION: RHR/LPCI LOOP "B"

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO	INSIGNIF	SIGNIFICANT		
			INDIC.	INDIC.	GEOMETRY	OTHER	
RHR-907N							
RHR-482	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-483	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-523	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-388	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-522	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-389	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
12LPCI(1)B-5	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
	VOL	R-R7-53		45			45 SHEAR RECORDED ROOT GEOMETRY
12LPCI(1)B-6	SUR	1RHP-066	ACC				NO RECORDABLE INDICATIONS
	VOL	R-R7-52		45,60			DWNSTRM EXAMS LIMITED TO "W" OF 1.2" FROM WCL DUE TO NOZZLE CONFIGURATION SEE NOTE 1
RHR-PB-102(L)	SUR	1RHP-066	ACC				NO RECORDABLE INDICATIONS
	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS

INP-02
INTERVAL
PERIOD: 05
CUTAGE: R7
DRAWING NO. RHR-103

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RHR(1)-4
DESCRIPTION: RHR SHUTDN COOL SUCT

PAGE 00
DATE 09/28/92

IDENT. NO. _____	EXAM. MTH. _____	EXAM. DATA SHEET NO. _____	EXAMINATION RESULTS _____				REMARKS _____
			NO. INDIC. _____	INSIGNIF INDIC. _____	SIGNIFICANT GEOMETRY OTHER _____		
RHR-87	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-1017N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-526	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-286	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-V-41C-BDY	VT-3	1RHY-028	ACC				NO RECORDABLE INDICATIONS
RHR-525	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
12LPCI(1)C-5	VOL	R-R7-51		45			45 SHEAR RECORDED ROOT GEOMETRY
12LPCI(1)C-6	SUR	1RHP-064	ACC				NO RECORDABLE INDICATIONS
	VOL	R-R7-50		45,60			DWNSTRM EXAMS LIMITED TO "W" OF 1.6" FROM WCL DUE TO NOZZLE CONFIGURATION SEE NOTE 1
RHR-PB-103(L)	SUR	1RHP-064	ACC				NO RECORDABLE INDICATIONS
	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS

HP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. RHR-104

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RHR(2)-4
DESCRIPTION: RHR SHUTDN COOL SUCT

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. DATA SHEET	EXAM. NO.	EXAMINATION RESULTS		REMARKS
			NO. INDIC.	SIGNIFICANT GEOMETRY OTHER	
RHR-SA-53	VT3H	1HV-0214	ACC		NO RECORDABLE INDICATIONS
RHR-425	VT3H	1HV-0215		ACC	SPRING SETTING LESS THAN 10% OF REQUIRED COLD SETTING. ENGINEERING ANALYSIS FOUND THE SETTING TO BE ACCEPTABLE. MEMO SS2-PE-92-0508
RHR-SA-55	VT3H	1HV-0214	ACC		NO RECORDABLE INDICATIONS
RHR-SA-57	VT3H	1HV-0214	ACC		NO RECORDABLE INDICATIONS
RHR-428	VT3H	1HV-0214	ACC		NO RECORDABLE INDICATIONS
RHR-SA-56	VT3H	1HV-0214	ACC		NO RECORDABLE INDICATIONS
RHR-SA-58	VT3H	1HV-0214	ACC		NO RECORDABLE INDICATIONS
RHR-PB-104(L)	VT-2	1VT2-92	ACC		NO RECORDABLE INDICATIONS

INP-02
INTERVAL
PERIOD: 05
CUTAGE: R7
DRAWING NO. RHR-105

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RHR(1)-4S
DESCRIPTION: SHUTDN COOL RET LP-A

PAGE 00
DATE 09/28/92

IDENT. NO. RHR-PB-105(L)	EXAM. DATA SHEET NO.	EXAM. MTH. NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS

DWP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. RHR-106

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RHR(1)-4
DESCRIPTION: SHUTDN COOL RET LP-B

PAGE 001
DATE 09/28/92

EXAM.
DATA
SHEET

EXAMINATION RESULTS

<u>IDENT. NO.</u>	<u>EXAM. MTH.</u>	<u>EXAM. SHEET NO.</u>	<u>NO INDIC.</u>	<u>INSIGNIF INDIC.</u>	<u>SIGNIFICANT GEOMETRY OTHER</u>	<u>REMARKS</u>
RHR-514	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
RHR-SB-38	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
RHR-SB-37	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
RHR-SB-35	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
RHR-SB-36	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
RHR-V-50B-BDY	VT-3	1RHV-027	ACC			NO RECORDABLE INDICATIONS
RHR-SB-32	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
RHR-SB-33	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
RHR-518	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
RHR-PB-106(L)	VT-2	1VT2-92	ACC			NO RECORDABLE INDICATIONS

NP-02
INTERVAL
PERIOD: 05
CUTAGE: R7
DRAWING NO. RHR-201

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RHR(1)-2
DESCRIPTION: SIM SPLY TO RHR HX1A

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. DATA SHEET MTH. NO.	EXAMINATION RESULTS				REMARKS
		NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY OTHER		
12RHR(1)A-3A	VOL	1RHU-089	45			NO RECORDABLE INDICATIONS
		1RHU-096	44			NO RECORDABLE INDICATIONS SCAN SURFACES 1&2 DIRECTION C&D
	SUR	1RHM-045	ACC			NO RECORDABLE INDICATIONS

LNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. RHR-202

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT 16RHR(5)-2
DESCRIPTION: DRYWELL SPRAY SUP*AW

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. METHOD	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	
RHR-248	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
16RHR(5) A-3	VOL	1RHU-092		45			56% DAC L=9.75 W=1.55
		1RHU-098	45				NO RECORDABLE INDICATIONS SCAN SURFACE 1&2 DIRECTIONS C&D
	SUR	1RHM-048	ACC				NO RECORDABLE INDICATIONS
RHR-252	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-958N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
16RHR(5) A-10	VOL	1RHU-093		45			80% DAC L= 9 W=1.35
		1RHU-097	45				NO RECORDABLE INDICATIONS SCAN SURFACE 1 DIRECTION C&D NO SCAN SURFACE 2 DUE TO VALVE CONFIGURATION. SEE NOTE 1
	SUR	1RHM-047	ACC				NO RECORDABLE INDICATIONS
RHR-256	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-257	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS

HP-02
INTERVAL
PERIOD: 05
OUTAGE: R7
DRAWING NO. RHR-203

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT 18RHR(4)-2
DESCRIPTION: RHR TEST LINE LOOP A

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	
RHR-262							
RHR-407	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-409	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-410	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-411	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
18RHR(4) A-23	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
	VOL	1RHU-087	45				NO RECORDABLE INDICATIONS
		1RHU-095	45				NO RECORDABLE INDICATIONS SCAN SURFACES 1&2 DIRECTION C&D SCAN 2 LIMITED AT 90 DEG DUE TO HANGER PLATE SEE NOTE 1
RHR-412	SUR	1RHM-044	ACC				NO RECORDABLE INDICATIONS
RHR-414	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-415	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-416	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
18RHR(4) A-25	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
	VOL	1RHU-088	45				NO RECORDABLE INDICATIONS

LNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. RHR-203

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT 18RHR(4)-2
DESCRIPTION: RHR TEST LINE LOOP A

PAGE 002
DATE 09/28/92

EXAM.

DATA

EXAMINATION RESULTS

SHEET

NO

INSIGNIF

SIGNIFICANT

NO.

INDIC.

INDIC.

GEOMETRY OTHER

REMARKS

IDENT. NO.

EXAM.
MTH.

1RHU-095

45

NO RECORDABLE INDICATIONS
SCAN SURFACE 1&2 DIRECTION C&D
SCAN 2 LIMITED AT 90 DEG DUE TO
HANGER PLATE SEE NOTE 1

RHR-420

SUR

1RHM-044

ACC

NO RECORDABLE INDICATIONS

RHR-417

VT3H

1HV-0214

ACC

NO RECORDABLE INDICATIONS

RHR-150

VT3H

1HV-0214

ACC

NO RECORDABLE INDICATIONS

VT3H

1HV-0214

ACC

NO RECORDABLE INDICATIONS

1HV-0214

ACC

NO RECORDABLE INDICATIONS

RHR-952N

VT3H

1HV-0214

ACC

NO RECORDABLE INDICATIONS

RHR-977N

VT3H

1HV-0214

ACC

NO RECORDABLE INDICATIONS

RHR-986N

VT3H

1HV-0214

ACC

NO RECORDABLE INDICATIONS

RHR-946N

VT3H

1HV-0214

ACC

NO RECORDABLE INDICATIONS

WIP-02
INTERVAL
PERIOD: 03
GUTAGE: R7
DRAWING NO. RHR-204

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT 18RHR(2012
DESCRIPTION: RCIC STM-RHR HX-1A

PAGE 00
DATE 09/28/92

EXAM.

DATA

SHEET

NO.

NO.

EXAMINATION RESULTS

NO

INSIGNIF

SIGNIFICANT

INDIC.

INDIC.

GEOMETRY OTHER

REMARKS

IDENT. NO.
RHR-984N

EXAM.

MTN.

VT3H

1HV-0214

ACC

NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. RHR-205

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT 20RHR(2)-2
DESCRIPTION: RHR SHUTDOWN COOL SUCT

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. METHOD	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	
RHR-66	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
20RHR(2) A-11/10RHR(2)-2	SUR	1RHM-043	ACC				NO RECORDABLE INDICATIONS
RHR-59	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-61	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-62	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-60	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-166	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
18RHR(2) A-1	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
	VOL	1RHU-090		45			80% DAC L=49.5 W= 0.4 ROOT GEOMETRY
		1RHU-094	45				NO RECORDABLE INDICATIONS SCAN SURFACE 1&2 DIRECTION C&D
18RHR(2) A-2	SUR	1RHM-046	ACC				NO RECORDABLE INDICATIONS
	VOL	1RHU-091	45				NO RECORDABLE INDICATIONS
		1RHU-094	45				NO RECORDABLE INDICATIONS SCAN SURFACES 1&2 DIRECTION C&D
	SUR	1RHM-046	ACC				NO RECORDABLE INDICATIONS

HP-02
INTERVAL
PERIOD: 05
OUTAGE: R7
DRAWING NO. RHR-207

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RHR(1)2
DESCRIPTION: LOOP B SPLY-RHR HX1B

PAGE 001
DATE 09/28/92

IDENT. NO.-----	EXAM. MTH.-----	EXAM. DATA SHEET NO.-----	EXAMINATION RESULTS-----				REMARKS-----
			NO INDIC.---	INSIGNIF INDIC.---	SIGNIFICANT GEOMETRY OTHER---		
RHR-920N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-924N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-921H	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-901N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-912N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-218	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-915H	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-902N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-184	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RHR-181	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS

BNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. MS-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT MS(1)-4
DESCRIPTION: MAIN STEAM LINE A

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
8MSR-3A-2BD	VT-1	1MSV-140	ACC				NO RECORDABLE INDICATIONS
MS-RV-3A-BLT	VT-1	1MSV-141	ACC				NO RECORDABLE INDICATIONS
8MSR-2A-2BD	VT-1	1MSV-142	ACC				NO RECORDABLE INDICATIONS
MS-RV-2A-BLT	VT-1	1MSV-139	ACC				NO RECORDABLE INDICATIONS
26MS(1)A-8	VOL	1MSU-064	45				NO RECORDABLE INDICATIONS
		1MSU-067	45				NO RECORDABLE INDICATIONS SCAN ON SURFACE 1&2 DIRECTIONS C&D
26MS(1)A-8LDI	SUR	1MSM-034	ACC				NO RECORDABLE INDICATIONS
	VOL	1MSU-064	45				NO RECORDABLE INDICATIONS
		1MSU-067	45				NO RECORDABLE INDICATIONS SCAN SURFACE 1&2 DIRECTION A&B
26MS(1)A-8LDO	SUR	1MSM-034	ACC				NO RECORDABLE INDICATIONS
	VOL	1MSU-064	45				NO RECORDABLE INDICATIONS
		1MSU-067	45				NO RECORDABLE INDICATIONS SCAN SURFACE 1&2 DIRECTION A&B
	SUR	1MSM-034	ACC				NO RECORDABLE INDICATIONS

UNP-02
INTERVAL
PERIOD: 05
OUTAGE: R7
DRAWING NO. MS-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT MS(1)-4
DESCRIPTION: MAIN STEAM LINE A

PAGE 00
DATE 09/28/92

EXAM.
DATA

SHEET

NO.

VT-2 1VT2-92

EXAMINATION RESULTS

NO

INSIGNIF

SIGNIFICANT

INDIC.

INDIC.

GEOMETRY OTHER

REMARKS

ACC

NO RECORDABLE INDICATIONS

IDENT. NO.
MS-PB-101(L)

EXAM.
MTH.

VT-2

NP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. MS-102

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT MS(1)-4
DESCRIPTION: MAIN STEAM LINE B

PAGE 001
DATE 09/28/92

IDENT..NO.-----	EXAM. MTH.	EXAM. DATA SHEET NO.-----	EXAMINATION RESULTS-----				REMARKS-----
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY OTHER		
MS-SB-7	VT3H	1HV-0228	ACC				NO RECORDABLE INDICATIONS PSI OF REPLACEMENT STRUT
8MSR-2B-2BD	VT-1	1MSV-130	ACC				NO RECORDABLE INDICATIONS
MS-RV-2B-BLT	VT-1	1MSV-131	ACC				NO RECORDABLE INDICATIONS
MS-RV-1B-BLT	VT-1	1MSV-135	ACC				NO RECORDABLE INDICATIONS
MS-SB-9	VT3H	1HV-0229	ACC				NO RECORDABLE INDICATIONS PSI OF REPLACEMENT STRUT
MS-SB-3	VT3H	1HV-0227	ACC				NO RECORDABLE INDICATIONS PSI OF NEW STRUT INSTALLED AT R7.
MS-SB-1	VT3H	1HV-0225	ACC				NO RECORDABLE INDICATIONS PSI OF NEW STRUT INSTALLED AT R7.
MS-SB-2	VT3H	1HV-0226	ACC				NO RECORDABLE INDICATIONS PSI OF NEW STRUT INSTALLED AT R7.
MS-PB-102(L)	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS

RF-02
INTERVAL
PERIOD: 03
OUTAGE: 87
DRAWING NO. MS-103

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT MS(1)-4
DESCRIPTION: MAIN STEAM LINE C

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
8MSR-3C-2BD	VT-1	1MSV-129	ACC				NO RECORDABLE INDICATIONS
MS-RV-3C-BLT	VT-1	1MSV-128	ACC				NO RECORDABLE INDICATIONS
8MSR-2C-2BD	VT-1	1MSV-137	ACC				NO RECORDABLE INDICATIONS
MS-RV-2C-BLT	VT-1	1MSV-134	ACC				NO RECORDABLE INDICATIONS
8MSR-1C-2BD	VT-1	1MSV-133	ACC				NO RECORDABLE INDICATIONS
MS-RV-1C-BLT	VT-1	1MSV-132	ACC				NO RECORDABLE INDICATIONS
MS-SC-4	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MS-SC-1	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MS-SC-2	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MS FLUED HEAD C	SUR	1MSM-031	ACC				NO RECORDABLE INDICATIONS
MS-PB-103(L)	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS

JNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. MS-104

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT MS(1)-4
DESCRIPTION: MAIN STEAM LINE D

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
26MS(1)D-6	VOL	1MSU-063	45				NO RECORDABLE INDICATIONS
		1MSU-066	45				NO RECORDABLE INDICATIONS SCAN SURFACE 1&2 DIRECTION A&B
26MS(1)D-6LDI	SUR	1MSM-035	ACC				NO RECORDABLE INDICATIONS
	VOL	1MSU-063	45				NO RECORDABLE INDICATIONS
		1MSU-066	45				NO RECORDABLE INDICATIONS SCAN SURFACES 1&2 DIRECTION C&D
26MS(1)D-6LDO	SUR	1MSM-035	ACC				NO RECORDABLE INDICATIONS
	VOL	1MSU-063	45				NO RECORDABLE INDICATIONS
		1MSU-066	45				NO RECORDABLE INDICATIONS SCAN SURFACE 1&2 DIRECTION C&D
26MS(1)D-7LUI	SUR	1MSM-035	ACC				NO RECORDABLE INDICATIONS
	VOL	1MSU-063	45				NO RECORDABLE INDICATIONS
		1MSU-066	45				NO RECORDABLE INDICATIONS SCANS SURFACES 1&2 DIRECTION C&D
26MS(1)D-7LUO	SUR	1MSM-035	ACC				NO RECORDABLE INDICATIONS
	VOL	1MSU-063	45				NO RECORDABLE INDICATIONS

NP-02
INTERVAL
PERIOD: 03
OUTAGE: R7
DRAWING NO. MS-104

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT MS(1)-4
DESCRIPTION: MAIN STEAM LINE D

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMEIRY OTHER		
26MS(1)D-7		1MSU-066	45				NO RECORDABLE INDICATIONS SCANS SURFACE 1&2 DIRECTION C&D
	SUR	1MSH-035	ACC				NO RECORDABLE INDICATIONS
	VOL	1MSU-063	45				NO RECORDABLE INDICATIONS
		1MSU-066	45				NO RECORDABLE INDICATIONS SCANS SURFACE 1&2 DIRECTION A&B
8MSR-2D-2BD	SUR	1MSH-035	ACC				NO RECORDABLE INDICATIONS
MS-RV-2D-BLT	VT-1	1MSV-126	ACC				NO RECORDABLE INDICATIONS
8MSR-1D-2BD	VT-1	1MSV-127	ACC				NO RECORDABLE INDICATIONS
MS-RV-1D-BLT	VT-1	1MSV-136	ACC				NO RECORDABLE INDICATIONS
MS-PB-104(L)	VT-1	1MSV-138	ACC				NO RECORDABLE INDICATIONS
	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS

JNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. MS-105

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT MS(9)-4
DESCRIPTION: MS VALVE DRAINS

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. METHOD	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	
MS-1368-13	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MS-1368-12	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MS-1368-11	VT3H	1HV-0224	ACC				NO RECORDABLE INDICATIONS
MS-1369-13	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MS-1369-12	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MS-1369-11	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MS-PB-105(L)	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS

NP-02
INTERVAL
PERIOD: 05
OUTAGE: R7
DRAWING NO. MS-106

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT MS(12)-4
DESCRIPTION: MS RX VES HEAD VENT

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	
4MS(12)-1	VOL	1MSU-061	45				NO RECORDABLE INDICATIONS
		1MSU-065	45				NO RECORDABLE INDICATIONS SCANS ON SURFACES 1&2 BEAM DIRECTIONS C&D
4MS(12)-1BD	SUR	1MSM-032	ACC				NO RECORDABLE INDICATIONS
	VT-1	1MSV-143				REJ	BOLTS DAMAGED DURING REMOVAL
		1MSV-144	ACC				NO RECORDABLE INDICATIONS PSI OF NEW BOLTS
4MS(12)-2	VOL	1MSU-062	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-033	ACC				NO RECORDABLE INDICATIONS
MS-PB-106(L)	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS

GNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. MS-202

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT 2MS(20)-4
DESCRIPTION: MS PRESS STAB. LINE

PAGE 001
DATE 09/28/92

IDENT. NO. _____	EXAM. MTH. _____	EXAM. DATA SHEET	EXAMINATION RESULTS				REMARKS _____
		NO. _____	INSIGNIF		SIGNIFICANT		
			INDIC. _____	INDIC. _____	GEOMETRY	OTHER _____	
2MS(20)B-1	SUR	1MSM-029	ACC				NO RECORDABLE INDICATIONS
2MS(20)B-2	SUR	1MSM-029	ACC				NO RECORDABLE INDICATIONS
2MS(20)B-6	SUR	1MSM-029	ACC				NO RECORDABLE INDICATIONS
2MS(20)B-7	SUR	1MSM-029	ACC				NO RECORDABLE INDICATIONS

NP-02
INTERVAL
PERIOD: 05
CUTAGE: R7
DRAWING NO. MS-203

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT 2MS(20)-4
DESCRIPTION: MS PRESS STAB. LINE

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS			REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY OTHER	
2MS(20)C-7	SUR	1MSM-030	ACC			NO RECORDABLE INDICATIONS
2MS(20)C-8	SUR	1MSM-030	ACC			NO RECORDABLE INDICATIONS
2MS(20)C-9	SUR	1MSM-030	ACC			NO RECORDABLE INDICATIONS

NP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. MS-204

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT 2MS(20)-4
DESCRIPTION: MS PRESS STAB. LINE

PAGE 001
DATE 09/28/92

IDENT. NO.-----	EXAM. MTH.	EXAM. DATA SHEET NO.-----	EXAMINATION RESULTS-----				REMARKS-----
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY OTHER		
2MS(20)D-5	SUR	1MSM-028	ACC				NO RECORDABLE INDICATIONS
2MS(20)D-6	SUR	1MSM-028	ACC				NO RECORDABLE INDICATIONS
2MS(20)D-7	SUR	1MSM-028	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL
PERIOD: 0
OUTAGE: R7
DRAWING NO. MS-206

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT 3MS(20)-4
DESCRIPTION: MS PRESS STAB. LINE

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS		REMARKS
			NO. INDIC.	INSIGNIF. SIGNIFICANT GEOMETRY OTHER	
3MS(20)-1	VOL	1MSU-057	45		ID GEO (ROOT) AT 360 DEG INTERMITTENT WITH MAX AMP 50%
		1MSU-068	45		NO RECORDABLE INDICATIONS SCAN SURFACE 1 DIRECTION C&D NO SCAN 2 VALVE CONFIG. LIMITED EXAM DUE TO MS-954N
3MS(20)-2	VOL	1MSU-058	45		NO RECORDABLE INDICATIONS
		1MSU-069	45		NO RECORDABLE INDICATIONS SCAN SURFACE 1&2 DIRECTION C&D LIMITED EXAM DUE TO MS-954N
3MS(20)-3	VOL	1MSU-059	45		ID GEO (ROOT) AT 360 INTERMITTENT WITH MAX AMP 90%
		1MSU-070	45		NO RECORDABLE INDICATIONS SCAN SURFACES 1&2 DIRECTION C&D
MS-256	YT3H	1HV-0214	ACC		NO RECORDABLE INDICATIONS
3MS(20)-4	VOL	1MSU-060	45		NO RECORDABLE INDICATIONS
		1MSU-071	45		NO RECORDABLE INDICATIONS SCAN SURFACE 1&2 DIRECTION C&D LIMITED SCAN SURFACE 2 DUE TO MS-256

LNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. RFW-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RFW(1)-4
DESCRIPTION: RX FEEDWATER LINE A

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY OTHER		
RFW-148	YT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
RFW-157	YT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
12RFW(1)AC-11	VOL	R-R7-49		45			45 SHEAR RECORDED ROOT AND INSIDE SURFACE GEOMETRY
12RFW(1)AC-13	SUR	1FWP-065	ACC				NO RECORDABLE INDICATIONS
	VOL	R-R7-48	60	45			45 RL AND SHEAR RECORDED ROOT AND INSIDE SURFACE GEOMETRY DWNSTRM EXAM LIMITED TO 1" W OF 1.5" FROM WCL DUE TO NOZZLE CONFIG SEE NOTE 1
12RFW(1)AB-11	VOL	R-R7-47	60	45			45 RL AND SHEAR RECORDED ROOT AND INSIDE GEOMETRY DWNSTRM EXAM LIMITED TO A 1" W OF 1.1" DUE TO NOZZLE CONFIGURATION SEE NOTE 1
12RFW(1)AA-11	SUR	1FWP-066	ACC				NO RECORDABLE INDICATIONS
	VOL	R-R7-45	60	45			45 RL AND SHEAR RECORDED ROOT AND INSIDE SURFACE GEOMETRY DWNSTRM EXAMS LIMITED TO 1" W OF 1.8" DUE TO NOZZLE CONFIGURATION SEE NOTE 1

UNP-02
INTERVAL
PERIOD: 03
GUTAGE: R7
DRAWING NO. RFW-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RFW(1)-4
DESCRIPTION: RX FEEDWATER LINE A

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. MIN.	EXAM. SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
RFW-PB-101(L)	SUR	1FWP-063	ACC				NO RECORDABLE INDICATIONS
	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS

LNF-02
 INTERVAL: 01
 PERIOD: 03
 OUTAGE: R7
 DRAWING NO. RFW-102

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
 SYSTEM OR COMPONENT RFW(1)-4
 DESCRIPTION: RX FEEDWATER LINE B

PAGE 001
 DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
12RFW(1)BF-9	VOL	1FWU-107	45				NO RECORDABLE INDICATIONS SCAN SURFACES 1&2 DIRECTIONS C&D
12RFW(1)BF-10	VOL	1FWU-107	45				NO RECORDABLE INDICATIONS SCANS SURFACES 1&2 DIRECTIONS C&D
12RFW(1)BF-11	VOL	1FWU-107	45				NO RECORDABLE INDICATIONS SCAN SURFACE 1&2 DIRECTIONS C&D
12RFW(1)BF-14	VOL	R-R7-66	60	45			45 RL AND SHEAR RECORDED ROOT AND INSIDE SURFACE GEOMETRY. DWNSTRM EXAMS LIMITED TO 'W' OF 1.0" FROM WCL DUE TO NOZZLE CONFIG SEE NOTE 1
12RFW(1)BE-8	VOL	R-R7-65		45			45 SHEAR RECORDED ROOT GEOMETRY
		1FWU-106	45				NO RECORDABLE INDICATIONS
12RFW(1)BE-11	SUR	1FWM-025	ACC				NO RECORDABLE INDICATIONS
	VOL	R-R7-41	60	45			DWNSTRM EXAMS LIMITED TO 'W' OF 1.0" FROM WCL DUE TO NOZZLE CONFIGURATION SEE NOTE 1
	SUR	1FWP-064	ACC				NO RECORDABLE INDICATIONS

SNP-02
INTERVAL
PERIOD: 03
OUTAGE: R7
DRAWING NO. RFW-102

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RFW(1)-4
DESCRIPTION: RX FEEDWATER LINE B

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
12RFW(1)BD-11	VOL	R-R7-44	60	45			45 RL AND SHEAR RECORDED ROOT AND INSIDE GEOMETRY. DWNSTRN EXAM LIMITED TO "W" OF 1.6" FROM WCL DUE TO NOZZLE CONFIGURATION SEE NOTE 1
RFW-PB-102(L)	SUR	1FWP-067	ACC				NO RECORDABLE INDICATIONS
	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS

UNP-02
INTERVAL: 01
PERIOD: 03
GUTAGE: R7
DRAWING NO. RFW-103

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RFW(11)-4
DESCRIPTION: REACTOR FEEDWATER

PAGE 001
DATE 09/28/92

EXAM.

DATA

SHEET

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

EXAMINATION RESULTS

NO INSIGNIF SIGNIFICANT

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

INDIC. INDIC. GEOMETRY OTHER

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

NO RECORDABLE INDICATIONS

INP-02
INTERVAL
PERIOD: 05
OUTAGE: R7
DRAWING NO. RRC-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RRC(2)-4S
DESCRIPTION: REACTOR RECIR LOOP A

PAGE 002
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
24RRC(2) A-1	VOL	R-R7-38		45,60			UPSTREAM EXAMINATION WAS LIMITED TO A 'W' OF 1.35" FROM WCL DUE TO NOZZLE CONFIGURATION. SEE NOTE 1
24RRC(2) A-2	SUR	1RRP-095	ACC				NO RECORDABLE INDICATIONS
	VOL	R-R7-38	60	45			45 SHEAR RECORDED ROOT GEOMETRY
24RRC(2) A-2LD	SUR	1RRP-095	ACC				NO RECORDABLE INDICATIONS
	VOL	R-R7-62	45				NO RECORDABLE INDICATIONS
24RRC(2) A-3LU	SUR	1RRP-095	ACC				NO RECORDABLE INDICATIONS
	VOL	R-R7-63	45				NO RECORDABLE INDICATIONS
24RRC(2) A-3	VOL	R-R7-40		45			45 SHEAR RECORDED ROOT GEOMETRY
24RRC(2) A-3LDO	VOL	R-R7-64	45				NO RECORDABLE INDICATIONS
RRC-V-67A-BDY	VT-3	1RRV-023	ACC				NO RECORDABLE INDICATIONS VALVE BONNET
12RRC(1)-N2A-1A		1RRV-022	ACC				NO RECORDABLE INDICATIONS
12RRC(1)-N2A-4LU	SUR	1RRP-110	ACC				NO RECORDABLE INDICATIONS
	VOL	R-R7-1	45				NO RECORDABLE INDICATIONS

WNP-02
 INTERVAL: 01
 PERIOD: 03
 OUTAGE: R7
 DRAWING NO. RRC-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
 SYSTEM OR COMPONENT RRC(2)-4S
 DESCRIPTION: REACTOR RECIR LOOP A

PAGE 002
 DATE 09/28/92

IDENT..NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
12RRC(1)-N2A-4	SUR	1RRP-101	ACC				NO RECORDABLE INDICATIONS
	VOL	R-R7-35		45			45 SHEAR RECORDED INSIDE SURFACE GEOMETRY
12RRC(1)-N2A-6	SUR	1RRP-101	ACC				NO RECORDABLE INDICATIONS
	VOL	R-R7-34	60	45			45 SHEAR RECORDED ROOT GEOMETRY DOWNSTREAM EXAMINATION LIMITED TO 1W OF 1.1" FROM WCL DUE TO NOZZLE CONFIG. SEE NOTE 1
12RRC(1)-N2B-1A	SUR	1RRP-101	ACC				NO RECORDABLE INDICATIONS
12RRC(1)-N2B-4LU	SUR	1RRP-111	ACC				NO RECORDABLE INDICATIONS
	VOL	R-R7-2	45				NO RECORDABLE INDICATIONS
12RRC(1)-N2B-4	SUR	1RRP-102	ACC				NO RECORDABLE INDICATIONS
	VOL	R-R7-33		45			45 SHEAR RECORDED ROOT GEOMETRY
12RRC(1)-N2B-6	SUR	1RRP-102	ACC				NO RECORDABLE INDICATIONS
	VOL	R-R7-32		45,60			45 RL, 60 RL AND 45 SHEAR RECORDED ROOT AND/OR INSIDE SURFACE GEOM DOWNSTRM EXAMS LIMITED TO 1W OF 0.9" FROM WCL DUE TO NOZZLE CONFIG SEE NOTE 1

NP-02
INTERVAL
PERIOD: 05
OUTAGE: R7
DRAWING NO. RRC-102

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RRC(2)-4S
DESCRIPTION: REACTOR RECIR LOOP B

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO	INSIGNIF	SIGNIFICANT		
			INDIC.	INDIC.	GEOMETRY	OTHER	
	SUR	1RRP-097		ACC			1) 270-360 DEG 1/8 X 1/32 LINEAR 2) 270-360 DEG 1/8 ROUND
12RRC(1)-N2G-1A	SUR	1RRP-116	ACC				NO RECORDABLE INDICATIONS
12RRC(1)-N2G-3	VOL	R-R7-23		45			45 SHEAR RECORDED ROOT AND COUNTER BORE GEOMETRY
12RRC(1)-N2G-4LU	VOL	R-R7-7	45				NO RECORDABLE INDICATIONS
12RRC(1)-N2G-4	SUR	1RRP-105	ACC				NO RECORDABLE INDICATIONS
	VOL	R-R7-22		45			45 SHEAR RECORDED ROOT AND INSIDE SURFACE GEOMETRY
12RRC(1)-N2G-6	SUR	1RRP-105	ACC				NO RECORDABLE INDICATIONS
	VOL	R-R7-21	60	45			45 RL AND SHEAR RECORDED ROOT AND INSIDE SURFACE GEOMETRY DOWNSTRM EXAM LIMITED TO 1/2 OF 0.85" FROM WCL DUE TO NOZZLE CONFIGURATION SEE NOTE 1
12RRC(1)-N2H-1A	SUR	1RRP-105	ACC				NO RECORDABLE INDICATIONS
	VOL	R-R7-56		45			45 SHEAR RECORDED ROOT GEOMETRY

WNP-02
 INTERVAL: 01
 PERIOD: 03
 OUTAGE: R7
 DRAWING NO. RRC-102

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
 SYSTEM OR COMPONENT RRC(2)-4S
 DESCRIPTION: REACTOR RECIR LOOP B

PAGE 004
 DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
	SUR	1RRP-109	ACC				NO RECORDABLE INDICATIONS EXPANDED SAMPLE FROM 12RRC(1)-N2K-4 INDICATION
12RRC(1)-N2H-3	VOL	R-R7-60		45			45 SHEAR RECORDED ROOT GEOMETRY
12RRC(1)-N2H-4LU	VOL	R-R7-8	45				NO RECORDABLE INDICATIONS
	SUR	1RRP-106	ACC				NO RECORDABLE INDICATIONS
12RRC(1)-N2H-4	VOL	R-R7-20		45			45 SHEAR RECORDED INSIDE SURFACE GEOMETRY
	SUR	1RRP-106	ACC				NO RECORDABLE INDICATIONS
12RRC(1)-N2H-6	VOL	R-R7-18	45,60				NO RECORDABLE INDICATIONS DWNSTRM EXAM LIMITED TO "W" OF 1.15" FROM WCL DUE TO NOZZLE CONFIGURATION SEE NOTE 1
	SUR	1RRP-106	ACC				NO RECORDABLE INDICATIONS
12RRC(1)-N2J-1A	SUR	1RRP-117	ACC				NO RECORDABLE INDICATIONS
12RRC(1)-N2J-4LU	VOL	R-R7-9	45				NO RECORDABLE INDICATIONS
	SUR	1RRP-107	ACC				NO RECORDABLE INDICATIONS

NP-02
INTERVAL
PERIOD: 05
OUTAGE: R7
DRAWING NO. RRC-102

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RRC(2)-4S
DESCRIPTION: REACTOR RECIR LOOP B

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	
12RRC(1)-N2J-4	VOL	R-R7-15		45			45 SHEAR RECORDED INSIDE SURFACE GEOMETRY
12RRC(1)-N2J-6	SUR	1RRP-107	ACC				NO RECORDABLE INDICATIONS
	VOL	R-R7-19	60	45			45 SHEAR RECORDED INSIDE SURFACE GEOMETRY DWNSTRM EXAM LIMITED TO "W" OF 0.8" FROM WCL DUE TO NOZZLE CONFIG SEE NOTE 1
12RRC(1)-N2K-1A	SUR	1RRP-107	ACC				NO RECORDABLE INDICATIONS
12RRC(1)-N2K-4LU	SUR	1RRP-118	ACC				NO RECORDABLE INDICATIONS
	VOL	R-R7-10	45				NO RECORDABLE INDICATIONS
12RRC(1)-N2K-4	SUR	1RRP-100	ACC				NO RECORDABLE INDICATIONS
	VOL	R-R7-16		45			45 SHEAR RECORDED ROOT AND INSIDE GEOMETRY
	SUR	1RRP-108		ACC			180-270 DEG LINEAR 1/16 REEXAM AFTER BLENDING INDICATION FROM REPORT 1RRP-098
		1RRP-098				REJ	180-270 DEG ROUND 3/8" BLENDED OUT SEC XI 2-0842 REEXAMINED 1RRP-108

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. RRC-102

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RRC(2)-4S
DESCRIPTION: REACTOR RECIR LOOP B

PAGE 006
DATE 09/28/92

IDENT. NO.	EXAM. MTN.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
12RRC(1)-N2K-6	VOL	R-R7-17		45,60			45 RL, 60 RL, AND 45 SHEAR RECORDED ROOT GEOMETRY DWNSTRM EXAM LIMITED TO 'W' OF 1.05" FROM WCL DUE TO NOZZLE CONFIGURATION. SEE NOTE 1
RRC-PB-102(L)	SUR	1RRP-100	ACC				NO RECORDABLE INDICATIONS
	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS

PIP-02
INTERVAL
PERIOD: 05
OUTAGE: R7
DRAWING NO. RRC-103

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RRC-P-1A
DESCRIPTION: RRC LOOP A PUMP

PAGE 001
DATE 09/28/92

EXAM.

DATA

EXAMINATION RESULTS

EXAM.

SHEET

NO

INSIGNIF

SIGNIFICANT

IDENT. NO.
RRC-PB-103(L)

MTN.

NO.

INDIC.

INDIC.

GEOMETRY OTHER

REMARKS

VT-2

1VT2-92

ACC

NO RECORDABLE INDICATIONS
EXAM AREA IS COVERED ON DRAWINGS
RRC-101 AND RRC-102

NP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. RRC-104

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RRC(51)-4
DESCRIPTION: RPV DRAIN

PAGE 001
DATE 09/28/92

EXAM.

DATA

EXAMINATION RESULTS

SHEET

NO

INSIGNIF

SIGNIFICANT

IDENT. NO.
RRC-PB-104(L)

EXAM.

MTN.

NO.

INDIC.

INDIC.

GEOMETRY OTHER

REMARKS

VT-2

1VT2-92

ACC

NO RECORDABLE INDICATIONS

NP-02
INTERVAL
PERIOD: 03
OUTAGE: R7
DRAWING NO. RRC-105

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RRC(6)-4S
DESCRIPTION: RHR SHUTDN COOL SUCT

PAGE 001
DATE 09/28/92

IDENT. NO. -----	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
20RRC(6)-8	YOL	R-R7-55			45,60		45 AND 60 RL RECORDED ONE PLANAR INDICATION. LENGTH = 3.6" THRU WALL DIM = 15%
		1RRU-166			SIZE		INDICATION RE-SIZED AT 0.17 INCH. NO SIGNIFICANT CHANGES IN THE INDICATION DEPTH OR SIGNAL CHARACTERISTICS FROM R6
RRC-PB-105(L)	YT-2	1YT2-92	ACC				NO RECORDABLE INDICATIONS

WHP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. RRC-106

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RRC(7)-4S
DESCRIPTION: SHUTDN COOL RETURN A

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
RRC-PB-106(L)	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS

INT-02
INTER 01
PERIOD 3
OUTAGE R7
DRAWING NO. RRC-107

WASHINGTON PUBLIC POWER SUPPLY SYSTEM.
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RRC(7)-4S
DESCRIPTION: SHUTDN COOL RETURN B

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	
RHR-SB-30							
RRC-PB-107(L)	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS

HP-32
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. RRC-108

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RRC(4)-4S
DESCRIPTION: RWCU INTERTIE RRC A

PAGE 001
DATE 09/28/92

EXAM.
DATA
SHEET

EXAMINATION RESULTS

IDENT. NO.
RRC-PB-108(L)

EXAM.
MTH.

NO.

NO

INSIGNIF

SIGNIFICANT

INDIC.

INDIC.

GEOMETRY OTHER

REMARKS

VT-2

1VT2-92

ACC

NO RECORDABLE INDICATIONS

LHP-02
INTER 01
PERIOD 3
OUTAGE: R7
DRAWING NO. RRC-109

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RRC(4)-4S
DESCRIPTION: RVCU INTERTIE RRC B

PAGE 001
DATE 09/28/92

		EXAM. DATA	<u>EXAMINATION RESULTS</u>				
		SHEET	NO	INSIGNIF	SIGNIFICANT		
<u>IDENT. NO.</u>	<u>EXAM.</u>	<u>NO.</u>	<u>INDIC.</u>	<u>INDIC.</u>	<u>GEOMETRY</u>	<u>OTHER</u>	<u>REMARKS</u>
RRC-PB-109(L)	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS

INP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. RRC-110

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RRC(6)-4S
DESCRIPTION: RRC LOOP A DRAIN

PAGE 001
DATE 09/28/92

IDENT. NO. RRC-PB-110(L)	EXAM. MTH.	EXAM. NO.	EXAMINATION RESULTS				REMARKS
			NO.	INSIGNIF	SIGNIFICANT	INDIC.	
	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS

IMP-02
INTERVAL
PERIOD: 03
UTAGE: R7
DRAWING NO. RRC-111

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RRC(6)-4S
DESCRIPTION: RRC LOOP B DRAIN

PAGE 001
DATE 09/28/92

IDENT..NO. RRC-PB-111(L)	EXAM. DATA SHEET NO.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO	INSIGNIF	SIGNIFICANT		
	MTN.	NO.	INDIC.	INDIC.	GEOMETRY	OTHER	
	VT-2	1VT2-92	ACC				NO RECORDABLE INDICATIONS

NP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. RWCU-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RWCU(4)-4
DESCRIPTION: RPV DRAIN TO RWCU

PAGE 001
DATE 09/28/92

EXAM.

DATA

EXAMINATION RESULTS

SHEET

NO

INSIGNIF

SIGNIFICANT

MTN. NO.

INDIC.

INDIC.

GEOMETRY OTHER

REMARKS

IDENT. NO.
RWCU-PB-101(L)

EXAM.

MTN.

VT-2

1VT2-92

ACC

NO RECORDABLE INDICATIONS

NP-02
INTERVAL
PERIOD: 03
CUTAGE: R7
DRAWING NO. SW-301

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT SW(1)-2
DESCRIPTION: SW LOOP A SUPPLY

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY OTHER		
SW-59	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SU-436	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-436 (W)	VT-3	1SWY-098	ACC				NO RECORDABLE INDICATIONS
SW-61	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-172	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-62	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-63	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-65	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-66	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-71	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-173	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SU-68	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-171	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-70	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-126	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS

NP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. SU-301

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT SW(1)-2
DESCRIPTION: SW LOOP A SUPPLY

PAGE 002
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO. INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	
SU-542H	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SU-435	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SU-73	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SU-200	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SU-74	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SU-434	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SU-76	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SU-201	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SU-120	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SU-430	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
	VT3H	1HV-0220				REJ	RACE DISPLACED FROM PADDLE 1/4" ON PIPE SIDE OF STRUT. RESTAKED BEARING. EVALUATED AS ACCEPTABLE WITHIN RANGE OF PPM 10.2.29.
SU-122	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SU-123	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS

NP-02
INTERVAL
PERIOD: 03
CUTAGE: R7
DRAWING NO: SW-303

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT SW(231)-2
DESCRIPTION: RETURN RHR-HX-1A

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. METHOD	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	
SW-147	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-148	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-941N	VT3H	1HV-0222	ACC				PSI ON REPLACEMENT NUTS.
		1HV-0219				REJ	6 NUTS ON BASEPLATE REJECTED DUE TO CORROSION. ENGINEERING EVALUATION DETERMINED THAT SUPPORT STILL MEETS DESIGN
SW-940N	VT3H	1HV-0221	ACC				PSI OF REPLACEMENT NUTS
		1HV-0218				REJ	3 NUTS ON BASEPLATE WERE REJECTED DUE TO CORROSION. ENGINEERING EVALUATION DETERMINED SUPPORT STILL WITHIN DESIGN.
SW-939N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS

ANP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. SW-304

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT SW(37)-2
DESCRIPTION: RETURN DCW-HX-1A1&A2

PAGE 001
DATE 09/28/92

IDENT. NO.---	EXAM. MTH.	EXAM. DATA SHEET NO.---	EXAMINATION RESULTS				REMARKS
			NO INDIC.---	INSIGNIF INDIC.---	SIGNIFICANT		
					GEOMETRY	OTHER	
SW-358	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-357	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-356	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-354	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-426	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-355	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS

CNP-02
INTERVAL
PERIOD: 03
OUTAGE: R7
DRAWING NO. SW-305

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT SW(2)-2
DESCRIPTION: SW LOOP B SUPPLY

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY OTHER		
SW-194	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-28	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SU-179	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-27	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-29	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SU-29(W)	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-119	VT-3	1SWV-095	ACC				NO RECORDABLE INDICATIONS
SW-119(W)	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-22	VT-3	1SWV-096	ACC				NO RECORDABLE INDICATIONS
	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS

MIP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. SW-306

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT SW(18)-2
DESCRIPTION: SW LOOP B SUPPLY

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
SW-308	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-307	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-266	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-267	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-292	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-293	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-294	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-306	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-303	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-302	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-301	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-312	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS

NP-02
INTERVAL
PERIOD: 03
OUTAGE: R7
DRAWING NO. SW-307

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT SW(24)-2
DESCRIPTION: SW LOOP B RETURN

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. METHOD	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	
SW-79	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-80	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-81	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-914N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-917N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-386	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-83	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-197	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-84	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-180	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-195	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-943N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-19	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-919N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-920N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS

NP-02
 INTERVAL: 01
 PERIOD: 03
 OUTAGE: R7
 DRAWING NO: SW-307

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
 SYSTEM OR COMPONENT SW(22)-2
 DESCRIPTION: SW LOOP B RETURN

PAGE 002
 DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO.	INSIGNIF	SIGNIFICANT		
			INDIC.	INDIC.	GEOMETRY	OTHER	
SW-920N(U)	YT-3	1SWV-097	ACC				NO RECORDABLE INDICATIONS
SW-921N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-922N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-923N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-924N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-925N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-926N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-933N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
	VT3H	1HV-0217				REJ	ONE NUT ON BASEPLATE UNACCEPTABLE DUE TO CORROSION. ENGINEERING EVALUATION WAS ACCEPTABLE.
SW-935N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW RING HDR A(CS)	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS

NP-02
INTERVAL
PERIOD: 03
OUTAGE: R7
DRAWING NO. SW-308

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT SW(38)-2
DESCRIPTION: SW LOOP B RETURN

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. METHOD	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	
SW-259	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-304	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS

NP-02
INTERVAL: 01
PERIOD: 03
GUTAGE: R7
DRAWING NO. SW-309

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT SW(70)-1
DESCRIPTION: SW SUPPLY HPCS LOOP

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
SW-13	VT3H	1HY-0214	ACC				NO RECORDABLE INDICATIONS

LNP-02
INTERVAL
PERIOD: 03
OUTAGE: R7
DRAWING NO. SW-312

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT SW(10)-2
DESCRIPTION: SUPPLY TO FPC-HX-1A

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
SU-962N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SU-963N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-964N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-965N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-966N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS

NP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: K7
DRAWING NO. SW-313

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT SW(12)-2
DESCRIPTION: RETURN TO RHR-HX-1A

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. DATA SHEET	EXAM. NO.	EXAMINATION RESULTS		REMARKS
			NO. INDIC.	INSIGNIF. SIGNIFICANT	
SW-959N	VT3H	1HV-0214	ACC		NO RECORDABLE INDICATIONS
SW-958N	VT3H	1HV-0214	ACC		NO RECORDABLE INDICATIONS
SW-957N	VT3H	1HV-0214	ACC		NO RECORDABLE INDICATIONS

NP-02
INTERVAL
PERIOD: 03
CUTAGE: R7
DRAWING NO. SW-314

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT SW(102)-2
DESCRIPTION: SUPPLY TO FPC-HX-1B

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
SW-954N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-953N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
SW-983N	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS

NP-02
INTERVAL: G1
PERIOD: 03
OUTAGE: R7
DRAWING NO. FPC-306

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT FPC(8)-1
DESCRIPTION: SUPPR POOL TO SUCT

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
FPC-126	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
FPC-123	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS

HP-02
INTERVAL
PERIOD: 03
OUTAGE: R7
DRAWING NO. FPC-307

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT FPC(8)-1
DESCRIPTION: FPC-P-3 DISCHARGE

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. SHEET NO.	EXAMINATION RESULTS				REMARKS	
			NO	INSIGNIF	SIGNIFICANT			
					INDIC.	INDIC.		GEOMETRY
FPC-99	VT3H	1HV-0214	ACC					NO RECORDABLE INDICATIONS
FPC-47	VT3H	1HV-0214	ACC					NO RECORDABLE INDICATIONS
FPC-48	VT3H	1HV-0214	ACC					NO RECORDABLE INDICATIONS
FPC-49	VT3H	1HV-0214	ACC					NO RECORDABLE INDICATIONS
FPC-100	VT3H	1HV-0214	ACC					NO RECORDABLE INDICATIONS
FPC-50	VT3H	1HV-0214	ACC					NO RECORDABLE INDICATIONS
FPC-907N	VT3H	1HV-0214	ACC					NO RECORDABLE INDICATIONS

LNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. MS-306

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT MS(18)2-11
DESCRIPTION: MS-RV-2B DISCHARGE

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
MSRV-2B-2	VT3H	1HV-0230	ACC				NO RECORDABLE INDICATIONS PSI OF REPLACEMENT STRUTS
MSRV-2B-6	VT3H	1HV-0231	ACC				NO RECORDABLE INDICATIONS PSI OF REPLACEMENT STRUT

HP-02
INTERVAL
PERIOD: 03
OUTAGE: R7
DRAWING NO. MS-307

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT MS(18)2-12
DESCRIPTION: MS-RV-3B DISCHARGE

PAGE 00
DATE 09/28/92

EXAM.

DATA

EXAMINATION RESULTS

SHEET

NO

INSIGNIF

SIGNIFICANT

IDENT. NO.
MSRV-3B-6

EXAM.

MTI

NO.

INDIC.

INDIC.

GEOMETRY OTHER

REMARKS

VT3H

1HV-0232

ACC

NO RECORDABLE INDICATIONS
PSI OF REPLACEMENT STRUT

MSRV-3B-7

VT3H

1HV-0233

ACC

NO RECORDABLE INDICATIONS
PSI OF REPLACEMENT STRUT

JNP-02
INTERVAL: 01
PERIOD: 03
CUTAGE: R7
DRAWING NO. MS-308

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT MS(18)2-13
DESCRIPTION: MS-RV-4B DISCHARGE

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY OTHER		
MS-287	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MSRV-4B-3	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MS-288	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MS-289	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MS-289(W)	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MSRV-4B-5	VT-3	1MSV-113	ACC				NO RECORDABLE INDICATIONS
	VT3H	1HV-0234	ACC				NO RECORDABLE INDICATIONS PSI OF REPLACEMENT STRUT
MSRV-4B-5(W)	VT-3	1MSV-111	ACC				NO RECORDABLE INDICATIONS
MSRV-4B-7	VT3H	1HV-0235	ACC				NO RECORDABLE INDICATIONS PSI OF REPLACEMENT STRUT
	VT-3	1MSV-114	ACC				NO RECORDABLE INDICATIONS
MSRV-4B-7(W)	VT-3	1MSV-112	ACC				NO RECORDABLE INDICATIONS
MSRV-4B-10(W)	VT-3	1MSV-112	ACC				NO RECORDABLE INDICATIONS
MS-291	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MS-291(W)	VT-3	1MSV-106	ACC				NO RECORDABLE INDICATIONS
MS-292	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MSRV-4B-9PS	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL
PERIOD: 05
OUTAGE: R7
DRAWING NO. MS-309

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT MS1812-14
DESCRIPTION: MS-RV-5B DISCHARGE

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. DATA SHEET MTH. NO.	EXAMINATION RESULTS				REMARKS
		NO.	INSIGNIF	SIGNIFICANT		
		INDIC.	INDIC.	GEOMETRY	OTHER	
MSRV-5B-7	VT3H	1HV-0236	ACC			NO RECORDABLE INDICATIONS PSI OF REPLACEMENT STRUTS
MSRV-5B-8	VT3H	1HV-0237	ACC			NO RECORDABLE INDICATIONS PSI OF REPLACEMENT STRUT

UNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO: MS-312

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT MS(18)-2-7
DESCRIPTION: MS-RV-3C DISCHARGE

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
MS-300	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MSRV-3C-2	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MSRV-3C-2(W)	VT-3	1MSV-125	ACC				NO RECORDABLE INDICATIONS
MSRV-3C-1	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MSRV-3C-1(W)	VT-3	1MSV-118	ACC				NO RECORDABLE INDICATIONS
MSRV-3C-3	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MSRV-3C-3(W)	VT-3	1MSV-119	ACC				NO RECORDABLE INDICATIONS
MS-301	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MSRV-3C-8	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MSRV-3C-8(W)	VT-3	1MSV-108	ACC				NO RECORDABLE INDICATIONS
MS-302	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MSRV-3C-4(W)	VT-3	1MSV-107	ACC				NO RECORDABLE INDICATIONS
MSRV-3C-6	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MSRV-3C-6(W)	VT-3	1MSV-110	ACC				NO RECORDABLE INDICATIONS
MSRV-3C-5	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS

NP-02
INTERVAL
PERIOD: 05
OUTAGE: R7
DRAWING NO. HS-312

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT MS(18)-2-7
DESCRIPTION: MS-RV-3C DISCHARGE

PAGE 00
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
MSRV-3C-5(W)	VT-3	1MSV-109	ACC				NO RECORDABLE INDICATIONS
MSRV-3C-7	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MS-303	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MSRV-3C-10	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MSRV-3C-10(W)	VT-3	1MSV-100	ACC				NO RECORDABLE INDICATIONS
MS-338	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS

LNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. NS-314

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT MS(18)-2-5
DESCRIPTION; MS-RV-5C DISCHARGE

PAGE 001
DATE 09/28/92

IDENT. NO. _____	EXAM. MTH. _____	EXAM. DATA SHEET NO. _____	EXAMINATION RESULTS				REMARKS _____
			NO INDIC. _____	INSIGNIF INDIC. _____	SIGNIFICANT GEOMETRY OTHER _____		
MSRV-5C-3	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MSRV-5C-3(W)	VT-3	1MSV-120	ACC				NO RECORDABLE INDICATIONS
MS-324	VT3H	1HV-0216				REQ	BOLTING "BOTTOM OF CLAMP" BOTH BOLT & NUT TURN TOGETHER WHEN CHECKED FOR TIGHTNESS. HANGER EVALUATED AS FUNCTIONAL. CLAMP TIGHTENED.
MSRV-5C-2	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MSRV-5C-2(W)	VT-3	1MSV-121	ACC				NO RECORDABLE INDICATIONS
MSRV-5C-1	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MS-325	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MS-325(W)	VT-3	1MSV-122	ACC				NO RECORDABLE INDICATIONS
MSRV-5C-6	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MSRV-5C-6(W)	VT-3	1MSV-117	ACC				NO RECORDABLE INDICATIONS
MSRV-5C-4	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MSRV-5C-4(W)	VT-3	1MSV-115	ACC				NO RECORDABLE INDICATIONS
MS-326	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS

AMP-02
INTERVAL
PERIOD: 03
OUTAGE: R7
DRAWING NO. MS-314

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT MS(18)-2-5
DESCRIPTION: MS-RV-5C DISCHARGE

PAGE 002
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	OTHER	
MSRV-5C-5	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MSRV-5C-7	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MSRV-5C-7(W)	VT-3	1MSV-116	ACC				NO RECORDABLE INDICATIONS
MSRV-5C-8	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MS-327	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MS-327(W)	VT-3	1MSV-103	ACC				NO RECORDABLE INDICATIONS
MS-346	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MS-346(W)	VT-3	1MSV-101	ACC				NO RECORDABLE INDICATIONS
MSRV-5C-9	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS

APP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R7
DRAWING NO. MS-315

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT MS(18)2
DESCRIPTION: MS-RV-10 DISCHARGE

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
			NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY OTHER		
MS-308	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MSRV-1D-3	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MS-309	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MS-310	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MS-310(W)	VT-3	1MSV-105	ACC				NO RECORDABLE INDICATIONS
MS-340	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS
MS-340(W)	VT-3	1MSV-102	ACC				NO RECORDABLE INDICATIONS
MSRV-1D-7PS	VT3H	1HV-0214	ACC				NO RECORDABLE INDICATIONS

IMP-02
INTERVAL: 1
PERIOD: 03
USAGE: K7
DRAWING NO: HS-317

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT MS(18)2-16
DESCRIPTION: HS-RV-3D DISCHARGE

PAGE 001
DATE 09/28/92

EXAM,
DATA
SHEET

EXAMINATION RESULTS

IDENT. NO.	EXAM. METHOD	EXAM. DATA SHEET NO.	NO. INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY OTHER	REMARKS
MS-314	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
MSRV-3D-4	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
MSRV-3D-4(W)	VT-3	1HSV-123	ACC			NO RECORDABLE INDICATIONS
MS-315	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
MSRV-3D-7	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
MS-316	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
MS-316(W)	VT-3	1HSV-104	ACC			NO RECORDABLE INDICATIONS
MSRV-3D-8PS	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS
MS-342	VT3H	1HV-0214	ACC			NO RECORDABLE INDICATIONS

HP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 87
DRAWING NO, MS-318

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT MS(18)2-15
DESCRIPTION: MS-RV-4D DISCHARGE

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. DATA SHEET	EXAM. NO.	EXAMINATION RESULTS				REMARKS
			NO. INDIC.	INSIGNIF.	SIGNIFICANT	GEOMETRY OTHER	
MS-317	VT3H	1HY-0214	ACC				NO RECORDABLE INDICATIONS
MSRV-4D-2	VT3H	1HY-0214	ACC				NO RECORDABLE INDICATIONS
MSRV-4D-2(4)	VT-3	1MSV-124	ACC				NO RECORDABLE INDICATIONS

III-02
INTERVAL
PERIOD: 03
OUTAGE: R7
DRAWING NO: SLC-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT SLC(2)-4S
DESCRIPTION: SLC PUMP DISCHARGE

PAGE 001
DATE 09/28/92

IDENT. NO.
SLC-PB-101(L)

EXAM,
DATA
SHEET
NO.
VT-2 1VT2-92

EXAMINATION RESULTS

NO.	INSIGNIF	SIGNIFICANT	REMARKS
INDIC.	INDIC.	GEOMETRY OTHER	
ACC			NO RECORDABLE INDICATIONS

HP-02
INTERVAL: 01
PLATID: 03
OUTAGE: R7
DRAWING NO: MISC

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RPV
DESCRIPTION: MOISTER SEPERATOR

PAGE 001
DATE 09/28/92

IDENT. NO.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS				REMARKS
		INSIGNIF	SIGNIFICANT	INDIC.	INDIC.	
STM SEP HOLDDOWN BOLTS	1KPU-087	ACC				NO RECORDABLE INDICATIONS

DDP-02
INTERVAL: 1
PERIOD: 05
OUTAGE: R7
LOADING NO, MISC

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT CSP(1)-1
DESCRIPTION: CONTIN PURGE AIR SUP

PAGE 002
DATE 09/28/92

EXAM.

DATA

SHEET

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

EXAMINATION RESULTS

NO

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INDIC

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

INSIGNIF

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

SIGNIFICANT

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

GEOHETRY OTHER

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

REMARKS

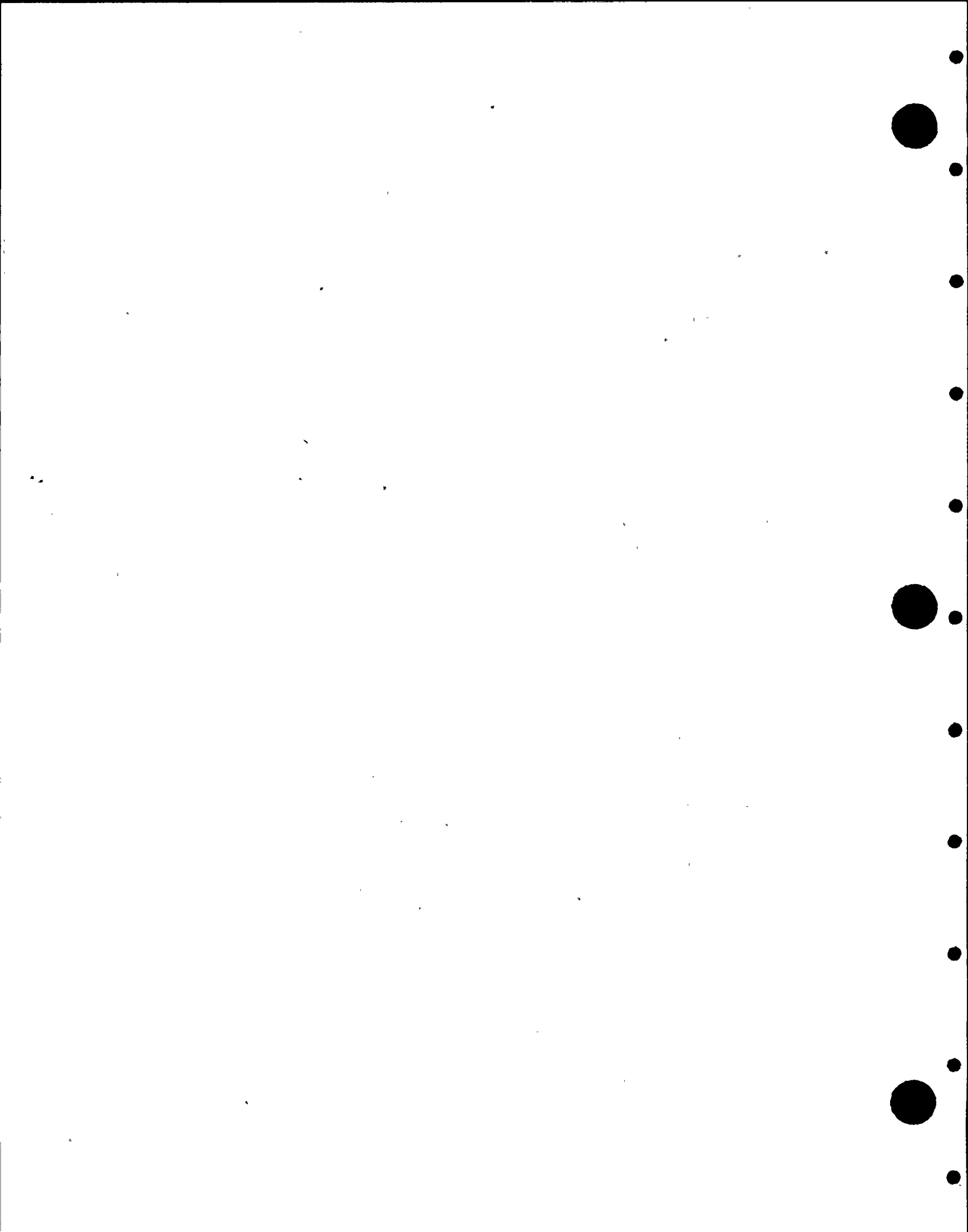
REMARKS

REMARKS

NO RECORDABLE INDICATIONS

NO RECORDABLE INDICATIONS

SCAN SURFACE 1&2 DIRECTION C&D

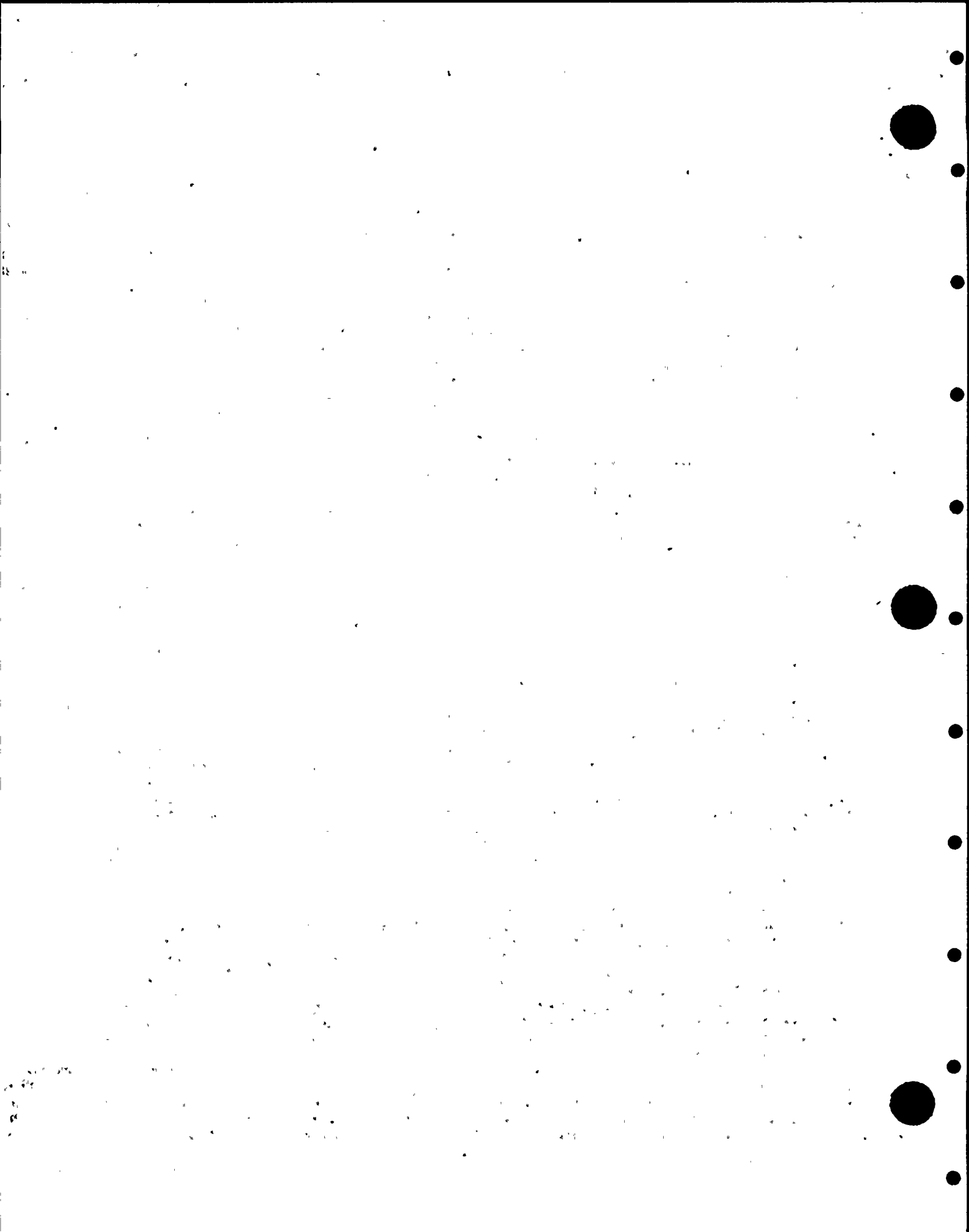


ISI SUMMARY REPORT RF92A

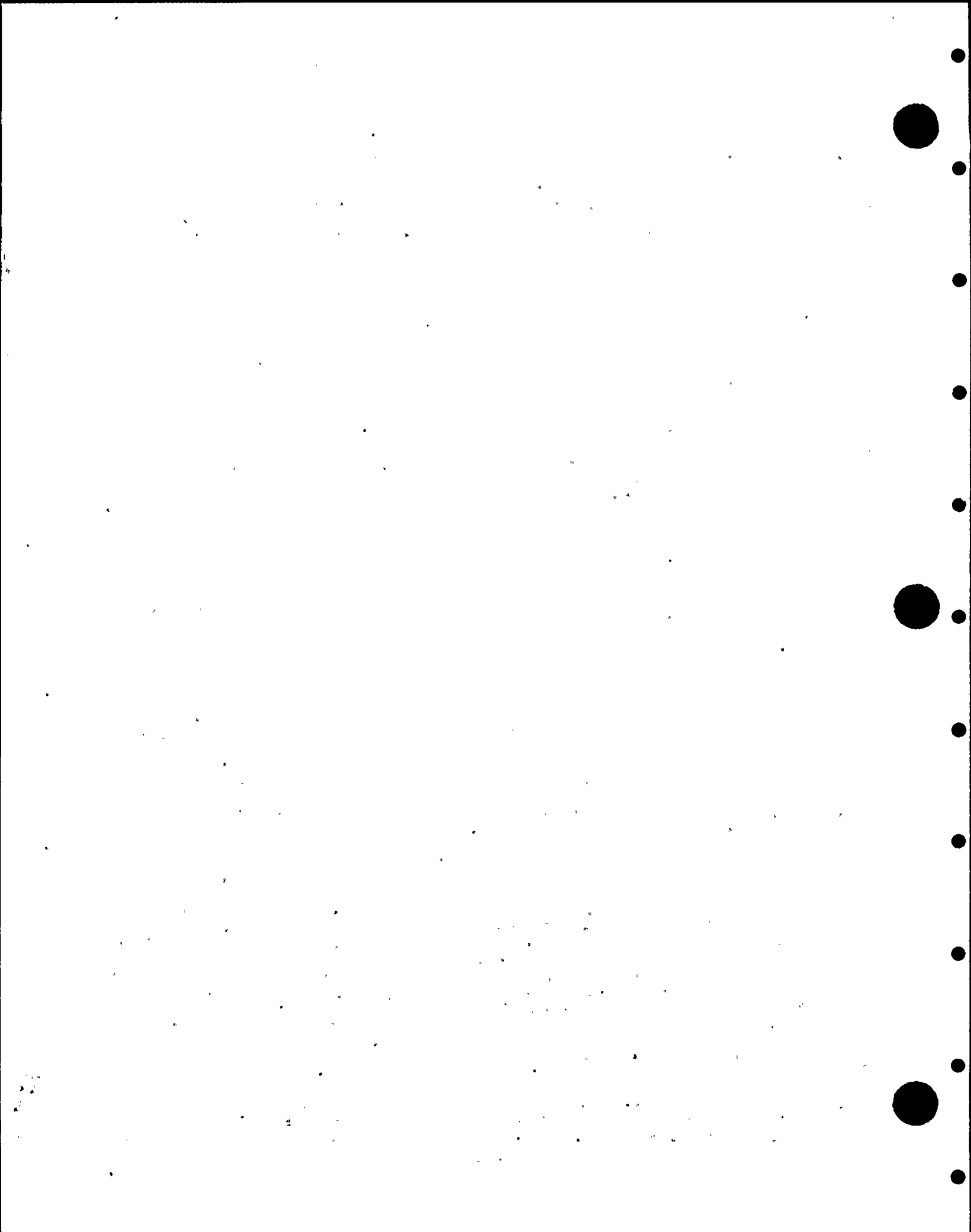
APPENDIX C

ASME SECTION XI REPAIR AND REPLACEMENT LISTING
NIS-2 OWNER'S REPORTS

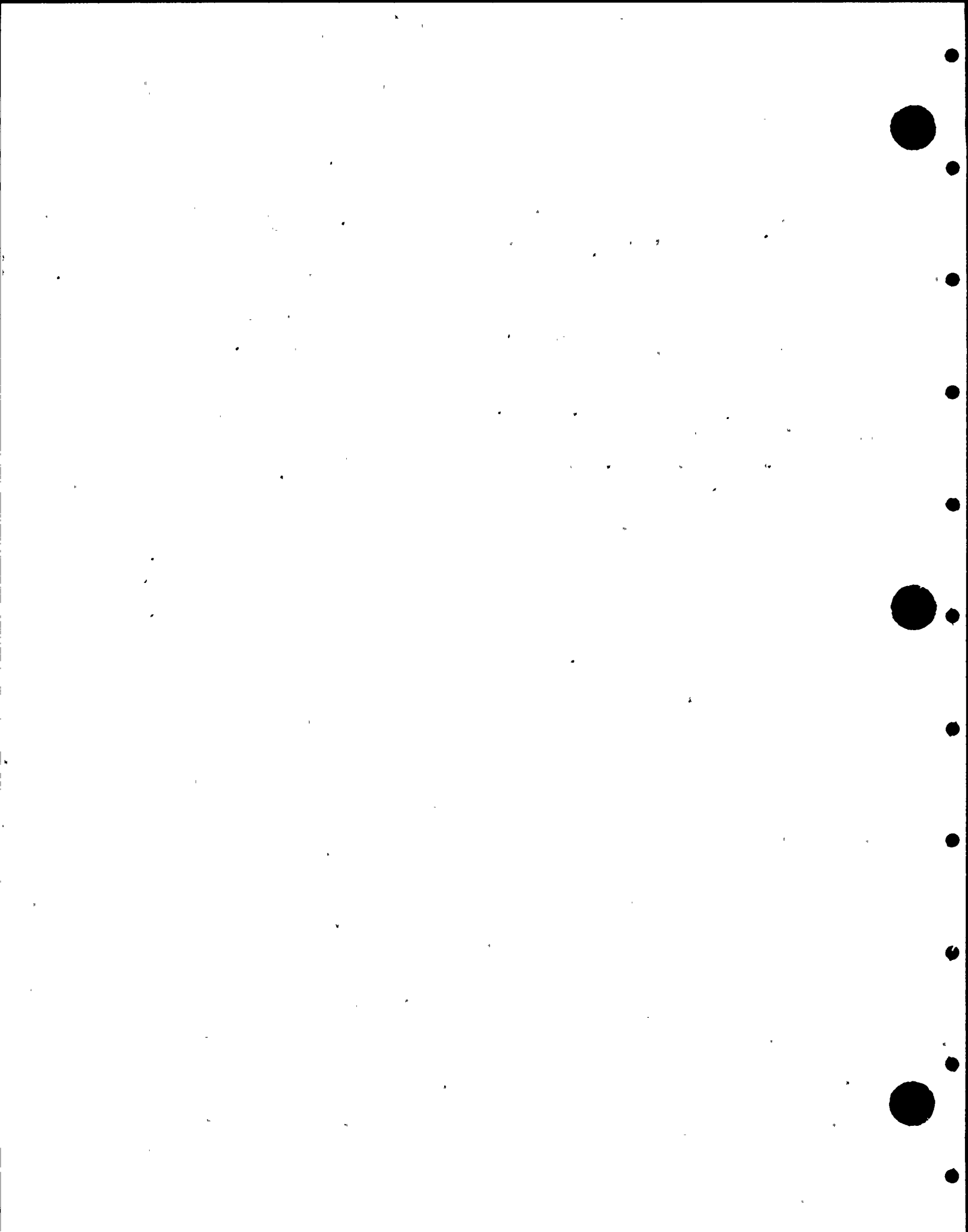
This appendix summarizes all ASME Section XI repairs and replacements work completed between October 1, 1991 and July 18, 1992. The status of the NIS-2 Owner's Report is stated for each repair and replacement work performed. For repairs and replacements completed during R-7 but for which an NIS-2 Owner's Report has not been issued yet, the NIS-2 Owner's Report will be issued in the next ISI Summary Report.



PLAN NO	MWR NO	COMPONENT NUMBER / WORK DESCRIPTION	DESC OF COMP	R&R REPORTED IN
2-0629	AR 0381	Replaced body to bonnet nuts for valves RHR-V-27A and RHR-V-27B	Valve	RF92A Summary Report
2-0653	AR 2188	Replaced disc insert and nozzle for relief valve MS-RV-1B	Relief Valve	RF92A Summary Report
2-0654	AR 2189	Replaced relief valve MS-RV-1C with spare S/N N63790-00-0120	Relief Valve	RF92A Summary Report
2-0655	AR 2190	Replaced disc insert and nozzle for relief valve MS-RV-2B	Relief Valve	RF92A Summary Report
2-0656	AR 2191	Replaced disc insert and nozzle for relief valve MS-RV-2C	Relief Valve	RF92A Summary Report
2-0657	AR 2192	Replaced relief valve MS-RV-2D with spare S/N N63790-00-0124	Relief Valve	RF92A Summary Report
2-0658	AR 2193	Replaced disc insert for relief valve MS-RV-4D	Relief Valve	RF92A Summary Report
2-0659	AR 2194	Replaced disc insert and nozzle for relief valve MS-RV-5B	Relief Valve	RF92A Summary Report
2-0660	AR 2195	Replaced disc insert and nozzle for relief valve MS-RV-5C	Relief Valve	RF92A Summary Report
2-0666	AR 5711	Reinstalled and welded access cut out plates on shell for CCH-CR-1A	Heat exchanger	RF92A Summary Report
2-0667	AR 3178	Replaced evaporator tubes for CCH-CR-1A	Heat exchanger	RF92A Summary Report
2-0675	AR 3722	Modified test connection for valves RFW-V-45A and RFW-V-45B	Piping	RF92A Summary Report
2-0676	AR 3723	Modified test connection for valves RFW-V-119 and RFW-V-120	Piping	RF92A Summary Report
2-0677	AR 3721	Modified test connection for valves RFW-V-44A and RFW-V-44B	Piping	RF92A Summary Report
2-0678	AR 3724	Modified test connection for RHR-V-161A and RHR-V-162A	Piping	See Plan No 2-0741
2-0679	AR 3720	Modified drain connection for valves HPCS-V-21 and HPCS-V-22	Piping	RF92A Summary Report
2-0680	AR 1095	Modified test connection for valves RFW-V-121 and RFW-V-122	Piping	RF92A Summary Report
2-0691	AR 0904	Body to bonnet seal weld and replaced stem/disc for valve MS-V-1	Valve	RF92A Summary Report
2-0692	AR 0905	Body to bonnet seal weld and replaced stem/disc for valve MS-V-2	Valve	See Plan No 2-0807
2-0693	AR 0906	Body to bonnet seal weld and replaced stem/disc for valve MS-V-5	Valve	RF92A Summary Report
2-0701	AR 3567	Replaced bolting material for flange joints on Dwg RCIC-659-27.28	Piping	RF92A Summary Report
2-0712	AR 3795	Modified new bonnet assemblies for valves RRC-V-67A and RRC-V-67B	Valves	RF92A Summary Report
2-0713	AR 3793	Installed new parts valve RRC-V-67A	Valve	RF92A Summary Report
2-0714	AR 3794	Installed new parts valve RRC-V-67B	Valve	RF92A Summary Report
2-0717	AR 5341	Replaced condenser tubes for CCH-CR-1A	Heat exchanger	RF92A Summary Report
2-0722	AR 5544	Cut and rewelded weld Dwg SW-506-1.8	Piping	RF92A Summary Report
2-0723	AR 5544	Cut and rewelded weld Dwg CCH-101-1.6	Piping	RF92A Summary Report
2-0724	AR 7052	Rerouted instrument piping PI(1)-4S-X78B	Tubing	RF92A Summary Report
2-0725	AR 6985	Installed piping for set pressure verification for MSRV's	Piping	RF92A Summary Report
2-0726	AR 7156	Modified test connection for valves HPCS-V-57 and HPCS-V-718	Piping	RF92A Summary Report
2-0727	AR 6116	Installed valve RCIC-V-215 for pressure gage RCIC-PI-11	Piping	RF92A Summary Report
2-0730	AR 7157	Fabricated restriction orifice for HPCS-RO-8 and HPCS-RO-9	Piping	RF92A Summary Report
2-0731	AR 7157	Fabricated spool pieces for HPCS-RO-8 and HPCS-RO-9	Piping	RF92A Summary Report
2-0732	AR 7156	Installed HPCS-RO-8 and HPCS-RO-9	Piping	RF92A Summary Report
2-0737	AR 7283	Modified test connection for HPCS-V-37 and HPCS-V-38	Piping	See Note 1
2-0738	AR 7298	Modified test connection for RHR-V-157A and RHR-V-158A	Piping	RF92A Summary Report
2-0739	AR 7285	Modified test connection for LPCS-V-37 and LPCS-V-38	Piping	See Note 1
2-0740	AR 7299	Modified test connection for RHR-V-157C and RHR-V-158C	Piping	See Note 1
2-0741	AR 7300	Modified test connection for RHR-V-161A and RHR-V-162A	Piping	RF92A Summary Report
2-0750	AR 5998	Replaced mechanical seal for pump RRC-P-1B	Pump	RF92A Summary Report
2-0751	AR 6615	Installed valve for RHR-PI-18	Tubing	RF92A Summary Report
2-0752	AR 6032	Installed cathodic protection of spray pond siphon piping	Piping	RF92A Summary Report
2-0753	AR 6386	Modified test connection for RHR-V-161A and RHR-V-162A	Piping	RF92A Summary Report
2-0754	AR 6388	Modified test connection for HPCS-V-37 and HPCS-V-38	Piping	RF92A Summary Report
2-0755	AR 6387	Modified test connection for RHR-V-157B and RHR-V-158B	Piping	RF92A Summary Report
2-0756	AR 6389	Weld built up for valves RHR-V-163 and RHR-V-164	Piping	RF92A Summary Report
2-0757	AR 3556	Replaced disc insert and nozzle for relief valve S/N 63790-00-0056	Relief Valve	RF92A Summary Report
2-0758	AR 3557	Replaced disc insert and nozzle for relief valve S/N 63790-00-0050	Relief Valve	RF92A Summary Report
2-0759	AR 4043	Replaced parts for relief valve S/N 63790-00-0052	Relief Valve	RF92A Summary Report
2-0760	AR 4044	Replaced disc insert and nozzle for relief valve S/N 63790-00-0046	Relief Valve	RF92A Summary Report
2-0761	AR 5675	Installed flanges for DCW-HX-1A2 drain line	Piping	RF92A Summary Report
2-0763	AR 5675	Repaired corroded areas on cover plate for DCW-HX-1A2	Heat Exchanger	RF92A Summary Report
2-0764	AR 6489	Deactivated valve SW-V-223A	Valve	RF92A Summary Report
2-0765	AR 6488	Deactivated valve SW-V-223B	Valve	RF92A Summary Report
2-0766	AR 5797	Modified piping for relief valve SW-RV-1A	Piping	RF92A Summary Report
2-0767	AR 5798	Modified piping for relief valve SW-RV-1B	Piping	RF92A Summary Report
2-0769	AR 6317	Body to bonnet seal weld for valve SW-V-931A	Valve	RF92A Summary Report
2-0770	AR 1359	Assembled stem disc and disc piston assemblies for MSIV	Valve	RF92A Summary Report
2-0773	AR 5668	Reinstalled drain connection with valve SW-V-834B and CCH-V-702B	Piping	RF92A Summary Report
2-0774	AR 7159	Installed pipe cap for connection with valve HPCS-V-718	Piping	RF92A Summary Report
2-0776	AR 6912	Installed pipe cap for connection with valve HPCS-V-70	Piping	RF92A Summary Report
2-0777	AR 7431	Replaced body to bonnet bolting material for valve RHR-V-50B	Valve	See Note 1
2-0778	AR 6913	BDC-88-0138-2D work for JCI support B-220-1077-145	Support	See Note 1



PLAN NO	MWR NO	COMPONENT NUMBER / WORK DESCRIPTION	DESC OF COMP	R&R REPORTED IN
2-0779	AR 6913	BDC-88-0138-2D work for PDM reinforcement structural steel	Supports	See Note 1
2-0780	AR 7435	Modified test connection for RHR-V-157B and RHR-V-158B	Piping	See Note 1
2-0781	AR 7436	Modified test connection for RHR-V-163 and RHR-V-164	Piping	RF92A Summary Report
2-0782	AR 7425	Modified test connection for HPCS-V-713 and HPCS-V-714	Piping	See Note 1
2-0783	AR 7564	Fabricated restriction orifice for FPC-RO-5A and FPC-RO-5B	Piping	RF92A Summary Report
2-0784	AR 7531	Fabricated spool pieces for FPC-RO-5A and FPC-RO-5B	Piping	RF92A Summary Report
2-0785	AR 7617	Installed FPC-RO-5A and FPC-RO-5B	Piping	RF92A Summary Report
2-0788	AR 7788	Modified connection for valve FPC-V-811	Piping	RF92A Summary Report
2-0792	AR 6826	Machined under sized pins	Supports	RF92A Summary Report
2-0793	AR 6826	Replaced snubbers with rigid struts for MS supports	Supports	RF92A Summary Report
2-0794	AR 6826	Replaced snubbers with rigid struts for MSRV supports	Supports	RF92A Summary Report
2-0795	AR 6826	Replaced snubbers with rigid struts for RCIC supports	Supports	RF92A Summary Report
2-0796	AR 6826	Replaced snubber with rigid strut for HPCS support	Support	RF92A Summary Report
2-0797	AR 7791	Replaced Local Power Range Monitoring (LPRM) in core assemblies	RPV	RF92A Summary Report
2-0798	AR 7748	Rerouted RHR return line from recombiner skid, RHR - Loop A	Piping	RF92A Summary Report
2-0799	AR 7749	Rerouted RHR return line from recombiner skid, RHR - Loop B	Piping	RF92A Summary Report
2-0800	AR 7781	Modified flanges for RHR - Loop A	Piping	RF92A Summary Report
2-0801	AR 7782	Modified flanges for RHR - Loop B	Piping	RF92A Summary Report
2-0802	AR 7617	Modified connection for valve FPC-V-612	Piping	RF92A Summary Report
2-0804	AR 7834	Modified hydrogen recombiner CAC-HR-1A skid piping	Piping	RF92A Summary Report
2-0805	AR 7835	Modified hydrogen recombiner CAC-HR-1B skid piping	Piping	RF92A Summary Report
2-0806	AR 4935	Replaced stem/disc assembly for valve MS-V-1	Valve	See Note 1
2-0807	AR 4944	Body to bonnet seal weld for valve MS-V-2	Valve	See Plan No 2-0849
2-0808	AR 7066	Installed pipe cap for connection with valve RCIC-V-603	Piping	See Note 1
2-0809	AR 7825	Installed spring steps for relief valve CIA-RV-5A	Relief valve	RF92A Summary Report
2-0810	AR 7825	Installed spring steps for relief valve CIA-RV-5B	Relief valve	RF92A Summary Report
2-0813	AR 6532	Replaced relief valve MS-RV-1C with spare S/N N63790-00-0046	Relief valve	RF92A Summary Report
2-0814	AR 6533	Replaced relief valve MS-RV-1D with spare S/N N63790-00-0050	Relief valve	RF92A Summary Report
2-0815	AR 6534	Replaced relief valve MS-RV-3B with spare S/N N63790-00-0052	Relief valve	RF92A Summary Report
2-0816	AR 6535	Replaced relief valve MS-RV-4B with spare S/N N63790-00-0056	Relief valve	RF92A Summary Report
2-0817	AR 7595	Replaced disc insert for relief valve CCH-RV-2A	Relief valve	See Note 1
2-0818	AR 7044	Removed socket weld pipe cap and installed threaded pipe cap	Piping	RF92A Summary Report
2-0819	AR 8426	Installed test port for relief valve HPCS-RV-35	Relief Valve	See Note 1
2-0820	AR 6609	Removed scratches on the disc seating surface for valve MS-V-41	Valve	See Note 1
2-0821	AR 7478	Replaced bolting material for flanged joints on Dwg RCIC-659-27.28	Piping	RF92A Summary Report
2-0822	AR 8363	Replaced parts for valve SLC-V-4B	Valve	RF92A Summary Report
2-0823	AR 5436	Replaced bolting material for OG-HX-1B	Heat Exchanger	See Note 1
2-0824	AR 8531	Rerouted instrument line PI(1)-4S-x115 on Dwg D-220-1.2-X115	Tubing	RF92A Summary Report
2-0825	AR 6300	Replaced U bolts for support MS-954N	Support	RF92A Summary Report
2-0826	AR 5436	Plugged tube for OG-HX-1B	Heat Exchanger	See Note 1
2-0828	AR 7478	Replaced bolting material for RPV Nozzle N8	Vessel	RF92A Summary Report
2-0829	AR 8630	Removed vent valves SW-V-168A and SW-V-169A	Piping	RF92A Summary Report
2-0831	AR 8660	Rerouted piping/tubing for LPCS-FE-2	Piping/Tubing	RF92A Summary Report
2-0832	AR 6353	Replaced rear disc assembly for valve CVB-V-1GH	Valve	See Note 1
2-0833	AR 1672	Installed pipe nipple and pipe cap for valve RWCU-V-605	Piping	RF92A Summary Report
2-0834	AR 4989	Replaced disc, nozzle and stem for relief valve SLC-RV-29A	Relief valve	RF92A Summary Report
2-0835	AR 4990	Replaced disc, nozzle and stem for relief valve SLC-RV-29B	Relief valve	RF92A Summary Report
2-0836	AR 7141	Replaced bolting material for decon flanged joint	Piping	RF92A Summary Report
2-0837	AR 8646	Body to bonnet seal weld for valve SLC-V-7	Valve	RF92A Summary Report
2-0841	AR 7735	Machined gasket seating surface on the bonnet for valve RFW-V-10A	Valve	RF92A Summary Report
2-0842	AR 8755	Removed PT indication from RPV nozzle safe end N2-K-SE-330, Weld 5	Piping	RF92A Summary Report
2-0843	AR 3793	Reinstalled bonnet vent connection for valve RRC-V-67A	Piping	RF92A Summary Report
2-0844	AR 3794	Reinstalled bonnet vent connection for valve RRC-V-67B	Piping	RF92A Summary Report
2-0845	AR 8856	Replaced safe end for valve CIA-SPV-1A	Valve/Piping	RF92A Summary Report
2-0846	AR 8760	Body to bonnet seal weld for valve CIA-V-56B	Valve	RF92A Summary Report
2-0849	AR 4944	Replaced valve MS-V-2	Piping	RF92A Summary Report
2-0850	AR 8737	Replaced bolting material for cover plate bolted joint for DCW-HX-1B2	Heat Exchanger	RF92A Summary Report
2-0851	AR 8960	Machined surface defects on valve plug for valve RHR-FCV-64B	Valve	See Note 1
2-0852	AR 8990	Replaced wedge for valve RHR-V-27B	Valve	See Note 1
2-0853	AR 9103	Replaced relief valve HPCS-RV-35 inlet piping material	Piping	See Note 1
2-0854	AR 8986	Replaced relief valve RHR-RV-1A	Relief valve	RF92A Summary Report
2-0855	AR 8988	Replaced disc for relief valve RHR-RV-25A	Relief valve	See Note 1
2-0856	AR 9283	Body to bonnet seal weld for valve RHR-V-143A	Valve	RF92A Summary Report



PLAN NO	MWR NO	COMPONENT NUMBER / WORK DESCRIPTION	DESC OF COMP	R&R REPORTED IN
2-0857	AR 9525	Replaced disc insert and nozzle for relief valve S/N 63790-00-0053	Relief Valve	RF92A Summary Report
2-0858	AR 9529	Replaced relief valve MS-RV-3B with spare S/N N63790-00-0053	Relief valve	RF92A Summary Report
2-0861	AR 7534	Installed pipe cap for connection RCIC-V-103	Piping	RF92A Summary Report
2-0862	AR 7566	Installed pipe cap for connection LPCS-V-36	Piping	RF92A Summary Report
2-0863	AR 7567	Installed pipe cap for connection LPCS-V-59	Piping	RF92A Summary Report
2-0864	AR 7286	Installed pipe cap for connection LPCS-V-55	Piping	RF92A Summary Report
2-0866	AR 9978	Removed and reinstalled elbow shown on Dwg SW-1525-1	Piping	RF92A Summary Report
N/A	AR 6826	Deleted snubbers	Supports	RF92A Summary Report
N/A	AR 5782	Replaced Control Rod Drives (CRD's)	CRD	RF92A Summary Report
N/A	AR 0572	Overhauled and replaced part(s) for Control Rod Drive (CRD)	CRD	RF92A Summary Report
N/A	AR 0641	Overhauled and replaced part(s) for Control Rod Drive (CRD)	CRD	RF92A Summary Report
N/A	AR 5867	Overhauled and replaced part(s) for Control Rod Drive (CRD)	CRD	RF92A Summary Report
N/A	AR 5869	Overhauled and replaced part(s) for Control Rod Drive (CRD)	CRD	RF92A Summary Report
N/A	AR 5870	Overhauled and replaced part(s) for Control Rod Drive (CRD)	CRD	RF92A Summary Report
N/A	AR 5873	Overhauled and replaced part(s) for Control Rod Drive (CRD)	CRD	RF92A Summary Report
N/A	AR 5878	Overhauled and replaced part(s) for Control Rod Drive (CRD)	CRD	RF92A Summary Report
N/A	AR 5879	Overhauled and replaced part(s) for Control Rod Drive (CRD)	CRD	RF92A Summary Report
N/A	AR 5889	Overhauled and replaced part(s) for Control Rod Drive (CRD)	CRD	RF92A Summary Report
N/A	AR 5891	Overhauled and replaced part(s) for Control Rod Drive (CRD)	CRD	RF92A Summary Report
N/A	AR 8522	Overhauled and replaced part(s) for Control Rod Drive (CRD)	CRD	RF92A Summary Report
Note 1	Work completed but NIS-2 Owner's Report not yet issued			



**WASHINGTON PUBLIC POWER
SUPPLY SYSTEM**

MWR NO AR 5782

**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: Control Rod Drives (CRD's)
5. (a) Applicable Construction Code: ASME Section III Code Class 1, See below for Code Edition, Addenda and Code Cases
(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: 8/26/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
CRD's	GE	See Below	N/A	N/A	See Below	Replacement	Yes, Code Class 1

7. Description of Work: Replaced thirty one (31) Control Rod Drives (CRD's). The replacement work was performed as follows:
1) Removed thirty one (31) existing CRD's, 2) Installed replacement CRD's, 3) Installed new cap screws for CRD flanged connections for core locations 10-35, 14-35, 22-27, 26-31, 30-39 and 34-07, 4) Torqued the cap screws for the CRD flanged connections to the required torque values, 5) Performed pressure test on CRD flanged connections to confirm pressure boundary integrity. No evidence of leakage during the pressure test

Core Location	CRD Removed Serial Number	Code Year And Addenda	CRD Replaced Serial Number	Code Year And Addenda	Year Built	Code Case
10-11	7492	1971/-	7348	1971/-	1975	1361-1
10-35	6447	1971/-	7585A	1971/-	1977	1361-1
14-35	5414	1971/-	7091	1971/-	1975	1361-1
22-27	6339	1971/-	7388	1971/-	1975	1361-1
26-31	6401	1971/-	6178	1971/-	1975	1361-1
30-39	5118	1971/-	5421	1971/-	1975	1361-1
34-07	7232	1971/-	7234	1971/-	1975	1361-1
34-31	4703	1971/-	6431	1971/-	1974	1361-1
34-35	7303	1971/-	7155	1971/-	1975	1361-1
34-39	6370	1971/-	A9154	74/W75	1991	N207&1361-2
38-51	7585A	1971/-	7000	1971/-	1974	1361-1
42-15	7560	1971/-	A9149	74/W75	1991	N207&1361-2
42-39	7234	1971/-	6578	1971/-	1974	1361-1
42-51	7408	1971/-	6817	1971/-	1975	1361-1
42-59	6455	1971/-	6671	1971/-	1975	1361-1
46-23	7362	1971/-	5374	1974/-	1974	None
46-35	5970	1971/-	A8929	74/W75	1991	N207&1361-2
46-43	6178	1971/-	A8518	74/W75	1987	1361-2
46-47	7348	1971/-	A8468	74/W75	1988	1361-2
50-11	6453	1971/-	6282	1971/-	1975	1361-1
50-23	6491	1971/-	A8488	74/W75	1988	1361-2
50-27	6248	1971/-	7143	1971/-	1975	1361-1
50-31	6817	1971/-	6725	1971/-	1975	1361-1
50-39	6651	1971/-	A8609	74/W75	1988	1361-2
50-51	7091	1974/-	A8530	74/W75	1988	1361-2
54-15	7108	1971/-	A8508	74/W75	1987	1361-2
54-31	7217	1971/-	6255	1971/-	1975	1361-1
54-35	6169	1971/-	6091	1971/-	1974	1361-1
54-43	7388	1971/-	7327	1971/-	1975	1361-1
58-43	5421	1971/-	A8947	74/W75	1991	N207&1361-2
42-39*	6578	1971/-	6651	1971/-	1975	1361-1

Notes - * Replaced CRD twice at this core location



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 5782

FORM NIS-2 (Back)

Replaced cap screws for the following CRD flanged connections

<u>Core</u> <u>Location</u>	<u>CRD Replaced</u> <u>Serial Number</u>	<u>Number Of Cap</u> <u>Screws Replaced</u>
10-35	7585A	8
14-35	7091	8
22-27	7388	8
26-31	6178	8
30-39	5421	8
34-07	7234	2

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ None

Test Pressure: 1000 Psig

Test Temperature: 538° F

Component Design Pressure: 1250 Psig

Temperature: 535° F

9. Remarks: N-2 Code Data Reports for the replacement CRD's are filed separately from this NIS-2 form

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 Rudip Singh Signed by [Signature]
Materials And Inspections Plant Technical Manager

Date 8/27/92 Date 8-27-92

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 3/12/92 to 8/27/92 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 8/28/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 6826

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: Main Steam (MS), Reactor Core Isolation Cooling (RCIC) and High Pressure Core Spray (HPCS) Systems
5. (a) Applicable Construction Code: ASME Section III Code Class 1, 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's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
B22-G001B	WPPSS	B22-G001B-P1	N/A	N/A	1984	Replacement	Yes, Code Class 1
MS(18)-2-10	WPPSS	MS(18)-2-10	N/A	N/A	1983	Replacement	Yes, Code Class 1
MS(18)-2-11	WPPSS	MS(18)-2-11	N/A	N/A	1983	Replacement	Yes, Code Class 1
MS(18)-2-12	WPPSS	MS(18)-2-12	N/A	N/A	1984	Replacement	Yes, Code Class 1
MS(18)-2-13	WPPSS	MS(18)-2-13	N/A	N/A	1984	Replacement	Yes, Code Class 1
MS(18)-2-14	WPPSS	MS(18)-2-14	N/A	N/A	1983	Replacement	Yes, Code Class 1
RCIC(12)-4CL1	WPPSS	RCIC(12)-4CL1	N/A	N/A	1984	Replacement	Yes, Code Class 1
HPCS(1)-4CL1	WPPSS	HPCS(1)-4CL1	N/A	N/A	1984	Replacement	Yes, Code Class 1

7. Description of Work: A) Deleted snubbers for the following hangers

<u>B22-G001B</u>	<u>MS(18)-2-10</u>	<u>MS(18)-2-11</u>	<u>MS(18)-2-12</u>	<u>MS(18)-2-13</u>	<u>MS(18)-2-14</u>	<u>RCIC(12)-4CL1</u>
MS-SB-4	MSRV-1B-1	MSRV-2B-1	MSRV-3B-1	MSRV-4B-2	MSRV-5B-1	RCIC-1C-3
MS-SB-5	MSRV-1B-3	MSRV-2B-4	MSRV-3B-4	MSRV-4B-4	MSRV-5B-2	RCIC-1C-4
MS-SB-6	MSRV-1B-4	MSRV-2B-5	MSRV-3B-5	MSRV-4B-6	MSRV-5B-4	RCIC-1C-8
MS-SB-8	MSRV-1B-5	MSRV-2B-7	MS-285	MSRV-4B-8	MSRV-5B-5	RCIC-1C-10
MS-SB-10		MSRV-2B-8		MSRV-4B-9	MSRV-5B-6	RCIC-1C-14
				MSRV-4B-10	MSRV-5B-9	RCIC-1C-15
				MS-290		RCIC-969S
						RCIC-970S
						RCIC-974S
						RCIC-975S

HPCS(1)-4CL1
HPCS-63
HPCS-910N
HPCS-912N
HPCS-918N
HPCS-919N

B) Replaced pin for RRC-1C-900N, S/N 583



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 6826

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: 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 Rudip Singh
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 8/25/92

Date 8-26-92

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 4/20/92 to 8/27/92 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 9536 W NBI
National Board, State, and Endorsements

Date 8/27/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 0572

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: Control Rod Drive (CRD)
5. (a) Applicable Construction Code ASME Section III Code Class 1, 1971 Edition with no Addenda, Code Case: 1361-1
(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: 6/12/92
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
CRD CT&F	GE GE	7272 A9149	N/A N/A	N/A N/A	1975 1991	Replaced Replacement	Yes, Code Class 1 Yes, Code Class 1

7. Description of Work: Overhauled Control Rod Drive (CRD) Serial No 7272. The overhaul work was performed as follows
- 1) Disassembled CRD assembly for overhaul
 - 2) Performed PT examination on the Cylinder Tube and Flange (CT&F) assembly. PT examination results unacceptable
 - 3) Reassembled CRD parts and installed new CT&F assembly Serial No A9149

NOTES -

- 1) The existing Control Rod Drive (CRD) Serial No 7272, ASME Section III, Code Class 1, 1971 Edition with no Addenda, Code Case 1361-1
- 2) The new Cylinder Tube and Flange (CT&F) Serial No A9149, ASME Section III, Code Class 1, 1974 Edition with Winter 1975 Addenda, Code Case N207, 1361-2
- 3) The entire CRD assembly is now identified by the new CT&F Serial No A9149



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 0572

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 N-2 Code Data Report for new Cylinder Tube and Flange (CT&F) assembly Serial No A9149

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 Lutz

Signed by [Signature]

Materials And Inspections

Plant Technical Manager

Date 6/15/92

Date 6-15-92

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 4/22/92 to 6-15-92 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

9556 W NBI

National Board, State, and Endorsements

Date 6-15-92

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)
2117-Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for : WNP 2 Richland, Washington 99352
(Name and Address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A9149 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No: 919D258G003 Rev 17 Dwg. Prepared by D. L. Peterson
- (b) Description of Part Inspected: Cylinder Tube & Flange
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207 1361-2 Class 1
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 1 of 2

We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report)

Date: 11/18/91 Signed GE - NEBG - NF & CM - QA By [Signature]
(NPT Certificate Holder) (USC QA Representative)

Certificate of Authorization Expires: 6/16/93 Certification of Authorization No. : NPT N - 1151

Certification of Design for Appurtenance

Design information on file at GE Company, San Jose, California

Stress analysis report on file at GE Company, San Jose, California

OC22A6253 Rev. 1
Design specification certified by Bjorn Haaberg Prof. Eng. State Calif. Reg. No. 15570

OC22A6254 Rev 1
Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. M018646

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 11/15, 1991, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

11/18, 1991 [Signature] NC 1231, Ohio, WC 3686 PA
Date Inspector's Signature National Board, State, Province And No.

Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

(07/90)

FORM N-2 (back)

Items 4-8 Incl. to be completed for single wall vessels, jackets vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
Girth _____ H.T. _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top Bottom, Ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (conv. or conc.)
(a) _____	_____	_____	_____	_____	_____	_____	_____	_____
(b) _____	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S. Size Number) (Describe or attach sketch)

7. Jacket Closure: _____
(Describe as ogee and weld, bar, etc. if bar give dimensions, if bolts, describe or sketch)

8. Design pressure ² _____ psi at _____ ° F Drop Weight _____ ft-lb
Charpy Impact _____ ° F at temp of _____ ° F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)
Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(Str. or U)

Items 11 - 14 Incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

12. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
Girth _____ H.T. _____ R.T. _____ No. of Courses _____

13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (conv. or conc.)
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)

14. Design pressure ² _____ psi at _____ ° F Drop Weight _____ ft-lb
Charpy Impact _____ ° F at temp of _____ ° F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

Purpose (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

17. Inspection Manholes. No. _____ Size _____ Location _____
Openings: Handholes. No. _____ Size _____ Location _____
Threaded. No. _____ Size _____ Location _____

19. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

1 - if Postweld Heat-Treated.

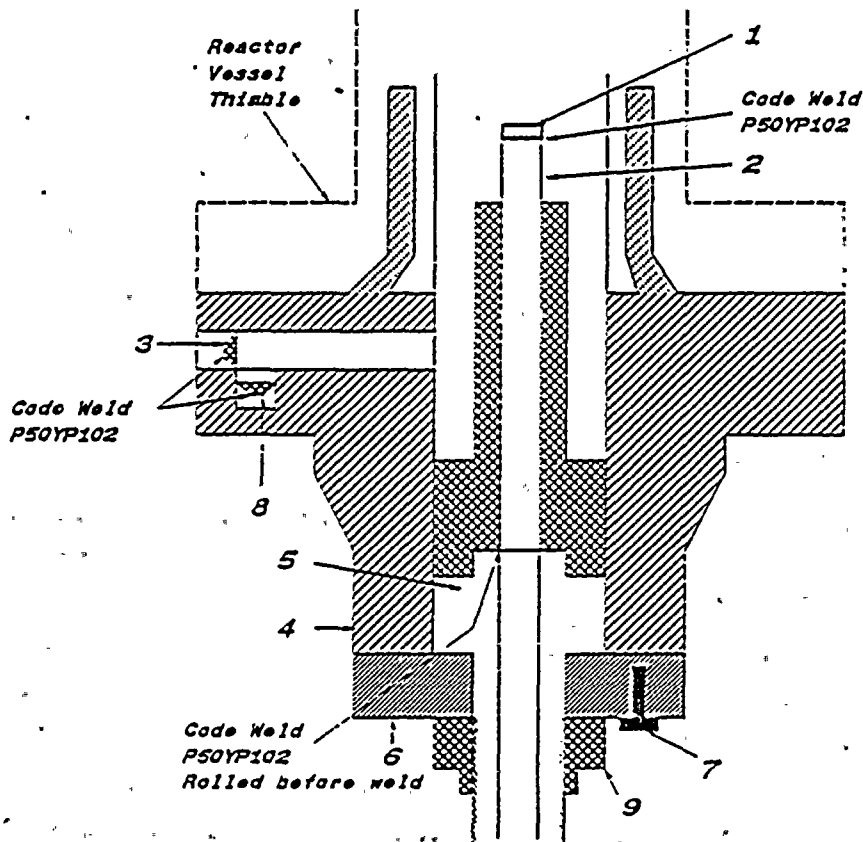
2 - List other internal or external pressure with coincident temperature when applicable.

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)
2117 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for : WNP 2 Richland, Washington 99352
(Name and Address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A9149 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No: 919D258G003 Rev 17 Dwg. Prepared by D. L. Peterson
- (b) Description of Part Inspected: Cylinder Tube & Flange
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207 1361-2 Class 1
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 2 of 2

1. Cap 166B9274P001
SA182 - F304
3/8" thick x 1 1/16" OD
2. Indicator Tube 166B9313P001
SA312 - TP316
3/4" sch 40 - seamless pipe
0.113" wall thickness
1.065" max. dia.
3. Plug 159A1176P001
SA182 - F304
1/4" thick x 0.812" OD
4. Flange 919D610P001 (719E474)
SA182 - F304
3.37" thick x 9 5/8" OD
5. Base 137C5311P001
SA182 - F304
7/8" thick x 2.875" dia.
6. Ring Flange 114B5122P002, P003
137C8151P001, P002
SA182 - F304
1" thick x 5.0" OD x 1.75" ID
7. Cap Screw 117C4516P002
SA193 - B6
6 ea. 1/2" dia. on 4 1/8" bolt circle
8. Plug 175A7961P001
SA182 - F304
0.38" thick x 1.307" dia.
9. Nut 137C5934P001
XM - 19 SA479
1.30" thick x 2.62" dia.





WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 0641

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: Control Rod Drive (CRD)
5. (a) Applicable Construction Code ASME Section III Code Class 1, 1971 Edition with no Addenda, Code Case: 1361-1
(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: 6/12/92
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
CRD CT&F	GE GE	7346 A8947	N/A N/A	N/A N/A	1975 1991	Replaced Replacement	Yes, Code Class 1 Yes, Code Class 1

7. Description of Work: Overhauled Control Rod Drive (CRD) Serial No 7346. The overhaul work was performed as follows
- 1) Disassembled CRD assembly for overhaul
 - 2) Performed PT examination on the Cylinder Tube and Flange (CT&F) assembly. PT examination results unacceptable
 - 3) Reassembled CRD parts and installed new CT&F assembly Serial No A8947

NOTES -

- 1) The existing Control Rod Drive (CRD) Serial No 7346, ASME Section III, Code Class 1, 1971 Edition with no Addenda, Code Case 1361-1
- 2) The new Cylinder Tube and Flange (CT&F) Serial No A8947, ASME Section III, Code Class 1, 1974 Edition with Winter 1975 Addenda, Code Case N207, 1361-2
- 3) The entire CRD assembly is now identified by the new CT&F Serial No A8947



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 0641

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 N-2 Code Data Report for new Cylinder Tube and Flange (CT&F) assembly Serial No A8947

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 Quaid S. S. S.
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 6/15/92

Date 6-15-92

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 4/22/92 to 6/15/92 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 9556 W NBI
National Board, State, and Endorsements

Date 6-15-92

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)
2117 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for : WNP 2 Richland, Washington 99352
(Name and Address of NPT Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A8947 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No: 919D258G003 Rev 17 Dwg. Prepared by D. L. Peterson
- (b) Description of Part Inspected: Cylinder Tube & Flange
- (c) Applicable ASME Code: Section III , Edition 1974 , Addenda Date W75 , Case No. N207 1361-2 Class 1
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 1 of 2

We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).

Date: 06/14/91

Signed GE - NEBG - NF & CM - QA . By

(NPT Certificate Holder)

SC QA Representative

Certificate of Authorization Expires: 6/16/93 Certification of Authorization No. : NPT N - 1151

Certification of Design for Appurtenance

Design information on file at GE Company, San Jose, California

Stress analysis report on file at GE Company, San Jose, California

QC22A6253 Rev. 1

Design specification certified by Biorn Haaberg Prof. Eng. State Calif. Reg. No. 15570

QC22A6254 Rev 1

Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. M018646

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 6/16/91, 1991, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

6/14

Date

1991

James P. Evans

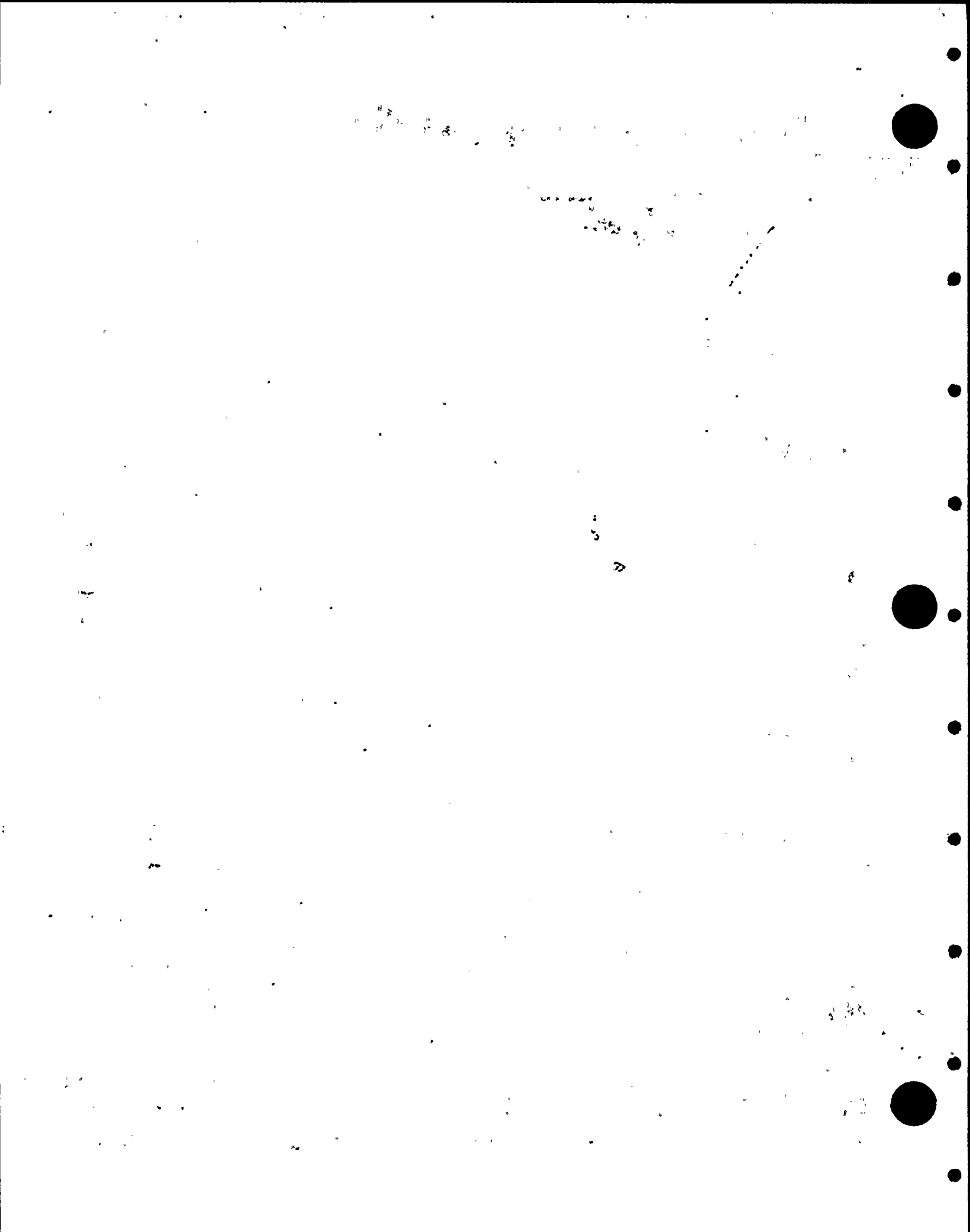
Inspector's Signature

NC 1231, Ohio

National Board, State, Province And No.

*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

(07/90)



S/N. A 8947

Rundip Sup 5
12/12/91

FORM N-2 (back)

Items 4-8 Incl. to be completed for single wall vessels, jackets vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
Girth _____ H.T. _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location (Top Bottom, Ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (conv. or conc.)
(a) _____
(b) _____
If removable, bolts used _____ (Material, Spec. No., T.S. Size Number) Other fastening _____ (Describe or attach sketch)

7. Jacket Closure: _____
(Describe as ogee and weld, bar, etc. if bar give dimensions, if bolts, describe or sketch)

8. Design pressure ² _____ 1250 _____ psi at _____ 575 _____ ° F at temp of _____ ° F
Drop Weight _____
Charpy Impact _____ ft-lb

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)
Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(Str. or U)

Items 11 - 14 Incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

12. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
Girth _____ H.T. _____ R.T. _____ No. of Courses _____

13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (conv. or conc.)
(a) Top, bottom, ends _____
(b) Channel _____
If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____ (Describe or attach sketch)

14. Design pressure ² _____ psi at _____ ° F at temp of _____ ° F
Drop Weight _____
Charpy Impact _____ ft-lb

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

16. Nozzles: Purpose (Inlet, Outlet, Drain) Number Dia. or Size Type Material Thickness Reinforcement Material How Attached

17. Inspection Manholes, No. _____ Size _____ Location _____
Openings: Handholes, No. _____ Size _____ Location _____
Threaded, No. _____ Size _____ Location _____

18. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

1 - if Postweld Heat-Treated.

2 - List other internal or external pressure with coincident temperature when applicable.

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)

2117 Castle Hayne Road, Wilmington, North Carolina 28401

(Name and Address of NPT Certificate Holder)

(b) Manufactured for : WNP 2 Richland, Washington 99352
(Name and Address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part : A8947 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No: 919D258G003 Rev 17 Dwg. Prepared by D. L. Peterson

(b) Description of Part Inspected: Cylinder Tube & Flange

(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. N207 1361-2 Class 1

3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 2 of 2

1. Cap 166B9274P001
SA182 - F304
3/8" thick x 1 1/16" OD

2. Indicator Tube 166B9313P001
SA312 - TP316
3/4" sch 40 - seamless pipe
0.113" wall thickness
1.065" max. dia.

3. Plug 159A1176P001
SA182 - F304
1/4" thick x 0.812" OD

4. Flange 919D610P001 (719E474)
SA182 - F304
3.37" thick x 9 5/8" OD

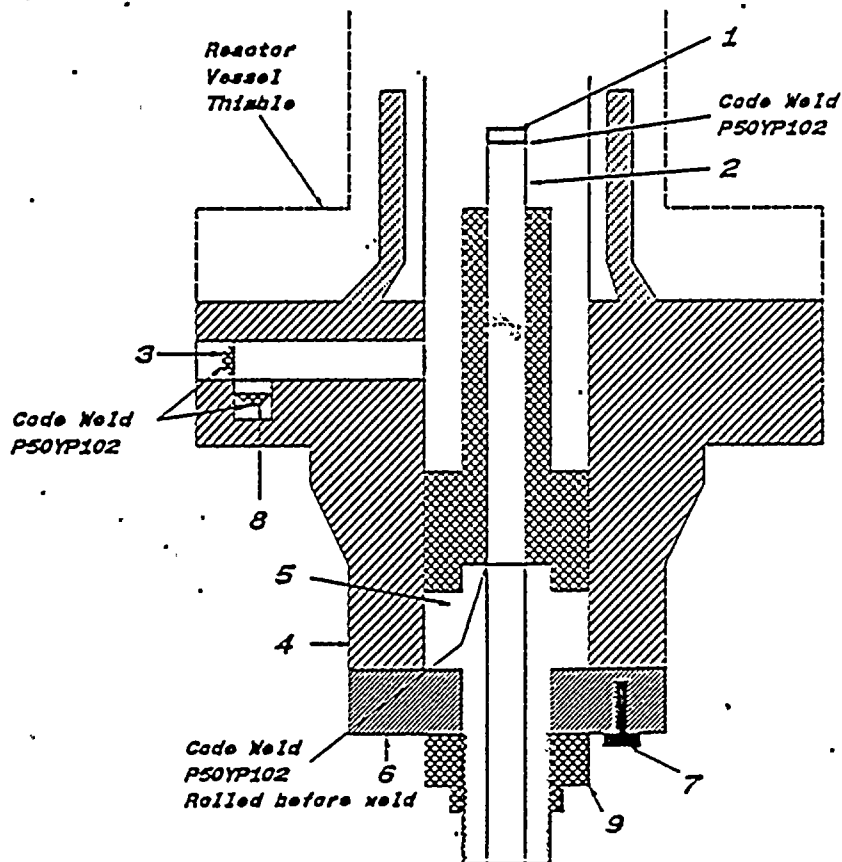
5. Base 137C5311P001
SA182 - F304
7/8" thick x 2.875" dia.

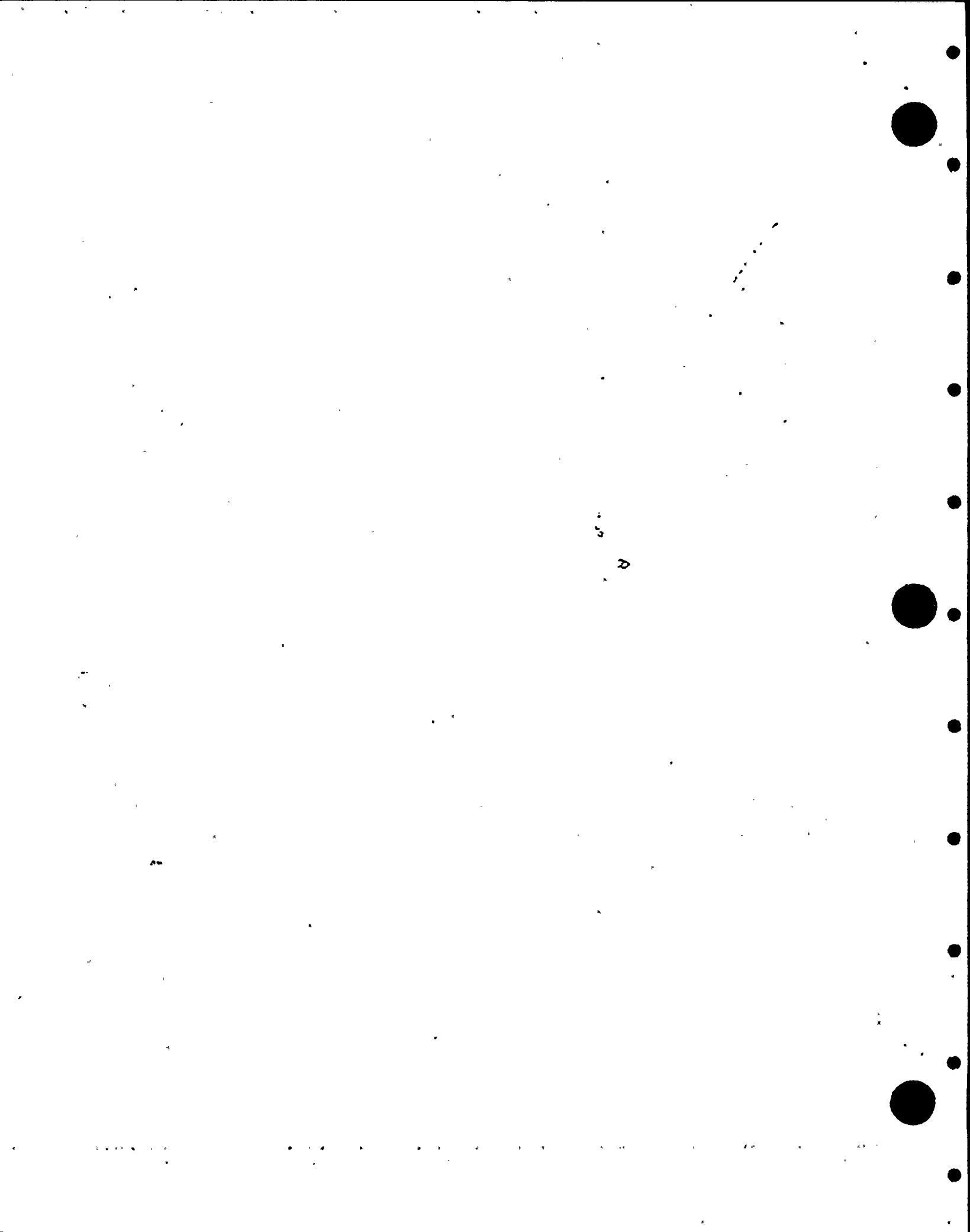
6. Ring Flange 114B5122P002, P003
137C8151P001, P002
SA182 - F304
1" thick x 5.0" OD x 1.75" ID

7. Cap Screw 117C4516P002
SA193 - B6
6 ea. 1/2" dia. on 4 1/8" bolt circle

8. Plug 175A7961P001
SA182 - F304
0.38" thick x 1.207" dia.

9. Nut 137C5934P001
XM - 19 SA479
1.30" thick x 2.62" dia.







WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 5867

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: Control Rod Drive (CRD)
5. (a) Applicable Construction Code ASME Section III Code Class 1, 1971 Edition with no Addenda, Code Case: 1361-1
(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: 6/12/92

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
CRD CT&F	GE GE	5414 A8922	N/A N/A	N/A N/A	1974 1991	Replaced Replacement	Yes, Code Class 1 Yes, Code Class 1

7. Description of Work: Overhauled Control Rod Drive (CRD) Serial No 5414. The overhaul work was performed as follows
- 1) Disassembled CRD assembly for overhaul
 - 2) Performed PT examination on the Cylinder Tube and Flange (CT&F) assembly. PT examination results unacceptable
 - 3) Reassembled CRD parts and installed new CT&F assembly Serial No A8922

NOTES -

- 1) The existing Control Rod Drive (CRD) Serial No 5414, ASME Section III, Code Class 1, 1971 Edition with no Addenda, Code Case 1361-1
- 2) The new Cylinder Tube and Flange (CT&F) Serial No A8922, ASME Section III, Code Class 1, 1974 Edition with Winter 1975 Addenda, Code Case N207, 1361-2
- 3) The entire CRD assembly is now identified by the new CT&F Serial No A8922



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 5867

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 N-2 Code Data Report for new Cylinder Tube and Flange (CT&F) assembly Serial No A8922

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 Rudip Singh
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 6/15/92

Date 6-15-92

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 5/7/92 to 6/15/92 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 6-15-92

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES
As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)
2117 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for : WNP 2 Richland, Washington 99352
(Name and Address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A8922 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No: 919D258G003 Rev 17 Dwg. Prepared by D. L. Peterson
- (b) Description of Part Inspected: Cylinder Tube & Flange
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207 1361-2 Class 1
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 1 of 2

We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).

Date: 10/23/91 Signed GE-NEEG-NF & CM-QA By [Signature]
(NPT Certificate Holder) (SC QA Representative)

Certificate of Authorization Expires: 6/16/93 Certification of Authorization No. : NPT N-1151

Certification of Design for Appurtenance

Design information on file at GE Company, San Jose, California

Stress analysis report on file at GE Company, San Jose, California

QC22A6253 Rev. 1
Design specification certified by Blorn Haaberg Prof. Eng. State Calif. Reg. No. 15570

QC22A6254 Rev. 1
Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. M018646

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 10/22, 1991 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

10/23, 1991
Date

[Signature]
Inspector's Signature

NC 1231, Ohio, WC 3686 PA
National Board, State, Province And No.

Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

FORM N-2 (back)

Items 4-8 Incl. to be completed for single wall vessels, jackets vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
Girth _____ H.T. _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location (Top Bottom, Ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (conv. or conc.)
(a) _____
(b) _____
If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S. Size Number) (Describe or attach sketch)

7. Jacket Closure: _____
(Describe as ogee and weld, bar, etc. if bar give dimensions, if bolts, describe or sketch)

8. Design pressure ² _____ 1250 psi at _____ 575 ° F at temp of _____ ° F
Drop Weight _____
Charpy Impact _____ ft-lb

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)
Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage Number _____ Type _____
(Str. or U)

Items 11 - 14 Incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

12. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
Girth _____ H.T. _____ R.T. _____ No. of Courses _____

13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (conv. or conc.)
(a) Top, bottom, ends _____
(b) Channel _____
If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)

14. Design pressure ² _____ psi at _____ ° F at temp of _____ ° F
Drop Weight _____
Charpy Impact _____ ft-lb

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

16. Nozzles: Purpose (Inlet, Outlet, Drain) Number Dia. or Size Type Material Thickness Reinforcement Material How Attached

17. Inspection Manholes, No. _____ Size _____ Location _____
Openings: Handholes, No. _____ Size _____ Location _____
Threaded, No. _____ Size _____ Location _____

18. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

1 - If Postweld Heat-Treated.

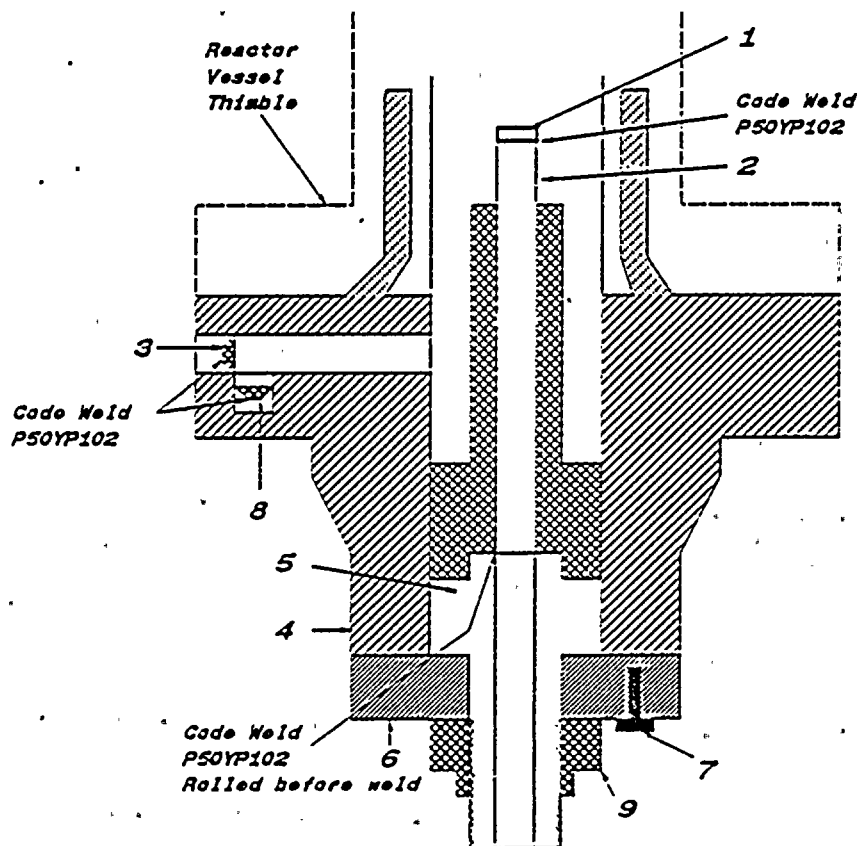
2 - Use other internal or external pressure with coincident temperature when applicable.

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)
2117 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for : WNP 2 Richland, Washington 99352
(Name and Address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A8922 Nat'l Bd. No. N/A
 - (a) Constructed According to Drawing No: 919D258G003 Rev 17 Dwg. Prepared by D. L. Peterson
 - (b) Description of Part Inspected: Cylinder Tube & Flange
 - (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207 1361-2 Class 1
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi, min.
(Brief description of service for which component was designed)

Sheet 2 of 2

1. Cap 166B9274P001
SA182 - F304
3/8" thick x 1 1/16" OD
2. Indicator Tube 166B9313P001
SA312 - TP316
3/4" sch 40 - seamless pipe
0.113" wall thickness
1.065" max. dia.
3. Plug 159A1176P001
SA182 - F304
1/4" thick x 0.812" OD
4. Flange 919D610P001 (719E474)
SA182 - F304
3.37" thick x 9 5/8" OD
5. Base 137C5311P001
SA182 - F304
7/8" thick x 2.875" dia.
6. Ring Flange 114B5122P002, P003
137C3151P001, P002
SA182 - F304
1" thick x 5.0" OD x 1.75" ID
7. Cap Screw 117C4516P002
SA193 - B6
6 ea. 1/2" dia. on 4 1/8" bolt circle
8. Plug 175A7961P001
SA182 - F304
0.38" thick x 1.307" dia.
9. Nut 137C5934P001
XM - 19 SA479
1.30" thick x 2.62" dia.





WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 5869

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: Control Rod Drive (CRD)
5. (a) Applicable Construction Code ASME Section III Code Class 1, 1971 Edition with no Addenda, Code Case: 1361-1
(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: 6/12/92
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
CRD CT&F	GE GE	6401 A8926	N/A N/A	N/A N/A	1975 1991	Replaced Replacement	Yes, Code Class 1 Yes, Code Class 1

7. Description of Work: Overhauled Control Rod Drive (CRD) Serial No 6401. The overhaul work was performed as follows
- 1) Disassembled CRD assembly for overhaul
 - 2) Performed PT examination on the Cylinder Tube and Flange (CT&F) assembly. PT examination results unacceptable
 - 3) Reassembled CRD parts and installed new CT&F assembly Serial No A8926

NOTES -

- 1) The existing Control Rod Drive (CRD) Serial No 6401, ASME Section III, Code Class 1, 1971 Edition with no Addenda, Code Case 1361-1
- 2) The new Cylinder Tube and Flange (CT&F) Serial No A8926, ASME Section III, Code Class 1, 1974 Edition with Winter 1975 Addenda, Code Case N207, 1361-2
- 3) The entire CRD assembly is now identified by the new CT&F Serial No A8926



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 5869

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 N-2 Code Data Report for new Cylinder Tube and Flange (CT&F) assembly Serial No A8926

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 L. Smith Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 6/15/92 Date 6-15-92

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 5/6/92 to 6/15/92 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 6-15-92

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)
2117 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for : WNP 2 Richland, Washington 99352
(Name and Address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A8926 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No: 919D258G003 Rev 17 Dwg. Prepared by D. L. Peterson
- (b) Description of Part Inspected: Cylinder Tube & Flange
- (c) Applicable ASME Code: Section III , Edition 1974 , Addenda Date W'75 , Case No. N207 1361-2 Class 1
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 1 of 2

We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).

Date: 10/23/91

Signed GE - NEBG - NF & CM - QA
(NPT Certificate Holder)

By [Signature]
(SC QA Representative)

Certificate of Authorization Expires: 6/16/93 Certification of Authorization No. : NPT N - 1151

Certification of Design for Appurtenance

Design information on file at GE Company, San Jose, California

Stress analysis report on file at GE Company, San Jose, California

DC22A6253 Rev. 1

Design specification certified by Bjorn Haaberg Prof. Eng. State Calif. Reg. No. 15570

DC22A6254 Rev 1

Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. M018646

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 10/23, 1991 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

10/23, 1991
Date

[Signature]
Inspector's Signature

NC 1231, Ohio, WC 3686 PA
National Board, State, Province And No.

*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

FORM N-2 (back)

Items 4-8 Incl. to be completed for single wall vessels, jackets vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
Girth _____ H.T. _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location (Top Bottom, Ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (conv. or conc.)
(a) _____
(b) _____
If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S. Size Number) (Describe or attach sketch)

7. Jacket Closure: _____
(Describe as ogee and weld, bar, etc. if bar give dimensions, if bolts, describe or sketch)
Drop Weight _____
Charpy Impact _____ ft-lb

8. Design pressure ² _____ 1250 psi at _____ 575 ° F at temp of _____ ° F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)
Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(Str. or U)

Items 11 - 14 Incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

12. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
Girth _____ H.T. _____ R.T. _____ No. of Courses _____

13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (conv. or conc.)
(a) Top, bottom, ends _____
(b) Channel _____
If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)
Drop Weight _____
Charpy Impact _____ ft-lb

14. Design pressure ² _____ psi at _____ ° F at temp of _____ ° F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

16. Nozzles: Purpose (Inlet, Outlet, Drain) Number Dia. or Size Type Material Thickness Reinforcement Material How Attached

17. Inspection Manholes, No. _____ Size _____ Location _____
Openings: Handholes, No. _____ Size _____ Location _____
Threaded, No. _____ Size _____ Location _____

18. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

1 - if Postweld Heat-Treated.

2 - Use other internal or external pressure with coincident temperature when applicable.

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)
2117 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)

(b) Manufactured for : WNP 2 Richland, Washington 99352
(Name and Address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part : A8926 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No: 919D258G003 Rev 17 Dwg. Prepared by D. L. Peterson

(b) Description of Part Inspected: Cylinder Tube & Flange

(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207 1361-2 Class 1

3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 2 of 2

1. Cap 166B9274P001
SA182 - F304
3/8" thick x 1 1/16" OD

2. Indicator Tube 166B9313P001
SA312 - TP316
3/4" sch 40 - seamless pipe
0.113" wall thickness
1.065" max. dia.

3. Plug 159A1176P001
SA182 - F304
1/4" thick x 0.812" OD

4. Flange 919D610P001 (719E474)
SA182 - F304
3.37" thick x 9 5/8" OD

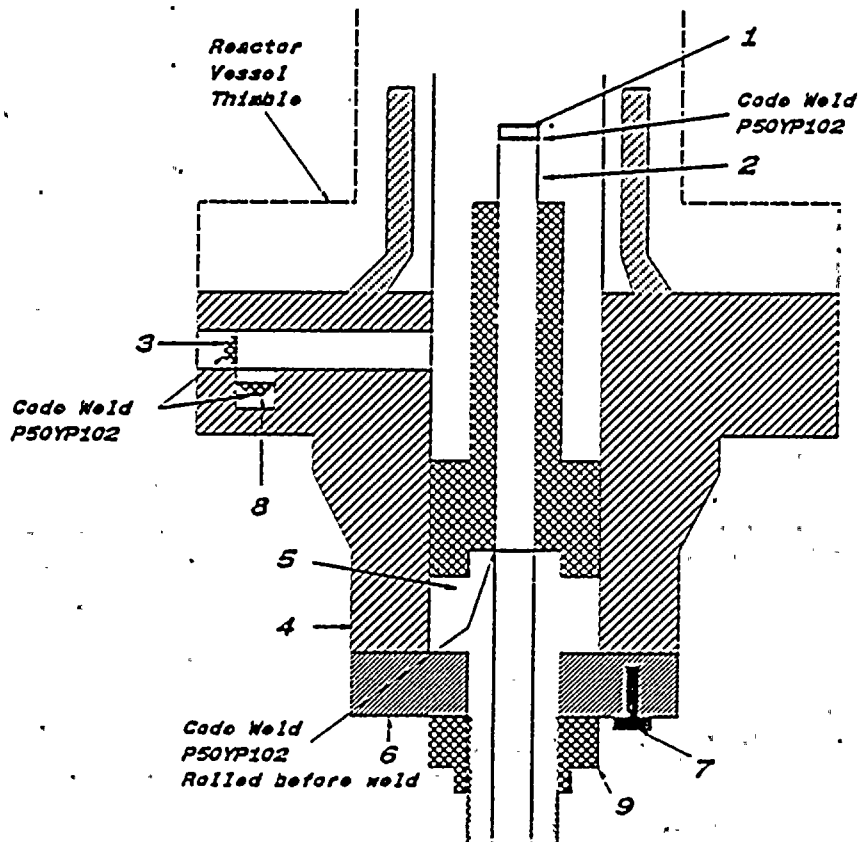
5. Base 137C5311P001
SA182 - F304
7/8" thick x 2.875" dia.

6. Ring Flange 114B5122P002, P003
137C8151P001, P002
SA182 - F304
1" thick x 5.0" OD x 1.75" ID

7. Cap Screw 117C4516P002
SA193 - B6
6 ea. 1/2" dia. on 4 1/8" bolt circle

8. Plug 175A7961P001
SA182 - F304
0.38" thick x 1.307" dia.

9. Nut 137C5934P001
XM - 19 SA479
1.30" thick x 2.62" dia.





WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 5870

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: Control Rod Drive (CRD)
5. (a) Applicable Construction Code ASME Section III Code Class 1, 1971 Edition with no Addenda, Code Case: 1361-1
(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: 6/12/92
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
CRD CT&F	GE GE	5118 A9158	N/A N/A	N/A N/A	1974 1991	Replaced Replacement	Yes, Code Class 1 Yes, Code Class 1

7. Description of Work: Overhauled Control Rod Drive (CRD) Serial No 5118. The overhaul work was performed as follows
- 1) Disassembled CRD assembly for overhaul
 - 2) The Cylinder Tube and Flange (CT&F) assembly was evaluated to be unacceptable by visual examination
 - 3) Reassembled CRD parts and installed new CT&F assembly Serial No A9158

NOTES -

- 1) The existing Control Rod Drive (CRD) Serial No 5118, ASME Section III, Code Class 1, 1971 Edition with no Addenda, Code Case 1361-1
- 2) The new Cylinder Tube and Flange (CT&F) Serial No A9158, ASME Section III, Code Class 1, 1974 Edition with Winter 1975 Addenda, Code Case N207, 1361-2
- 3) The entire CRD assembly is now identified by the new CT&F Serial No A9158



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 5870

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 N-2 Code Data Report for new Cylinder Tube and Flange (CT&F) assembly Serial No A9158

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 Quaidip S. Sub
Materials And Inspections

Signed by

[Signature]
Plant Technical Manager

Date 6/15/92

Date

6-15-92

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 5-6-92 to 6-15-92 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

9556 W NBI
National Board, State, and Endorsements

Date 6-15-92

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)
2117 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for : WNP 2 Richland, Washington 99352
(Name and Address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A9158 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No: 919D258G003 Rev 17 Dwg. Prepared by D. L. Peterson
- (b) Description of Part Inspected: Cylinder Tube & Flange
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda Data W75, Case No. N207 1361-2, Class 1
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 1 of 2

We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).

Date: 11/18/91

Signed GE - NEBG - NF & CM - QA
(NPT Certificate Holder)

By [Signature]
(SC QA Representative)

Certificate of Authorization Expires: 6/16/93 Certification of Authorization No. : NPT N-1151

Certification of Design for Appurtenance

Design information on file at GE Company, San Jose, California

Stress analysis report on file at GE Company, San Jose, California

DC22A6253 Rev. 1

Design specification certified by Biorn Haaberg Prof. Eng. State Calif. Reg. No. 15570

DC22A6254 Rev 1

Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. M018646

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 11/15, 1991 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

11/18, 1991
Date

[Signature]
Inspector's Signature

NC 1231, Ohio, WC 3686 PA
National Board, State, Province And No.

Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

(07/90)

FORM N-2 (back)

Items 4-8 Incl. to be completed for single wall vessels, jackets vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
Girth _____ H.T. _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location (Top Bottom, Ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (conv. or conc.)
(a) _____
(b) _____
If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S. Size Number) (Describe or attach sketch)

7. Jacket Closure: _____
(Describe as ogee and weld, bar, etc. If bar give dimensions, if bolts, describe or sketch)
Drop Weight _____ ft-lb
Charpy Impact _____ ° F

8. Design pressure ² _____ 1250 psi at _____ 575 ° F at temp of _____ ° F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)
Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(Str. or U)

Items 11 - 14 Incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

12. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
Girth _____ H.T. _____ R.T. _____ No. of Courses _____

13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (conv. or conc.)
(a) Top, bottom, ends _____
(b) Channel _____
If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)
Drop Weight _____ ft-lb
Charpy Impact _____ ° F

14. Design pressure ² _____ psi at _____ ° F at temp of _____ ° F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

16. Nozzles: Purpose (Inlet, Outlet, Drain) Number Dia. or Size Type Material Thickness Reinforcement Material How Attached

17. Inspection Openings: Manholes. No. _____ Size _____ Location _____
Handholes. No. _____ Size _____ Location _____
Threaded. No. _____ Size _____ Location _____

18. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

1 - If Postweld Heat-Treated.

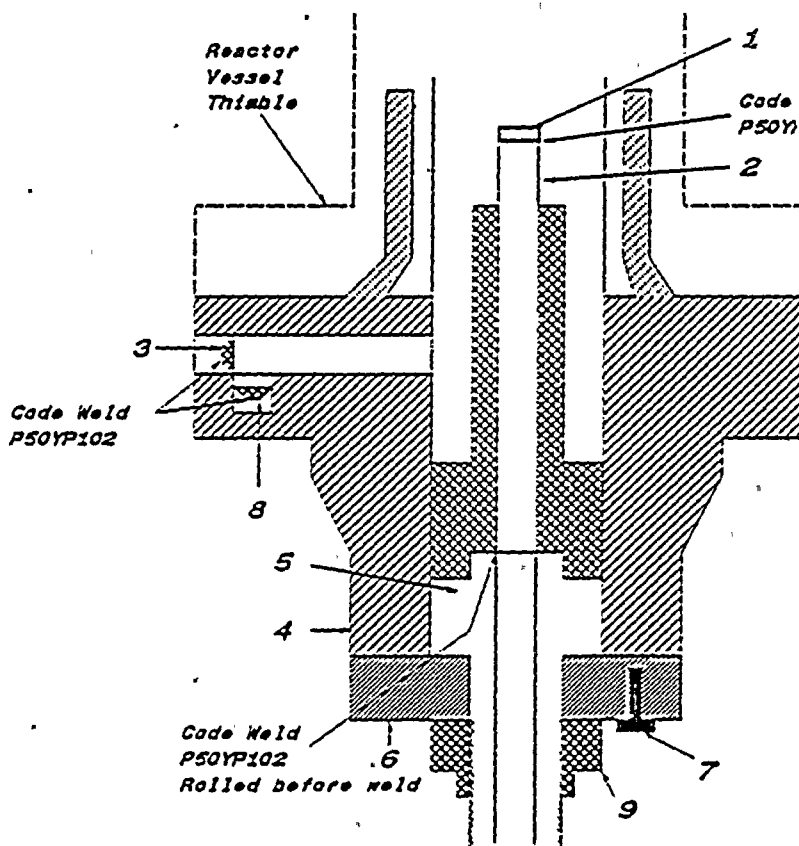
2 - Use other internal or external pressure with coincident temperature when applicable.

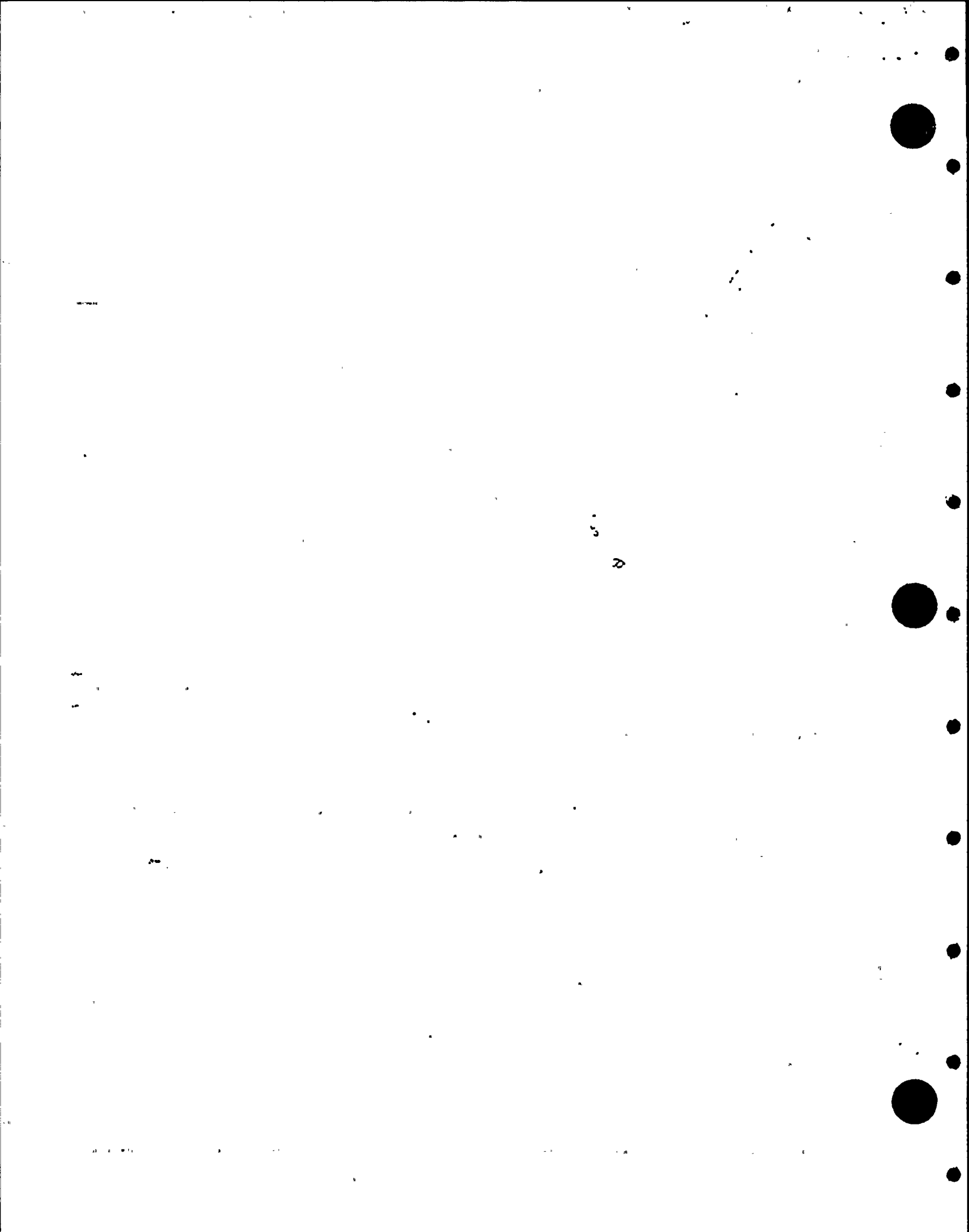
FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES
As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF
2117 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for : WNP 2 Richland, Washington 99352
(Name and Address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A9158 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No: 919D258G003 Rev 17 Dwg. Prepared by D. L. Peterson
- (b) Description of Part Inspected: Cylinder Tube & Flange
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207 1361-2 Class
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 2 of 2

1. Cap 166B9274P001
SA182 - F304
3/8" thick x 1 1/16" OD
2. Indicator Tube 166B9313P001
SA312 - TP316
3/4" sch 40 - seamless pipe
0.113" wall thickness
1.065" max. dia.
3. Plug 159A1176P001
SA182 - F304
1/4" thick x 0.812" OD
4. Flange 919D610P001 (719E474)
SA182 - F304
3.37" thick x 9 5/8" OD
5. Base 137C5311P001
SA182 - F304
7/8" thick x 2.875" dia.
6. Ring Flange 114B5122P002, P003
137C3151P001, P002
SA182 - F304
1" thick x 5.0" OD x 1.75" ID
7. Cap Screw 117C4516P002
SA193 - B6
6 ea. 1/2" dia. on 4 1/8" bolt circle
8. Plug 175A7961P001
SA182 - F304
0.38" thick x 1.307" dia.
9. Nut 137C5934P001
XM - 19 SA479
1.30" thick x 2.62" dia.







WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 5873

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: Control Rod Drive (CRD)
5. (a) Applicable Construction Code ASME Section III Code Class 1, 1971 Edition with no Addenda, Code Case: 1361-1
(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: 6/12/92
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
CRD CT&F	GE GE	7303 A9131	N/A N/A	N/A N/A	1975 1991	Replaced Replacement	Yes, Code Class 1 Yes, Code Class 1

7. Description of Work: Overhauled Control Rod Drive (CRD) Serial No 7303. The overhaul work was performed as follows
- 1) Disassembled CRD assembly for overhaul
 - 2) Performed PT examination on the Cylinder Tube and Flange (CT&F) assembly. PT examination results unacceptable
 - 3) Reassembled CRD parts and installed new CT&F assembly Serial No A9131

NOTES -

- 1) The existing Control Rod Drive (CRD) Serial No 7303, ASME Section III, Code Class 1, 1971 Edition with no Addenda, Code Case 1361-1
- 2) The new Cylinder Tube and Flange (CT&F) Serial No A9131, ASME Section III, Code Class 1, 1974 Edition with Winter 1975 Addenda, Code Case N207, 1361-2
- 3) The entire CRD assembly is now identified by the new CT&F Serial No A9131



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 5873

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 N-2 Code Data Report for new Cylinder Tube and Flange (CT&F) assembly Serial No A9131

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 Quaid Supb Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 6/15/92 Date 6-15-92

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 5-7-92 to 6-15-92 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 9536 W NBI
Inspector's Signature National Board, State, and Endorsements
Date 6-15-92

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)
2117 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for : WNP 2 Richland, Washington 99352
(Name and Address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A9131 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No: 919D258G003 Rev 17 Dwg. Prepared by D. L. Peterson
- (b) Description of Part Inspected: Cylinder Tube & Flange
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. N207 1361-2 Class 1
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 1 of 2

We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).

Date: 11/18/91

Signed GE-NEEG-NF & CM-OA
(NPT Certificate Holder)

By [Signature]
(SC QA Representative)

Certificate of Authorization Expires: 6/16/93 Certification of Authorization No. : NPT N-1151

Certification of Design for Appurtenance

Design information on file at GE Company, San Jose, California

Stress analysis report on file at GE Company, San Jose, California

OC22A6253 Rev. 1

Design specification certified by Blorn Haaberg Prof. Eng. State Calif. Reg. No. 15570

OC22A6254 Rev 1

Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. M018646

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 11/15, 1991, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

11/18, 1991
Date

[Signature]
Inspector's Signature

NC 1231, Ohio, WC 3686 PA
National Board, State, Province And No.

Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3: "REMARKS".

(97/90)

FORM N-2 (back)

Items 4-8 Incl. to be completed for single wall vessels, jackets vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
Girth _____ H.T. _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

	Location (Top Bottom, Ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Concial Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (conv. or conc.)
(a)	_____	_____	_____	_____	_____	_____	_____	_____	_____
(b)	_____	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S. Size Number) (Describe or attach sketch)

7. Jacket Closure: _____
(Describe as ogee and weld, bar, etc. if bar give dimensions, if bolts, describe or sketch)

3. Design pressure ² _____ 1250 _____ psi at _____ 575 _____ ° F at temp of _____ ° F
Drop Weight _____
Charpy Impact _____ ft-lb

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)
Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(Str. or U)

Items 11 - 14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

1. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

2. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
Girth _____ H.T. _____ R.T. _____ No. of Courses _____

3. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

	Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Concial Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (conv. or conc.)
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)

4. Design pressure ² _____ psi at _____ ° F at temp of _____ ° F
Drop Weight _____
Charpy Impact _____ ft-lb

Items below to be completed for all vessels where applicable.

5. Safety Valve Outlets: Number _____ Size _____ Location _____

Purpose (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

7. Inspection Manholes, No. _____ Size _____ Location _____
Openings: Handholes, No. _____ Size _____ Location _____
Threaded, No. _____ Size _____ Location _____

8. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

1 - If Postweld Heat-Treated.

2 - List other internal or external pressure with coincident temperature when applicable.

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)

2117 Castle Hayne Road, Wilmington, North Carolina 28401

(Name and Address of NPT Certificate Holder)

(b) Manufactured for : WNP 2 Richland, Washington 99352

(Name and Address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part : A9131 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No: 919D258G003 Rev 17 Dwg. Prepared by D. L. Peterson

(b) Description of Part Inspected: Cylinder Tube & Flange

(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. N207 1361-2 Class 1

3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.

(Brief description of service for which component was designed)

Sheet 2 of 2

1. Cap 166B9274P001
SA182 - F304
3/8" thick x 1 1/16" OD

2. Indicator Tube 166B9313P001
SA312 - TP316
3/4" sch 40 - seamless pipe
0.113" wall thickness
1.065" max. dia.

3. Plug 159A1176P001
SA182 - F304
1/4" thick x 0.812" OD

4. Flange 919D610P001 (719E474)
SA182 - F304
3.37" thick x 9 5/8" OD

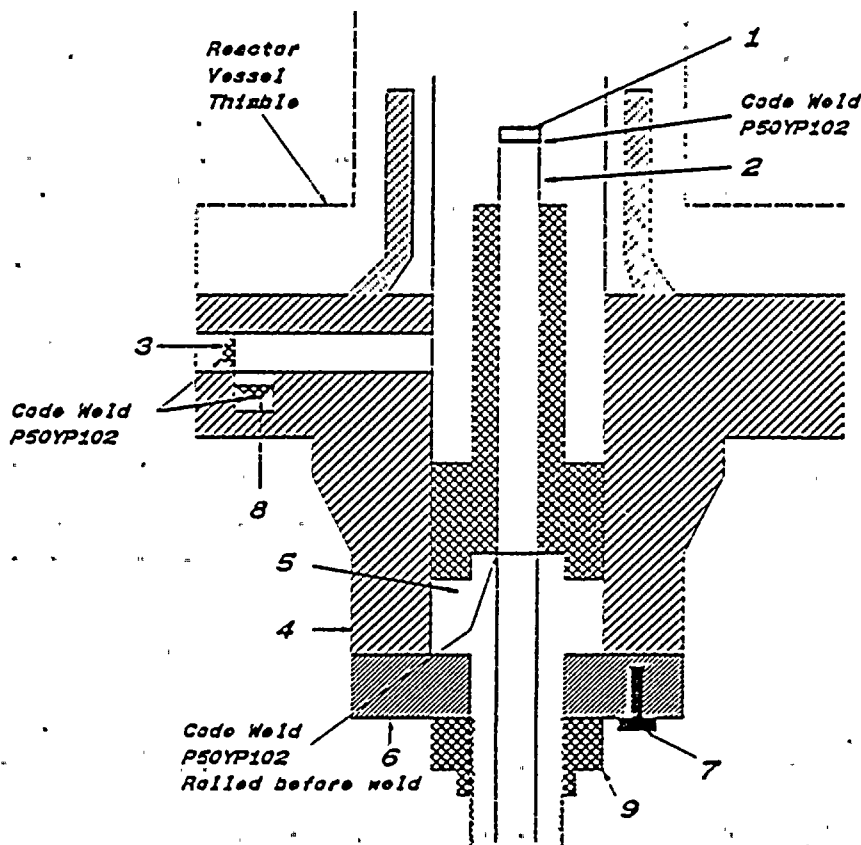
5. Base 137C5311P001
SA182 - F304
7/8" thick x 2.875" dia.

6. Ring Flange 114B5122P002, P003
137C8151P001, P002
SA182 - F304
1" thick x 5.0" OD x 1.75" ID

7. Cap Screw 117C4516P002
SA193 - B6
6 ea. 1/2" dia. on 4 1/8" bolt circle

8. Plug 175A7961P001
SA182 - F304
0.38" thick x 1.307" dia.

9. Nut 137C5934P001
XM - 19 SA479
1.30" thick x 2.62" dia.





WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 5878

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: Control Rod Drive (CRD)
5. (a) Applicable Construction Code ASME Section III Code Class 1, 1971 Edition with no Addenda, Code Case: 1361-1
(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: 6/12/92
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
CRD CT&F	GE GE	6455 A9154	N/A N/A	N/A N/A	1974 1991	Replaced Replacement	Yes, Code Class 1 Yes, Code Class 1

7. Description of Work: Overhauled Control Rod Drive (CRD) Serial No 6455. The overhaul work was performed as follows
- 1) Disassembled CRD assembly for overhaul
 - 2) Performed PT examination on the Cylinder Tube and Flange (CT&F) assembly. PT examination results unacceptable
 - 3) Reassembled CRD parts and installed new CT&F assembly Serial No A9154

NOTES -

- 1) The existing Control Rod Drive (CRD) Serial No 6455, ASME Section III, Code Class 1, 1971 Edition with no Addenda, Code Case 1361-1
- 2) The new Cylinder Tube and Flange (CT&F) Serial No A9154, ASME Section III, Code Class 1, 1974 Edition with Winter 1975 Addenda, Code Case N207, 1361-2
- 3) The entire CRD assembly is now identified by the new CT&F Serial No A9154



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 5878

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 N-2 Code Data Report for new Cylinder Tube and Flange (CT&F) assembly Serial No A9154

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 S. Sipe Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 6/15/92 Date 6-15-92

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 5-6-92 to 6-15-92 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 6-15-92

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)
2117 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for : WNP 2 Richland, Washington 99352
(Name and Address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A9154 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No: 919D258G003 Rev 17 Dwg. Prepared by D. L. Peterson
- (b) Description of Part [inspected: Cylinder Tube & Flange
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207 1361-2 Class 1
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 1 of 2

We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).

Date: 11/18/91

Signed GE - NEBG - NF & CM - QA
(NPT Certificate Holder)

By [Signature]
(QA Representative)

Certificate of Authorization Expires: 6/16/93 Certification of Authorization No. : NPT N - 1151

Certification of Design for Appurtenance

Design information on file at GE Company, San Jose, California

Stress analysis report on file at GE Company, San Jose, California

OC22A6253 Rev. 1

Design specification certified by Blorn Haaberg Prof. Eng. State Calif. Reg. No. 15570

OC22A6254 Rev 1

Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. M018646

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 11/15, 1991, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

11/18, 1991
Date

[Signature]
Inspector's Signature

NC 1231, Ohio, WC 3686 PA
National Board, State, Province And No.

Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

(07/90)

FORM N-2 (back)

Items 4-8 Incl. to be completed for single wall vessels, jackets vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long _____ T.T. _____ R.T. _____ Efficiency _____ %
Girth _____ T.T. _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location (Top Bottom, Ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (conv. or conc.)
(a) _____
(b) _____
If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S. Size Number) (Describe or attach sketch)

7. Jacket Closure: _____
(Describe as gage and weld, bar, etc. if bar give dimensions, if bolts, describe or sketch)
Drop Weight _____ ft-lb
Charpy Impact _____ ° F

8. Design pressure ² _____ psi at _____ ° F at temp of _____ ° F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)
Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ J.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(Str. or U)

Items 11 - 14 Incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

1. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

2. Seams: Long _____ T.T. _____ R.T. _____ Efficiency _____ %
Girth _____ T.T. _____ R.T. _____ No. of Courses _____

3. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (conv. or conc.)
(a) Top, bottom, ends _____
(b) Channel _____
If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)
Drop Weight _____ ft-lb
Charpy Impact _____ ° F

4. Design pressure ² _____ psi at _____ ° F at temp of _____ ° F

Items below to be completed for all vessels where applicable.

5. Safety Valve Outlets: Number _____ Size _____ Location _____

6. Nozzles: Purpose (Inlet, Outlet, Drain) Number Dia. or Size Type Material Thickness Reinforcement Material How Attached

7. Inspection Manholes, No. _____ Size _____ Location _____
Openings: Handholes, No. _____ Size _____ Location _____
Threaded, No. _____ Size _____ Location _____

8. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

1 - If Postweld Heat-Treated.

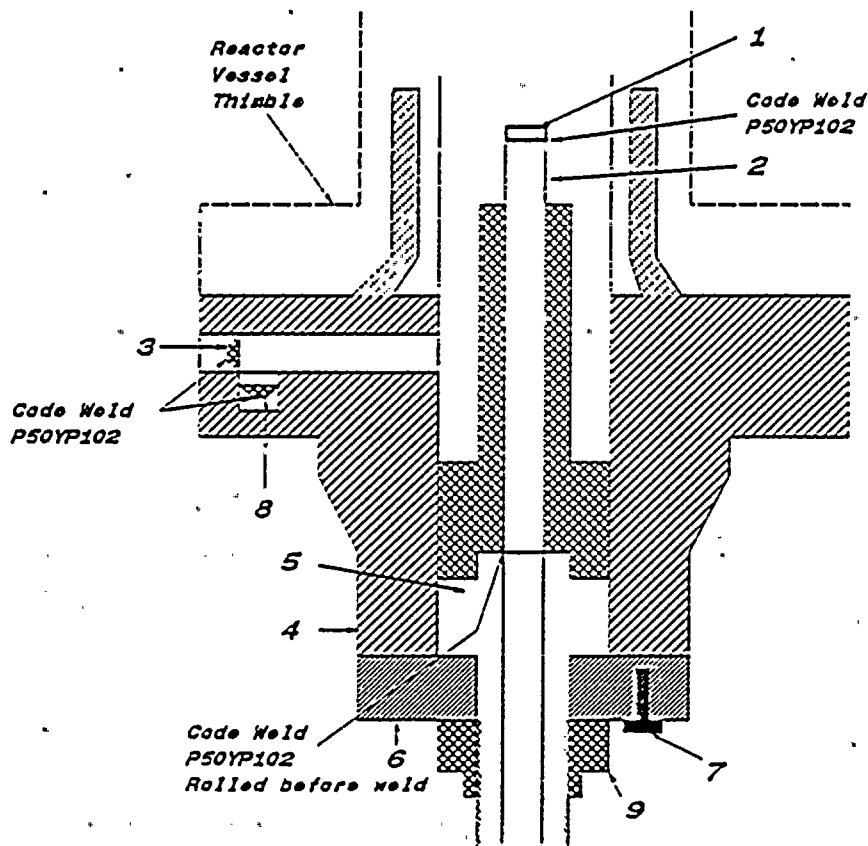
2 - List other internal or external pressure with corresponding temperature when applicable.

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)
2117 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for : WNP 2 Richland, Washington 99352
(Name and Address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A9154 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No: 919D258G003 Rev 17 Dwg. Prepared by D. L. Peterson
- (b) Description of Part Inspected: Cylinder Tube & Flange
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207 1361-2 Class 1
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 2 of 2

1. Cap 166B9274P001
SA182 - F304
3/8" thick x 1 1/16" OD
2. Indicator Tube 166B9313P001
SA312 - TP316
3/4" sch 40 - seamless pipe
0.113" wall thickness
1.065" max. dia.
3. Plug 159A1176P001
SA182 - F304
1/4" thick x 0.812" OD
4. Flange 919D610P001 (719E474)
SA182 - F304
3.37" thick x 9 5/8" OD
5. Base 137C5311P001
SA182 - F304
7/8" thick x 2.875" dia.
6. Ring Flange 114B5122P002, P003
137C8151P001, P002
SA182 - F304
1" thick x 5.0" OD x 1.75" ID
7. Cap Screw 117C4516P002
SA193 - B6
6 ea. 1/2" dia. on 4 1/8" bolt circle
8. Plug 175A7961P001
SA182 - F304
0.38" thick x 1.307" dia.
9. Nut 137C5934P001
XM - 19 SA479
1.30" thick x 2.62" dia.





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: Control Rod Drive (CRD)
5. (a) Applicable Construction Code ASME Section III Code Class 1, 1971 Edition with no Addenda, Code Case: 1361-1
(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: 6/12/92
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
CRD CT&F	GE GE	7362 A8900	N/A N/A	N/A N/A	1975 1991	Replaced Replacement	Yes, Code Class 1 Yes, Code Class 1

7. Description of Work: Overhauled Control Rod Drive (CRD) Serial No 7362. The overhaul work was performed as follows
- 1) Disassembled CRD assembly for overhaul
 - 2) The Cylinder Tube and Flange (CT&F) assembly was evaluated to be unacceptable due to stuck cooling water orifice
 - 3) Reassembled CRD parts and installed new CT&F assembly Serial No A8900

NOTES -

- 1) The existing Control Rod Drive (CRD) Serial No 7362, ASME Section III, Code Class 1, 1971 Edition with no Addenda, Code Case 1361-1
- 2) The new Cylinder Tube and Flange (CT&F) Serial No A8900, ASME Section III, Code Class 1, 1974 Edition with Winter 1975 Addenda, Code Case N207, 1361-2
- 3) The entire CRD assembly is now identified by the new CT&F Serial No A8900



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 5879

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 N-2 Code Data Report for new Cylinder Tube and Flange (CT&F) assembly Serial No A8900

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 Quaid P. Quaid Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 6/15/92 Date 6-15-92

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 5-7-92 to 6-15-92 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 9550W NBI
Inspector's Signature National Board, State, and Endorsements
Date 6-15-92

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)
2117 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)

(b) Manufactured for : WNP 2 Richland, Washington 99352
(Name and Address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part : A8900 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No: 919D258G003 Rev 17 Dwg. Prepared by D. L. Peterson

(b) Description of Part Inspected: Cylinder Tube & Flange

(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. N207 1361-2 Class 1

3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 1 of 2

We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).

Date: 06/14/91

Signed GE - NEBG - NF & CM - QA
(NPT Certificate Holder)

By [Signature]
(SC Co Representative)

Certificate of Authorization Expires: 6/16/93 Certification of Authorization No. : NPT N - 1151

Certification of Design for Appurtenance

Design information on file at GE Company, San Jose, California

Stress analysis report on file at GE Company, San Jose, California

OC22A6253 Rev. 1

Design specification certified by Bjorn Haaberg Prof. Eng. State Calif. Reg. No. 15570

OG22A6254 Rev 1

Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. M018646

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 6/16, 1991, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

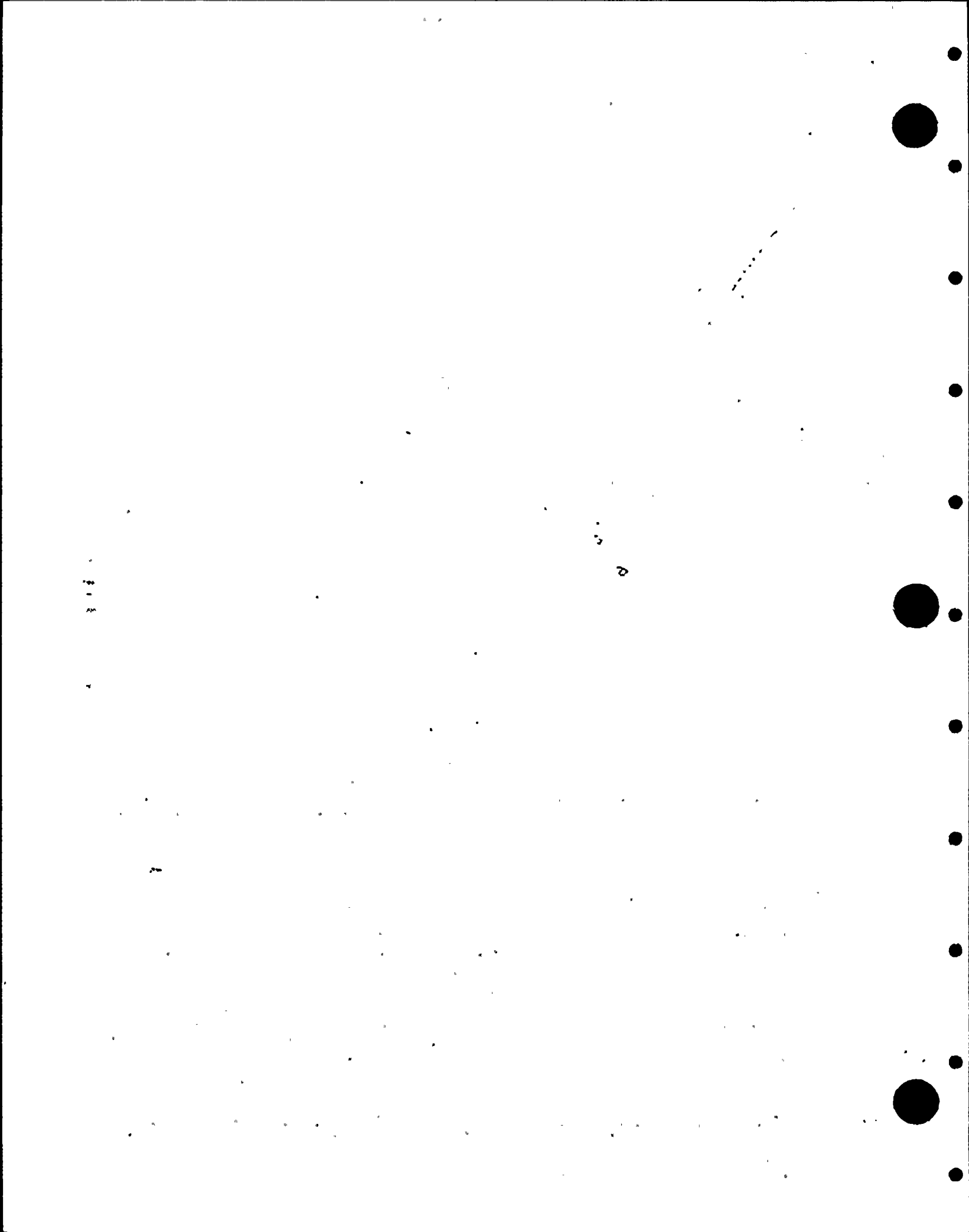
6/14, 1991
Date

[Signature]
Inspector's Signature

NC 1231, Ohio
National Board, State, Province And No.

*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

(07/90)



FORM N-2 (back)

S/N A 8900

Revised 12/19/91

Items 4-8 Incl. to be completed for single wall vessels, jackets vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
Girth _____ H.T. _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location (Top Crown Knuckle Elliptical Conical Hemispherical Flat Side to Press.
Bottom, Ends) Thickness Radius Radius Ratio Apex Angle Radius Diameter (conv. or conc.)
(a) _____
(b) _____
If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S. Size Number) (Describe or attach sketch)

7. Jacket Closure: _____
(Describe as ogee and weld, bar, etc. if bar give dimensions, if bolts, describe or sketch)

Drop Weight _____
Charpy Impact _____ ft-lb

8. Design pressure ² _____ 1250 _____ psi at _____ 575 _____ ° F at temp of _____ ° F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)
Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(Str. or U)

Items 11 - 14 Incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

12. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
Girth _____ H.T. _____ R.T. _____ No. of Courses _____

13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location Thickness Crown Knuckle Elliptical Conical Hemispherical Flat Side to Press.
(a) Top, bottom, ends _____ Radius Radius Ratio Apex Angle Radius Diameter (conv. or conc.)
(b) Channel _____
If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)

Drop Weight _____
Charpy Impact _____ ft-lb

14. Design pressure ² _____ psi at _____ ° F at temp of _____ ° F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

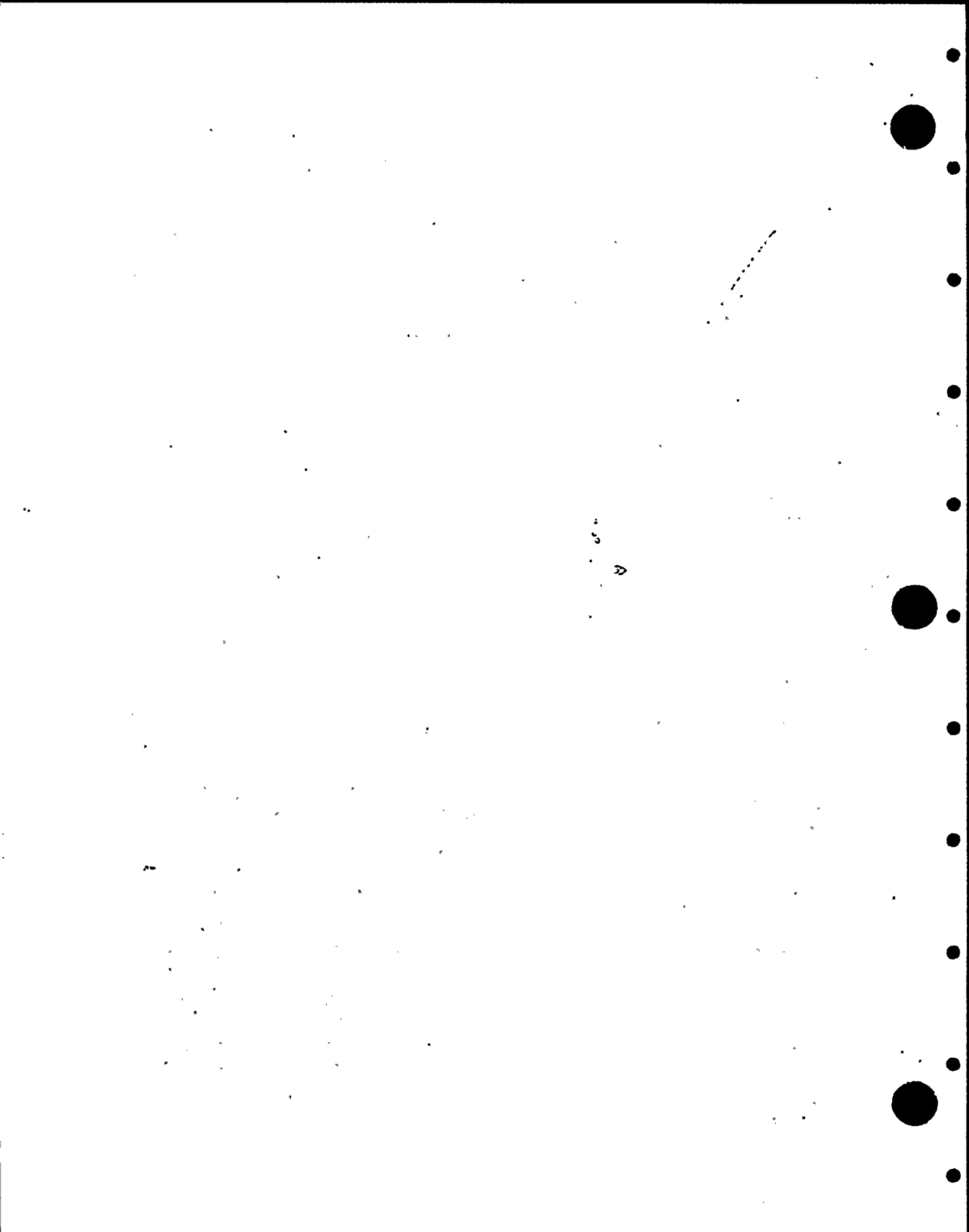
16. Nozzles: Purpose (Inlet, Outlet, Drain) Number Dia. or Size Type Material Thickness Reinforcement Material How Attached

17. Inspection Manholes, No. _____ Size _____ Location _____
Openings: Handholes, No. _____ Size _____ Location _____
Threaded, No. _____ Size _____ Location _____

Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

1 - If Postweld Heat-Treated.

2 - List other internal or external pressure with coincident temperature when applicable.



FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)
2117 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)

(b) Manufactured for : WNP 2 Richland, Washington 99352
(Name and Address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part : A8900 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No: 919D258G003 Rev 17 Dwg. Prepared by D. L. Peterson

(b) Description of Part Inspected: Cylinder Tube & Flange

(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207 1361-2 Class 1

3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 2 of 2

1. Cap 166B9274P001
SA182 - F304
3/8" thick x 1 1/16" OD

2. Indicator Tube 166B9313P001
SA312 - TP316
3/4" sch 40 - seamless pipe
0.113" wall thickness
1.065" max. dia.

3. Plug 159A1176P001
SA182 - F304
1/4" thick x 0.812" OD

4. Flange 919D610P001 (719E474)
SA182 - F304
3.37" thick x 9 5/8" OD

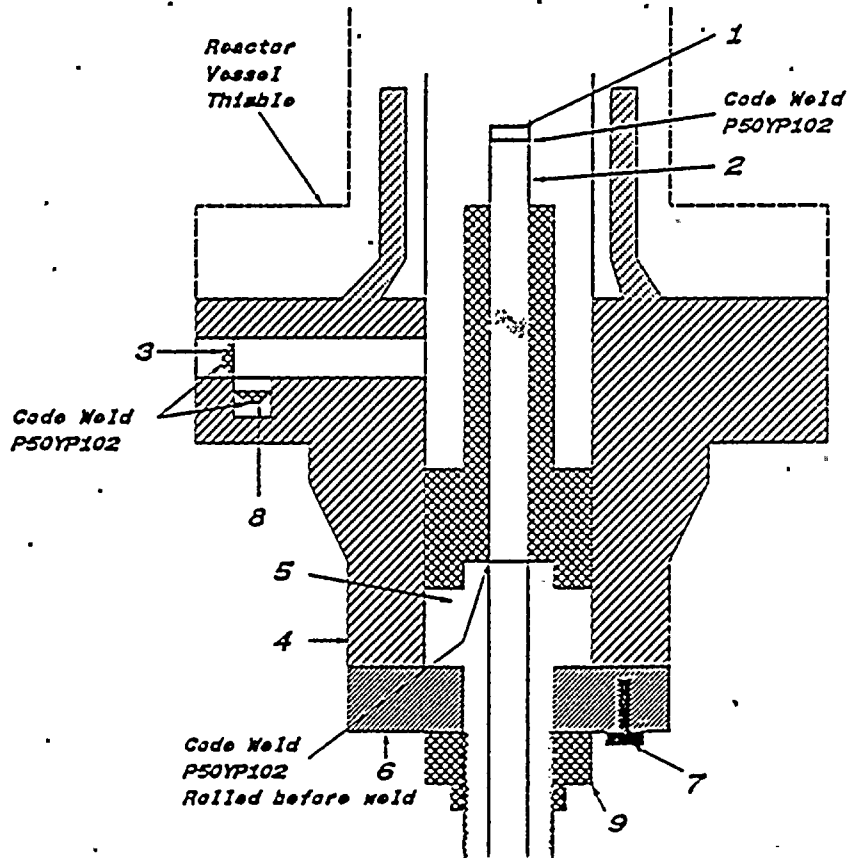
5. Base 137C5311P001
SA182 - F304
7/8" thick x 2.875" dia.

6. Ring Flange 114B5122P002, P003
137C8151P001, P002
SA182 - F304
1" thick x 5.0" OD x 1.75" ID

7. Cap Screw 117C4516P002
SA193 - B6
6 ea. 1/2" dia. on 4 1/8" bolt circle

8. Plug 175A7961P001
SA182 - F304
0.38" thick x 1.307" dia.

9. Nut 137C5934P001
XM - 19 SA479
1.30" thick x 2.62" dia.





WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 5889

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: Control Rod Drive (CRD)
5. (a) Applicable Construction Code ASME Section III Code Class 1, 1971 Edition with no Addenda, Code Case: 1361-1
(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: 6/12/92
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
CRD CT&F	GE GE	7108 A8932	N/A N/A	N/A N/A	1975 1991	Replaced Replacement	Yes, Code Class 1 Yes, Code Class 1

7. Description of Work: Overhauled Control Rod Drive (CRD) Serial No 7108. The overhaul work was performed as follows
- 1) Disassembled CRD assembly for overhaul
 - 2) Performed PT examination on the Cylinder Tube and Flange (CT&F) assembly. PT examination results acceptable. CT&F assembly was evaluated to be unacceptable due to stuck cooling water orifice
 - 3) Reassembled CRD parts and installed new CT&F assembly Serial No A8932

NOTES -

- 1) The existing Control Rod Drive (CRD) Serial No 7108, ASME Section III, Code Class 1, 1971 Edition with no Addenda, Code Case 1361-1
- 2) The new Cylinder Tube and Flange (CT&F) Serial No A8932 ASME Section III, Code Class 1, 1974 Edition with Winter 1975 Addenda, Code Case N207, 1361-2
- 3) The entire CRD assembly is now identified by the new CT&F Serial No A8932



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 5889

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 N-2 Code Data Report for new Cylinder Tube and Flange (CT&F) assembly Serial No A8932

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 Smith Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 6/15/92 Date 6-15-92

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 5-7-92 to 6-15-92 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 6-15-92

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)
2117 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for : WNP 2 Richland, Washington 99352
(Name and Address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A8932 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No: 919D258G003 Rev 17 Dwg. Prepared by D. L. Peterson
- (b) Description of Part Inspected: Cylinder Tube & Flange
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. N207 1361-2 Class 1
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 1 of 2

We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).

Date: 06/14/91

Signed GE-NEBG-NF & CM-OA
(NPT Certificate Holder)

By [Signature]
(SC QA Representative)

Certificate of Authorization Expires: 6/16/93 Certification of Authorization No. : NPTN-1151

Certification of Design for Appurtenance

Design information on file at GE Company, San Jose, California

Stress analysis report on file at GE Company, San Jose, California

DC22A6253 Rev. 1

Design specification certified by Bjorn Haaberg Prof. Eng. State Calif. Reg. No. 15570

DC22A6254 Rev 1

Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. M018646

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 6/16/91 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

6/14
Date

[Signature]
Inspector's Signature

NC 1231, Ohio
National Board, State, Province And No.

Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

4-8 Incl. to be completed for single wall vessels, jackets vessels, or shells of heat exchangers. *Quamp Sup 5*

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
Girth _____ H.T. _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

	Location (Top Bottom, Ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Concial Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (conv. or conc.)
(a)	_____	_____	_____	_____	_____	_____	_____	_____	_____
(b)	_____	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ (Material, Spec. No., T.S. Size Number) Other fastening _____ (Describe or attach sketch)

7. Jacket Closure: _____
(Describe as ogee and weld, bar, etc. if bar give dimensions, if bolts, describe or sketch)

Drop Weight _____
Charpy Impact _____ ft-lb

8. Design pressure ² _____ 1250 _____ psi at _____ 575 _____ ° F at temp of _____ ° F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)
Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(Str. or U)

Items 11 - 14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

12. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
Girth _____ H.T. _____ R.T. _____ No. of Courses _____

13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

	Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Concial Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (conv. or conc.)
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____ (Describe or attach sketch)

Drop Weight _____
Charpy Impact _____ ft-lb

14. Design pressure ² _____ psi at _____ ° F at temp of _____ ° F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

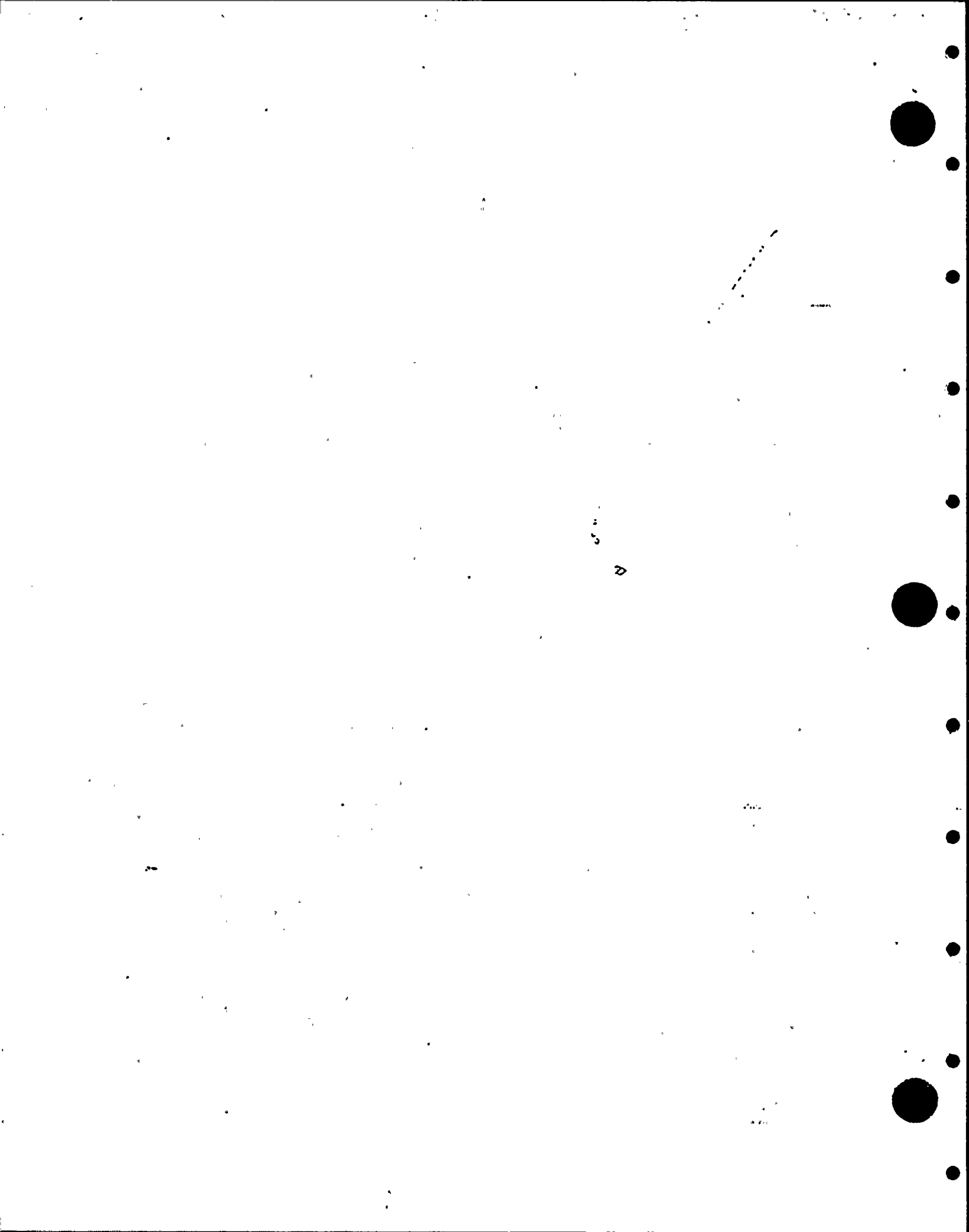
Nozzles: Purpose (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

17. Inspection Manholes, No. _____ Size _____ Location _____
Openings: Handholes, No. _____ Size _____ Location _____
Threaded, No. _____ Size _____ Location _____

18. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

1 - if Postweld Heat-Treated.

2 - Use other internal or external pressure with coincident temperature when applicable.



FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)

2117 Castle Hayne Road, Wilmington, North Carolina 28401

(Name and Address of NPT Certificate Holder)

(b) Manufactured for : WNP 2 Richland, Washington 99352
(Name and Address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part : A8932 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No: 919D258G003 Rev 17 Dwg. Prepared by D. L. Peterson

(b) Description of Part Inspected: Cylinder Tube & Flange

(c) Applicable ASME Code: Section III , Edition 1974 , Addenda Date W75 , Case No. N207 1361-2 Class 1

3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 2 of 2

1. Cap 166B9274P001
SA182 - F304
3/8" thick x 1 1/16" OD

2. Indicator Tube 166B9313P001
SA312 - TP316
3/4" sch 40 - seamless pipe
0.113" wall thickness
1.065" max. dia.

3. Plug 159A1176P001 *A18160*
SA182 - F304 *(33)*
1/4" thick x 0.812" OD

4. Flange 919D610P001 (719E474)
SA182 - F304 *76213*
3.37" thick x 9 5/8" OD

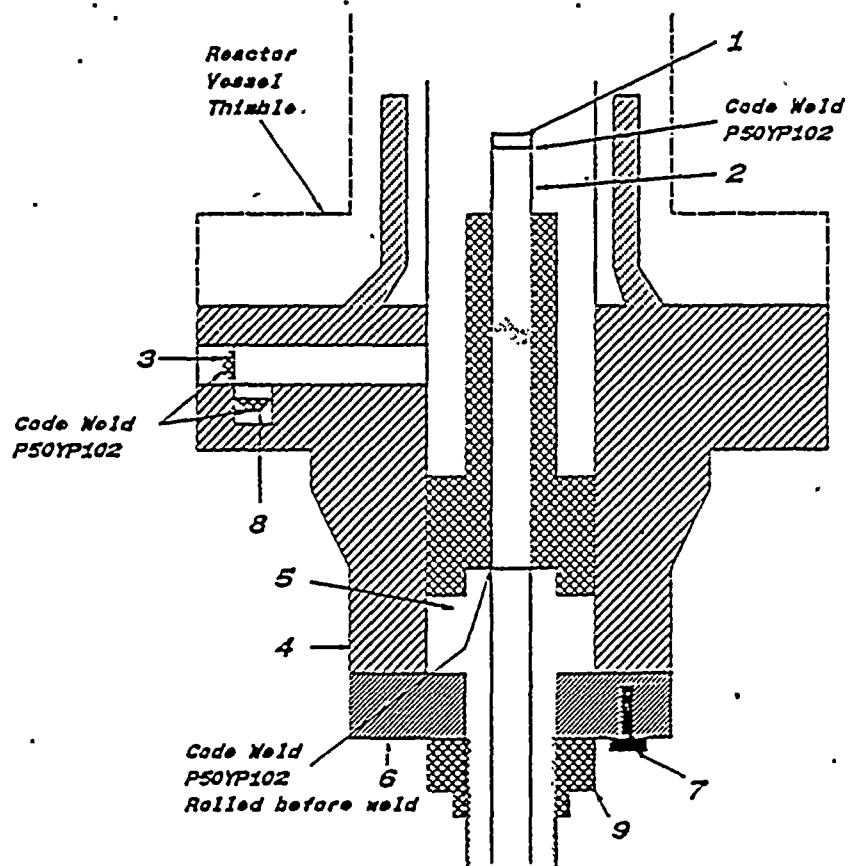
5. Base 137C5311P001
SA182 - F304
7/8" thick x 2.875" dia.

6. Ring Flange 114B5122P002, P003
137C8151P001, P002
SA182 - F304
1" thick x 5.0" OD x 1.75" ID

7. Cap Screw 117C4516P002
SA193 - B6
6 ea. 1/2" dia. on 4 1/8" bolt circle

8. Plug 175A7961P001 *EV*
SA182 - F304
0.38" thick x 1.307" dia.

9. Nut 137C5934P001
XM - 19 SA479
1.30" thick x 2.62" dia.





WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 5891

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: Control Rod Drive (CRD)
5. (a) Applicable Construction Code ASME Section III Code Class 1, 1971 Edition with no Addenda, Code Case: 1361-1
(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: 6/12/92
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
CRD CT&F	GE GE	6169 A8929	N/A N/A	N/A N/A	1975 1991	Replaced Replacement	Yes, Code Class 1 Yes, Code Class 1

7. Description of Work: Overhauled Control Rod Drive (CRD) Serial No 6169. The overhaul work was performed as follows
- 1) Disassembled CRD assembly for overhaul
 - 2) Performed PT examination on the Cylinder Tube and Flange (CT&F) assembly. PT examination results unacceptable
 - 3) Reassembled CRD parts and installed new CT&F assembly Serial No A8929

NOTES -

- 1) The existing Control Rod Drive (CRD) Serial No 6169, ASME Section III, Code Class 1, 1971 Edition with no Addenda, Code Case 1361-1
- 2) The new Cylinder Tube and Flange (CT&F) Serial No A8929, ASME Section III, Code Class 1, 1974 Edition with Winter 1975 Addenda, Code Case N207, 1361-2
- 3) The entire CRD assembly is now identified by the new CT&F Serial No A8929



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 5891

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 N-2 Code Data Report for new Cylinder Tube and Flange (CT&F) assembly Serial No A8929

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 Philip Smith
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 6/15/92

Date 6-15-92

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 5-6-92 to 6-15-92 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 9556 W NBI
National Board, State, and Endorsements

Date 6-15-92

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)
2117 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for : WNP 2 Richland, Washington 99352
(Name and Address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A8929 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No: 919D258G003 Rev 17 Dwg. Prepared by D. L. Peterson
- (b) Description of Part Inspected: Cylinder Tube & Flange
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207 1361-2 Class 1
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 1 of 2

We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).

Date: 10/23/91

Signed GE-NEBG-NF & CM-QA
(NPT Certificate Holder)

By [Signature]
(SC OR Representative)

Certificate of Authorization Expires: 6/16/93 Certification of Authorization No. : NPT N-1151

Certification of Design for Appurtenance

Design information on file at GE Company, San Jose, California

Stress analysis report on file at GE Company, San Jose, California

OC22A6253 Rev. 1

Design specification certified by Bjorn Hagberg Prof. Eng. State Calif. Reg. No. 15570

OC22A6254 Rev 1

Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. M018646

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 10/22, 1991, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

10/23, 1991
Date

[Signature]
Inspector's Signature

NC 1231, Ohio, WC 3686 PA
National Board, State, Province And No.

*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

(07/90)

FORM N-2 (back)

Items 4-8 Incl. to be completed for single wall vessels, jackets vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)
5. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
Girth _____ H.T. _____ R.T. _____ No. of Courses _____
6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location (Top Bottom, Ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (conv. or conc.)
(a) _____
(b) _____
If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S. Size Number) (Describe or attach sketch)
7. Jacket Closure: _____
(Describe as ogee and weld, bar, etc. If bar give dimensions, if bolts, describe or sketch)
Drop Weight _____
Charpy Impact _____ ft-lb
8. Design pressure ² _____ 1250 psi at _____ 575 ° F at temp of _____ ° F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)
Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____
10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(Str. or U)

Items 11 - 14 Incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)
12. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
Girth _____ H.T. _____ R.T. _____ No. of Courses _____
13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (conv. or conc.)
(a) Top, bottom, ends _____
(b) Channel _____
If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)
Drop Weight _____
Charpy Impact _____ ft-lb
14. Design pressure ² _____ psi at _____ ° F at temp of _____ ° F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____
16. Nozzles: Purpose (Inlet, Outlet, Drain) Number Dia. or Size Type Material Thickness Reinforcement Material How Attached

17. Inspection Manholes. No. _____ Size _____ Location _____
Openings: Handholes. No. _____ Size _____ Location _____
Threaded. No. _____ Size _____ Location _____
18. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

1 - If Postweld Heat-Treated.

2 - Use other internal or external pressure with coincident temperature when applicable.

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)

2117 Castle Hayne Road, Wilmington, North Carolina 28401

(Name and Address of NPT Certificate Holder)

(b) Manufactured for : WNP 2 Richland, Washington 99352
(Name and Address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part : A8929 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No: 919D258G003 Rev 17 Dwg. Prepared by D. L. Peterson

(b) Description of Part Inspected: Cylinder Tube & Flange

(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207 1361-2 Class 1

3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 2 of 2

1. Cap 166B9274P001
SA182 - F304
3/8" thick x 1 1/16" OD

2. Indicator Tube 166B9313P001
SA312 - TP316
3/4" sch 40 - seamless pipe
0.113" wall thickness
1.065" max. dia.

3. Plug 159A1176P001
SA182 - F304
1/4" thick x 0.812" OD

4. Flange 919D610P001 (719E474)
SA182 - F304
3.37" thick x 9 5/8" OD

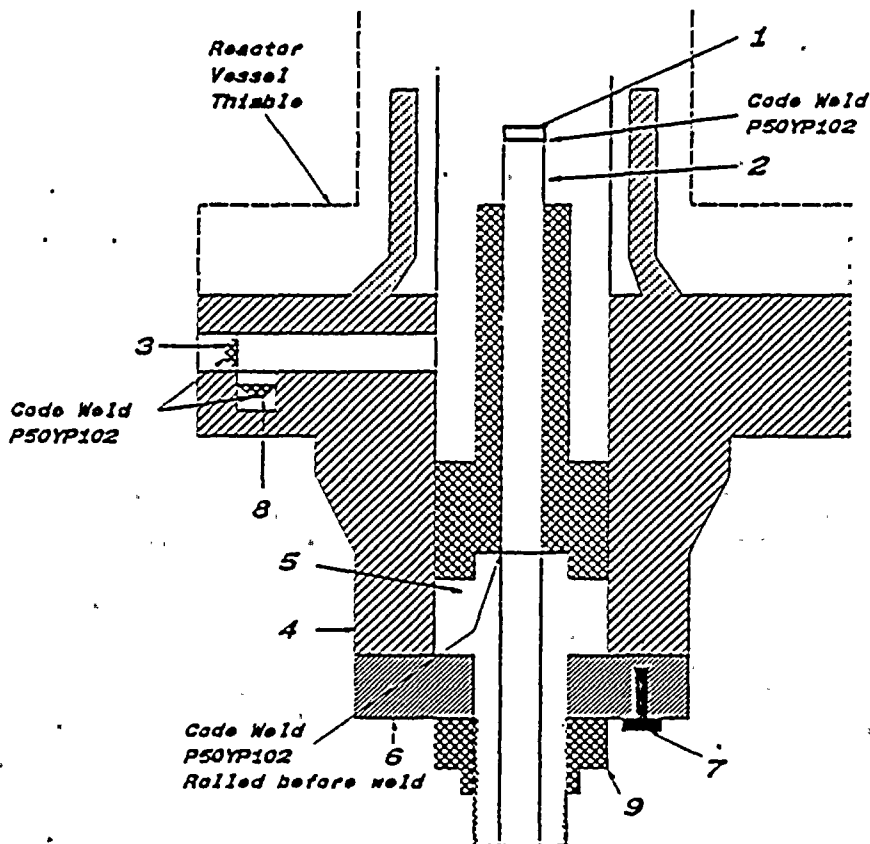
5. Base 137C5311P001
SA182 - F304
7/8" thick x 2.875" dia.

6. Ring Flange 114B5122P002, P003
137C8151P001, P002
SA182 - F304
1" thick x 5.0" OD x 1.75" ID

7. Cap Screw 117C4516P002
SA193 - B6
6 ea. 1/2" dia. on 4 1/8" bolt circle

8. Plug 175A7961P001
SA182 - F304
0.38" thick x 1.307" dia.

9. Nut 137C5934P001
XM - 19 SA479
1.30" thick x 2.52" dia.





WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 8522

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: Control Rod Drive (CRD)
5. (a) Applicable Construction Code ASME Section III Code Class 1, 1971 Edition with no Addenda, Code Case: 1361-1
(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: 6/12/92
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
CRD CT&F	GE GE	6578 A8915	N/A N/A	N/A N/A	1974 1991	Replaced Replacement	Yes, Code Class 1 Yes, Code Class 1

7. Description of Work: Overhauled Control Rod Drive (CRD) Serial No 6578. The overhaul work was performed as follows
- 1) Disassembled CRD assembly for overhaul
 - 2) Performed PT examination on the Cylinder Tube and Flange (CT&F) assembly. PT examination results acceptable. CT&F assembly was evaluated to be unacceptable due to heavy scratches (See MWR No AR 8522)
 - 3) Reassembled CRD parts and installed new CT&F assembly Serial No A8915

NOTES -

- 1) The existing Control Rod Drive (CRD) Serial No 6578, ASME Section III, Code Class 1, 1971 Edition with no Addenda, Code Case 1361-1
- 2) The new Cylinder Tube and Flange (CT&F) Serial No A8915 ASME Section III, Code Class 1, 1974 Edition with Winter 1975 Addenda, Code Case N207, 1361-2
- 3) The entire CRD assembly is now identified by the new CT&F Serial No A8915



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

MWR NO AR 8522

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 N-2 Code Data Report for new Cylinder Tube and Flange (CT&F) assembly Serial No A8915

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 Rudip Singh Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 6/15/92 Date 6-15-92

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 5-8-92 to 6-15-92 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 NBE
Inspector's Signature National Board, State, and Endorsements
Date 6-15-92

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)
2117 Castle Hayne Road, Wilmington, North Carolina 28401
(Name and Address of NPT Certificate Holder)
- (b) Manufactured for : WNP 2 Richland, Washington 99352
(Name and Address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : A8915 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No: 919D258G003 Rev 17 Dwg. Prepared by D. L. Peterson
- (b) Description of Part Inspected: Cylinder Tube & Flange
- (c) Applicable ASME Code: Section III , Edition 1974 , Addenda Date W'75 , Case No. N207 1361-2 Class 1
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 1 of 2

We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).

Date: 10/23/91 Signed GE - NEBG - NF & CM - QA By [Signature]
(NPT Certificate Holder) (NSC OR Representative)

Certificate of Authorization Expires: 6/16/93 Certification of Authorization No. : NPT N - 1151

Certification of Design for Appurtenance

Design information on file at GE Company, San Jose, California

Stress analysis report on file at GE Company, San Jose, California

OC22A6253 Rev. 1
Design specification certified by Blorn Haaberg Prof. Eng. State Calif. Reg. No. 15570

OC22A6254 Rev 1
Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. M018646

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 10/22, 1991 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

10/23, 1991 [Signature] NC 1231, Ohio, WC 3686 PA
Date Inspector's Signature National Board, State, Province And No.

Supplemental sheets in form of lists, sketches or drawing may be used provided: (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

(07/90)

FORM N-2 (back)

Items 4-8 Incl. to be completed for single wall vessels, jackets vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
Girth _____ H.T. _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location (Top Crown Knuckle Elliptical Conical Hemispherical Flat Side to Press.
Bottom, Ends) Thickness Radius Radius Ratio Apex Angle Radius Diameter (conv. or conc.)
(a) _____
(b) _____
If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S. Size Number) (Describe or attach sketch)

7. Jacket Closure: _____
(Describe as ogee and weld, bar, etc. If bar give dimensions, if bolts, describe or sketch)
Drop Weight _____
Charpy Impact _____ ft-lb
3. Design pressure ² _____ 1250 psi at _____ 575 ° F at temp of _____ ° F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to pressure) (Welded, Bored)
Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____
10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(Str. or U)

Items 11 - 14 Incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

1. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

2. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
Girth _____ H.T. _____ R.T. _____ No. of Courses _____

3. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location Thickness Crown Knuckle Elliptical Conical Hemispherical Flat Side to Press.
(a) Top, bottom, ends _____ Radius Radius Ratio Apex Angle Radius Diameter (conv. or conc.)
(b) Channel _____
If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)

4. Design pressure ² _____ psi at _____ ° F at temp of _____ ° F
Drop Weight _____
Charpy Impact _____ ft-lb

Items below to be completed for all vessels where applicable.

5. Safety Valve Outlets: Number _____ Size _____ Location _____

6. Nozzles: Purpose (Inlet, Outlet, Drain) Number Dia. or Size Type Material Thickness Reinforcement Material How Attached

7. Inspection Manholes. No. _____ Size _____ Location _____
Openings: Handholes. No. _____ Size _____ Location _____
Threaded. No. _____ Size _____ Location _____

8. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

1 - If Postweld Heat-Treated.

2 - Use other internal or external pressure with coincident temperature when applicable.

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)

2117 Castle Hayne Road, Wilmington, North Carolina 28401

(Name and Address of NPT Certificate Holder)

(b) Manufactured for : WNP 2 Richland, Washington 99352

(Name and Address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part : A8915 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No: 919D258G003 Rev 17 Dwg. Prepared by D. L. Peterson

(b) Description of Part Inspected: Cylinder Tube & Flange

(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75, Case No. N207 1361-2 Class 1

3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
(Brief description of service for which component was designed)

Sheet 2 of 2

1. Cap 166B9274P001
SA182 - F304
3/8" thick x 1 1/16" OD

2. Indicator Tube 166B9313P001
SA312 - TP316
3/4" sch 40 - seamless pipe
0.113" wall thickness
1.065" max. dia.

3. Plug 159A1176P001
SA182 - F304
1/4" thick x 0.812" OD

4. Flange 919D610P001 (719E474)
SA182 - F304
3.37" thick x 9 5/8" OD

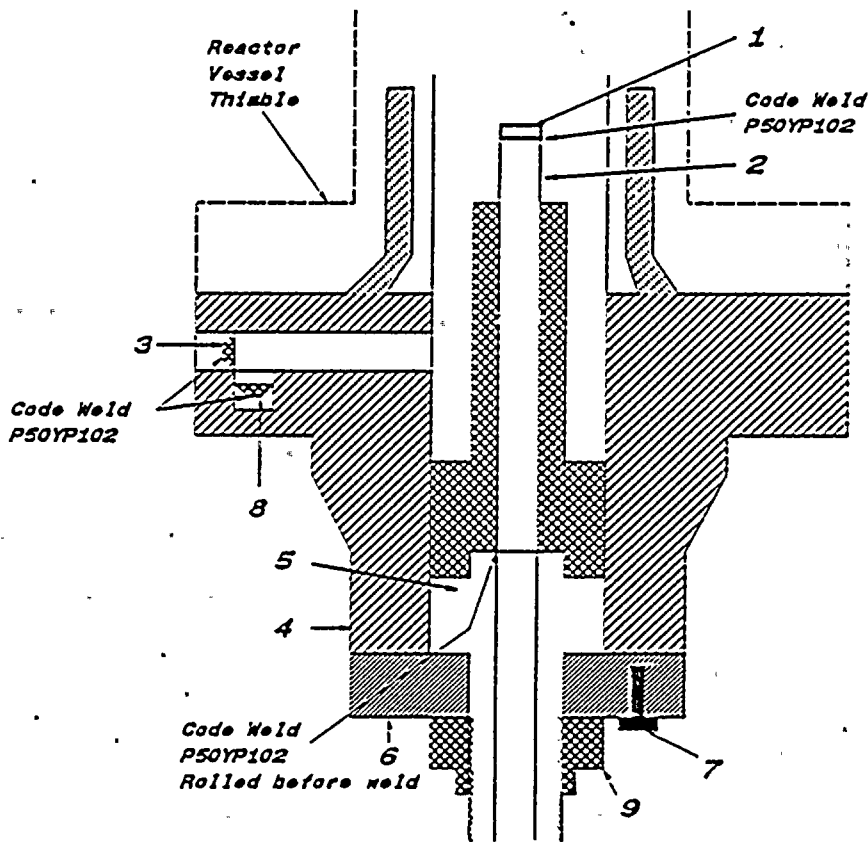
5. Base 137C5311P001
SA182 - F304
7/8" thick x 2.875" dia.

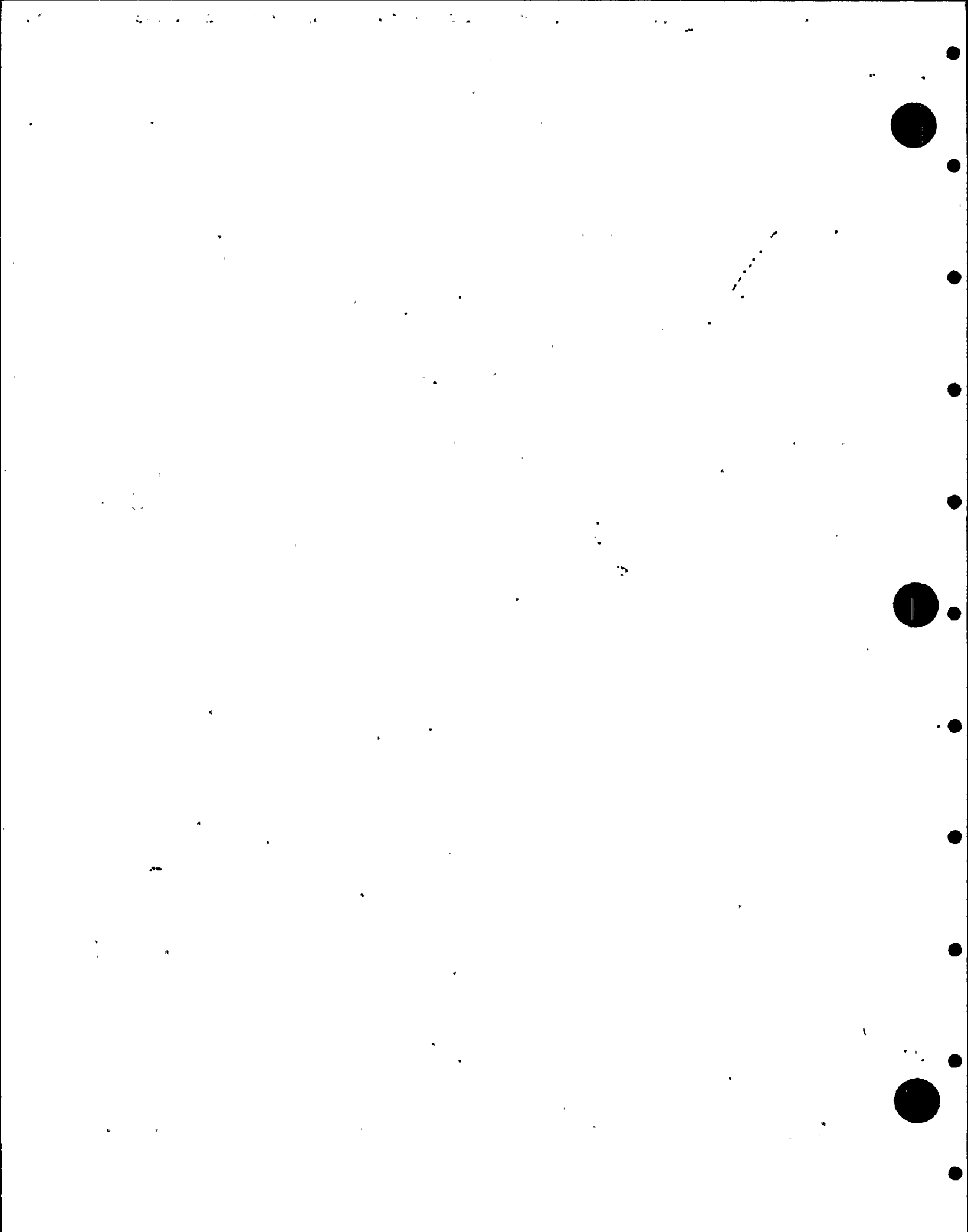
6. Ring Flange 114B5122P002, P003
137C8151P001, P002
SA182 - F304
1" thick x 5.0" OD x 1.75" ID

7. Cap Screw 117C4516P002
SA193 - B6
6 ea. 1/2" dia. on 4 1/8" bolt circle

8. Plug 175A7961P001
SA182 - F304
0.38" thick x 1.307" dia.

9. Nut 137C5934P001
XM - 19 SA479
1.30" thick x 2.62" dia.







WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0629

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: Residual Heat Removal (RHR) System
5. (a) Applicable Construction Code ASME Section III Code Class 2, 1971 Edition with Summer 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: 4/17/92
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
RHR-V-27A RHR-V-27B	Velan Velan	349 355	N/A N/A	N/A N/A	1976 1976	Replacement Replacement	Yes, Code Class 2 Yes, Code Class 2

7. Description of Work: Replaced body to bonnet nuts for valves RHR-V-27A and RHR-V-27B. The replacement work was performed as follows

- 1) Drilled holes in the new nuts
- 2) Remove existing nuts replaced them with new nuts with holes

Note - Holes were drilled in the nuts to provide a method of captivating the valve body to bonnet nuts



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0629

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ None
Test Pressure: P_{sig} Test Temperature: °F
Component Design Pressure: P_{sig} Temperature: °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 Dwain Supb Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 4/17/92 Date 4-18-92

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 9/13/90 to 4/17/92 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 4/18/92



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: 3/30/92
Address: 3000 George Washington Way, Richland, Washington Sheet: 1 of 1
2. Plant: Washington Public Power Supply System (WPPSS) Nuclear Power Plant (WNP) Unit: WNP-2
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: Main Steam (MS) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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

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
MS-RV-1B	Crosby	N63790-00-0045	N/A	N/A	1981	Replacement	Yes, Code Class 1

- 7. Description of Work:** Replaced disc insert, nozzle and the bolting material for main steam relief valve. The replacement work was performed as follows
- 1) Removed existing disc insert and nozzle from the valve
 - 2) Installed new disc insert and nozzle in the valve
 - 3) Replaced some of the bolting material for the valve flanged joints
 - 4) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0653

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☒ Other ☐
Test Pressure: 960/6.7 Psig Test Temperature: 532/81.6° F
Component Design Pressure: 1150 Psig Temperature: 575° F

9. Remarks: 1) Nominal operating pressure test on valve inlet flanged joint - test pressure of 960 PSIG and test temperature of 532 F, 2) Pneumatic test on valve outlet joint, body to bonnet joint, nozzle ring and adjusting ring set screw joints - test pressure of 6.7 PSIG and test temperature of 81.6 F, 3) Component design pressure and temperature - valve set pressure and rated temperature

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 Dwain Smith
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 4/15/92

Date 4-17-92

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 3/27/91 to 4/17/92 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 9556 W NBI
National Board, State, and Endorsements

Date 4/17/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0654

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: Main Steam (MS) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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: 3/30/92
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
B22-G001C	WPPSS	B22-G001C-P1	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. Description of Work: Replaced existing relief valve MS-RV-1C with replacement relief valve. The replacement work was performed as follows

- 1) Removed existing relief valve MS-RV-1C, Serial No N63790-00-0046 with set pressure of 1150 PSIG at rated temperature of 575 F
- 2) Installed replacement relief valve Serial No N63790-00-0120 with set pressure of 1150 PSIG at rated temperature of 575 F
- 3) Replaced some of the bolting material for the valve flanged joint
- 4) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0654

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☒ Other ☐
Test Pressure: 960/6.7 Psig Test Temperature: 532/85.6° F
Component Design Pressure: 1250/500 Psig Temperature: 575/470° F

9. Remarks: 1) See attached NV-1 Code Data Report for replacement relief valve Serial No N63790-00-0120, 2) Nominal operating pressure test on valve inlet flanged joint - test pressure of 960 PSIG and test temperature of 532 F, 3) Pneumatic test on valve outlet joint, body to bonnet joint, nozzle ring and adjusting ring set screw joints - test pressure of 6.7 and test temperature of 85.6, 4) Component design pressure and temperature - 1250 PSIG at 575 F for relief valve inlet piping and 500 PSIG at 470 F for relief valve outlet piping

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 Gurb
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 4/15/92

Date 4-17-92

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 3/25/91 to 4/17/92 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 9556 W NBI
National Board, State, and Endorsements

Date 4/17/92

PLAN No. 2-0654
Out dip Supb
 3/26/92.



CROSBY VALVE & GAGE COMPANY
 WRENTHAM, MASS

FORM NV-1 FOR SAFETY AND SAFETY RELIEF VALVES
 As Required by the Provisions of the ASME Code Rules

Q.C.-44D

DATA REPORT

Safety and Safety Relief Valves

- Manufactured By Crosby Valve & Gage Company, 43 Kendrick St., Wrentham, MA 02093
 Name and Address
 Model No. HB-65-BP-FN Order No. N94281 Contract Date 4/24/79 National Board No. N/A
 General Electric Company, 175 Curtner Ave.,
 2. Manufactured For San Jose, CA 95125 Order No. 205-AJ986
 Name and Address
- Owner Washington Public Power Supply System, Richland, Washington 99352
 Name and Address
- Location of Plant Hanford Reservation, Richland, Washington 99352
- Valve Identification MPL #B22-F013 Serial No. N63790-00-012 Drawing No. DS-A-63790 Rev. C
 Type Safety Relief Orifice Size R Pipe Size -- Inlet 6 Outlet 10
 Safety, Safety Relief, Pilot, Inch Inch Inch Inch
 Power Actuated
- Set Pressure (psig) 1150 575° F
 Rated Temperature
- Stamped Capacity 865,725 @ 3 Overpressure -- Blowdown (psig) 2% to 11%
 Hydrostatic Test (psig) Inlet 2370 Outlet 975 psig (Assembled Valve)
1100 psig (Body Only)
 (Applicable to Valves for Closed Systems Only)

Pressure Retaining Pieces

	Serial No. Identification	Material Specification Including Type or Grade
a. xxxxxxx Bar Stock & Forgings		
Body	<u>N93183-36-0083</u>	<u>ASTM A105-71 Gr. II</u> <u>ASME SA105 Gr. II</u>
Bonnet	<u>N93407-36-0102</u>	<u>ASTM A105-71 Gr. II</u> <u>ASME SA105 Gr. II</u>
b. xxxxxxxxxxxxxxx		
xxxxxxxxxxx Disc Insert	<u>N93185-37-0152</u>	<u>ASME SA637 Gr. 718</u>
Nozzle	<u>N93184-33-0068</u>	<u>ASME SA182 Gr. F316</u>
Disc Holder *K55484- 41-0168	<u>N89714- 35-0156</u>	<u>AMS 5662B</u>
Spring Washers K62858-36-0082	<u>K62856-36-0108</u> <u>K62857-36-0134</u>	<u>ASME SA105 Gr. II</u>
Adjusting Bolt	<u>N93410-33-0070</u>	<u>ASME SA193 Gr. B6</u>
Spindle Point K62873-37-0138	<u>N89720-43-0155</u>	<u>ASME SA564 Type 630</u>
c. Spring K62858-36-0082	<u>*N89722-0080</u>	<u>ASTM A304-66 Gr. 4161H</u>
d. Bolting		
e. xxxxxxxxxxx Spindle Ball K62873- 37-0138	<u>N93213- 0205</u>	<u>Stoodv #6</u>
Thrust Bearing Adapter	<u>N93409-32-0066</u>	<u>ASME SA193 Gr. B6</u>
Bonnet Stud (BW19)	<u>N93207-1474 thru 1485</u>	<u>ASTM A193-71 Gr. B7</u> <u>ASME SA193 Gr. B7</u>
Bonnet Stud Nut (J87)	<u>N93210-0985 thru 0996</u>	<u>ASME SA194 Gr. 2H</u>
Inlet Stud (BW21)	<u>N93216-1407 thru 1418</u>	<u>ASTM A193-71 Gr. B7</u> <u>ASME SA193 Gr. B7</u>
Inlet Stud Nut (BW22)	<u>N93218-1329 thru 1340</u>	<u>ASTM A194-71 Gr. 2H</u> <u>ASME SA194 Gr. 2H</u>
Adjusting Bolt Button K63618-33-0073	<u>N93411-33-0073</u>	<u>ASME SA193 Gr. B6</u>

Valve originally built against Crosby Order No. N51727, Assembly No. N56000. Valve modification consists of replacement of the Disc Insert, Nozzle, Bonnet Stud Nuts, Adjusting Bolt, and Thrust Bearing Adapter, remachining of the Body, Spring Washers, Bonnet, and Spindle Assembly, and adding an Adjusting Bolt Button Assembly. New Serialization is required unless indicated by an asterisk. Original nameplate removed and new nameplate attached. N63790-00-0120

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this valve conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, 1971 Edition, Addenda No Addenda, Code Case No. 1567 & 1711.
Class 1 (Date)

Date 11-5-80 Signed Crosby Valve & Gage Co. by P. G. Casanova
(N Certificate Holder)

Our ASME Certificate of Authorization No. 1878 to use the NV
symbol expires September 30, 1983.
(Date)

CERTIFICATION OF DESIGN

Design information on file at Crosby Valve & Gage Company
Stress analysis report (Class 1 only) on file at Crosby Valve & Gage Company
43 Kendrick Street, Wrentham, Massachusetts 02093
Design specifications certified by ¹ Boyd P. Brooks
PE State California Reg. No. 13655
Stress report certified by ¹ W.D. Greenlaw
PE State Massachusetts Reg. No. 14784

¹Signature not required - list name only.

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 Massachusetts and employed by Factory Mutual Systems* of Norwood, Massachusetts have inspected the pump, or valve, described in this Data Report on 1/9, 1981 and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warrant, 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 1/9 1981
Signed John E. Morris Commissions MASS 1266
(Inspector) (Nat'l. Bd., State, Prov. and No.)

*Arkwright-Boston Manufacturers Mutual Insurance Company - Mutual Boiler & Machinery Div.



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0655

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: Main Steam (MS) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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: 3/30/92
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
MS-RV-2B	Crosby	N63790-00-0049	N/A	N/A	1980	Replacement	Yes, Code Class 1

7. Description of Work: Replaced disc insert and nozzle for main steam relief valve. The replacement work was performed as follows
- 1) Removed existing disc insert and nozzle from the valve
 - 2) Installed new disc insert and nozzle in the valve
 - 3) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0655

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☒ Other ☐
Test Pressure: 960/6.7 Psig Test Temperature: 532/83° F
Component Design Pressure: 1175 Psig Temperature: 575° F

9. Remarks: 1) Nominal operating pressure test on valve inlet flanged joint - test pressure of 960 PSIG and test temperature of 532 F, 2) Pneumatic test on valve outlet joint, body to bonnet joint, nozzle ring and adjusting ring set screw joints - test pressure of 6.7 PSIG and test temperature of 83 F, 3) Component design pressure and temperature - valve set pressure and rated temperature

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 Paula P. Gault Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 3/30/92 Date 3-31-92

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 3/27/91 to 4/1/92 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 4/1/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0656

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: 3/30/92
Address: 3000 George Washington Way, Richland, Washington Sheet: 1 of 1
2. Plant: Washington Public Power Supply System (WPPSS) Nuclear Power Plant (WNP) Unit: WNP-2
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: Main Steam (MS) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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

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
MS-RV-2C	Crosby	N63790-00-0047	N/A	N/A	1981	Replacement	Yes, Code Class 1

7. Description of Work: Replaced disc insert and nozzle for main steam relief valve. The replacement work was performed as follows
- 1) Removed existing disc insert and nozzle from the valve
 - 2) Installed new disc insert and nozzle in the valve
 - 3) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0656

FORM NIS-2 (Back)

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

Test Pressure: 960/6.6 Psig

Test Temperature: 532/76.1° F

Component Design Pressure: 1175 Psig

Temperature: 575° F

9. Remarks: 1) Nominal operating pressure test on valve inlet flanged joint - test pressure of 960 PSIG and test temperature of 532 F, 2) Pneumatic test on valve outlet joint, body to bonnet joint, nozzle ring and adjusting ring set screw joints - test pressure of 6.6 PSIG and test temperature of 76.1 F, 3) Component design pressure and temperature - valve set pressure and rated temperature

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 Quincy Smith
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 3/30/92

Date 3-31-92

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 3/27/91 to 4/1/92 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 9556 W NBI
National Board, State, and Endorsements

Date 4/1/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0657

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: Main Steam (MS) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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: 3/30/92
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
B22-G001D	WPPSS	B22-G001D-P1	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. Description of Work: Replaced existing relief valve MS-RV-2D with replacement relief valve. The replacement work was performed as follows

- 1) Removed existing relief valve MS-RV-2D, Serial No N63790-00-0052 with set pressure of 1185 PSIG at rated temperature of 575 F
- 2) Installed replacement relief valve Serial No N63790-00-0124 with set pressure of 1185 PSIG at rated temperature of 575 F
- 3) Replaced some of the bolting material for the valve flanged joint
- 4) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0657

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☒ Other ☐
Test Pressure: 960/6.8 Psig Test Temperature: 532/87° F
Component Design Pressure: 1250/500 Psig Temperature: 575/470° F

9. Remarks: 1) See attached NV-1 Code Data Report for replacement relief valve Serial No N63790-00-0124, 2) Nominal operating pressure test on valve inlet flanged joint - test pressure of 960 PSIG and test temperature of 532 F, 3) Pneumatic test on valve outlet joint, body to bonnet joint, nozzle ring and adjusting ring set screw joints - test pressure of 6.8 and test temperature of 87, 4) Component design pressure and temperature - 1250 PSIG at 575 F for relief valve inlet piping and 500 PSIG at 470 F for relief valve outlet piping

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 Quaid Rios
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 3/30/92

Date 3-31-92

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 3/26/91 to 4/1/92 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 9556 W NBI
National Board, State, and Endorsements

Date 4/1/92

PLAN NO. 2-0657

Cudip Supb

3/26/92

CROSBYCROSBY VALVE & GAGE COMPANY
WRENTHAM, MASSFORM NV-1 FOR SAFETY AND SAFETY RELIEF VALVES
As Required by the Provisions of the ASME Code Rules

Q.C.-440

DATA REPORT
Safety and Safety Relief Valves

- Manufactured By Crosby Valve & Gage Company, 43 Kendrick St., Wrentham, MA 02093
Name and Address
- Model No. HB-65-BP-FN Order No. N94291 Contract Date 4/24/79 National Board No. N/A
General Electric Company, 175 Curtner Ave.,
- Manufactured For San Jose, CA 95125 Order No. 205-AJ986
Name and Address
- Owner Washington Public Power Supply System, Richland, Washington 99352
Name and Address
- Location of Plant Hanford Reservation, Richland, Washington 99352
- Valve Identification MPL #B22-F013 Serial No. N63790-00-0124 Drawing No. DS-A-63790 Rev. C
Type Safety Relief Orifice Size R Pipe Size -- Inlet 6 Outlet 10
Safety, Safety Relief, Pilot, Inch Inch Inch Inch
Power Actuated
- Set Pressure (psig) 1185 5750 F
Rated Temperature
Scrapped Capacity 891,750 @ 3 Overpressure -- Slowdown (psig) 2% to 11%
Hydrostatic Test (psig) Inlet 2370 Outlet 975 psig (Assembled Valve)
1100 psig (Body Only)
(Applicable to Valves for Closed Systems Only)

Pressure Retaining Pieces

	Serial No. Identification	Material Specification Including Type or Grade
a. Crosby Bar Stock & Forgings		
Body	<u>N93183-36-0087</u>	<u>ASTM A105-71 Gr. II</u> <u>ASME SA105 Gr. II</u>
Bonnet	<u>N93407-36-0098</u>	<u>ASTM A105-71 Gr. II</u> <u>ASME SA105 Gr. II</u>
b. Crosby Disc Insert	<u>N93185-37-0156</u>	<u>ASME SA637 Gr. 718</u>
Nozzle	<u>N93184-33-0072</u>	<u>ASME SA182 Gr. F316</u>
Disc Holder K55484-31-0005	<u>N89714-31-0008</u>	<u>AMS 5662B</u>
Spring Washers K62858-36-0081	<u>K62856-36-0116</u> <u>K62857-36-0130</u>	<u>ASME SA105 Gr. II</u>
Adjusting Bolt	<u>N93410-33-0072</u>	<u>ASME SA193 Gr. B6</u>
Spindle Point K62873-37-0136	<u>N89720-43-0157</u>	<u>ASTM A564-71 Type 630</u> <u>ASME SA564 Type 630</u>
c. Spring K62858-36-0081	<u>NX2689-0126</u>	<u>ASTM A304-66 Gr. 4161H</u>
d. Bolting		
e. Crosby Spindle Ball K62873-37-0136	<u>N93213-0203</u>	<u>Stoody #6</u>
Thrust Bearing Adapter	<u>N93409-32-0065</u>	<u>ASME SA193 Gr. B6</u>
Bonnet Stud (3W19)	<u>N93207-1522 thru 1533</u>	<u>ASTM A193-71 Gr. B7</u> <u>ASME SA193 Gr. B7</u>
Bonnet Stud Nuc (J87)	<u>N93210-1033 thru 1044</u>	<u>ASME SA194 Gr. 2H</u>
Inlet Stud (3W21)	<u>N93216-1455 thru 1466</u>	<u>ASTM A193-71 Gr. B7</u> <u>ASME SA193 Gr. B7</u>
Inlet Stud Nuc (3W22)	<u>N93218-1389 thru 1400</u>	<u>ASTM A194-71 Gr. 2H</u> <u>ASME SA194 Gr. 2H</u>
Adjusting Bolt Button K63618-33-0094	<u>N93411-33-0094</u>	<u>ASME SA193 Gr. B6</u>

- Valve originally built against Crosby Order No. N51727, Assembly No. N56000. Valve modification consists of replacement of the Disc Insert, Nozzle Bonnet Stud Nuts, Adjusting Bolt and Thrust Bearing Adapter, remachining of the Body, Spring Washers, Bonnet, and Spindle Assembly, and adding an Adjusting Bolt Button Assembly. New Serialization is required unless indicated by an asterisk.
- Original nameplate removed and new nameplate attached.

N63790-00-0124

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this valve conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, 1971 Edition, Addenda No Addenda, Code Case No. 1567 & 1711.
 Class 1 (Date)
 Date 11-5-80 Signed Crosby Valve & Gage Co. by R.G. Casanova
 (N Certificate Holder)
 Our ASME Certificate of Authorization No. 1878 to use the NV symbol expires September 30, 1983.
 (Date)

CERTIFICATION OF DESIGN

Design information on file at Crosby Valve & Gage Company
 Stress analysis report (Class 1 only) on file at Crosby Valve & Gage Company
43 Kendrick Street, Wrentham, Massachusetts 02093
 Design specifications certified by ¹ Bovd P. Brooks
 PE State California Reg. No. 13655
 Stress report certified by ¹ W.D. Greenlaw
 PE State Massachusetts Reg. No. 14784

¹ Signature not required - list name only.

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 Massachusetts and employed by Factory Mutual Systems* of Norwood, Massachusetts have inspected the pump, or valve, described in this Data Report on 11/13, 1981 and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warrant, 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 11/13 1981
 Signed John P. Dineen Commissions MASS 1268
 (Inspector) (Nat'l. Bd., State, Prov. and No.)

*Arkwright-Boston Manufacturers Mutual Insurance Company - Mutual Boiler & Machinery Div.



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: Main Steam (MS) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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: 3/30/92
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
MS-RV-4D	Crosby	N63790-00-0060	N/A	N/A	1980	Replacement	Yes, Code Class 1

7. Description of Work: Replaced disc insert for main steam relief valve. The replacement work was performed as follows
- 1) Removed existing disc insert from the valve
 - 2) Installed new disc insert in the valve
 - 3) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0658

FORM NIS-2 (Back)

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

Test Pressure: 960/6.8 Psig

Test Temperature: 532/78.4/82.4° F

Component Design Pressure: 1205 Psig

Temperature: 575° F

9. Remarks: 1) Nominal operating pressure test on valve inlet flanged joint - test pressure of 960 PSIG and test temperature of 532 F, 2) Pneumatic test on valve outlet joint - test pressure of 6.8 PSIG and test temperature of 78.4 F, 3) Pneumatic test on valve body to bonnet joint, nozzle ring and adjusting ring set screw joints - test pressure of 6.8 PSIG and test temperature of 82.4 F 4) Component design pressure and temperature - valve set pressure and rated temperature

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 Dulair Singh
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 3/30/92

Date 3-31-92

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 3/27/91 to 4/1/92 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 9556 W NBI
National Board, State, and Endorsements

Date 4/1/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0659

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: Main Steam (MS) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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: 3/30/92
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
MS-RV-5B	Crosby	N63790-00-0061	N/A	N/A	1980	Replacement	Yes, Code Class 1

7. Description of Work: Replaced disc insert and nozzle for main steam relief valve. The replacement work was performed as follows
- 1) Removed existing disc insert and nozzle from the valve
 - 2) Installed new disc insert and nozzle in the valve
 - 3) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0659

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☒ Other ☐
Test Pressure: 960/6.6 Psig Test Temperature: 532/79° F
Component Design Pressure: 1205 Psig Temperature: 575° F

9. Remarks: 1) Nominal operating pressure test on valve inlet flanged joint - test pressure of 960 PSIG and test temperature of 532 F, 2) Pneumatic test on valve outlet joint, body to bonnet joint, nozzle ring and adjusting ring set screw joints - test pressure of 6.6 PSIG and test temperature of 79 F, 3) Component design pressure and temperature - valve set pressure and rated temperature

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 Dwain Quip
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 3/30/92

Date 3-31-92

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 3/27/91 to 4/1/92 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 9556 LW NBI
National Board, State, and Endorsements

Date 4/1/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0660

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: Main Steam (MS) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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

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
MS-RV-5C	Crosby	N63790-00-0062	N/A	N/A	1980	Replacement	Yes, Code Class 1

7. Description of Work: Replaced disc insert and nozzle for main steam relief valve. The replacement work was performed as follows
- 1) Removed existing disc insert and nozzle from the valve
 - 2) Installed new disc insert and nozzle in the valve
 - 3) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0660

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☒ Other ☐
Test Pressure: 960/6.7/6.8 Psig Test Temperature: 532/77.1/69.6° F
Component Design Pressure: 1205 Psig Temperature: 575° F

9. Remarks: 1) Nominal operating pressure test on valve inlet flanged joint - test pressure of 960 PSIG and test temperature of 532 F, 2) Pneumatic test on valve outlet joint and body to bonnet joint - test pressure of 6.7 PSIG and test temperature of 77.1 F, 3) Pneumatic test on valve nozzle ring and adjusting ring set screw joints - test pressure of 6.8 PSIG and test temperature of 69.6 F, 4) Component design pressure and temperature - valve set pressure and rated temperature

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 Paul J. Rupp Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 3/30/92 Date 3-31-92

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 3/27/91 to 4/1/92 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 - NSI
Inspector's Signature National Board, State, and Endorsements

Date 4/1/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0666

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: Controlled Chilled Water (CCH) System
5. (a) Applicable Construction Code: ASME Section III Code Class 3, 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

Date: 7/24/92

Sheet: 1 of 1

Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
CCH-CR-1A	York	2510	55256	N/A	1980	Repair	Yes, Code Class 3

7. Description of Work: Reinstalled and welded access cut out holes on the shell for CCH-CR-1A. The repair work was performed as follows

- 1) Cut access holes in the shell
- 2) Prepped cut edges
- 3) Reinstalled access cut out plates on the shell and made required welds
- 4) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0666

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Other ☐ None
Test Pressure: 33.1 Psig Test Temperature: 74.8° F
Component Design Pressure: 30 Psig Temperature: 20° F

9. Remarks: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this repair 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 Quaid Sup
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 7/24/92.

Date 7-27-92

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 11/18/91 to 7/28/92 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 9550 W NBI
National Board, State, and Endorsements

Date 7/28/92.



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: 6/2/92
Address: 3000 George Washington Way, Richland, Washington Sheet: 1 of 1
2. Plant: Washington Public Power Supply System (WPPSS) Nuclear Power Plant (WNP) Unit: WNP-2
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: Controlled Chilled Water (CCH) System
5. (a) Applicable Construction Code ASME Section III Code Class 3, 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
CCH-CR-1A	York	2510	55256	N/A	1980	Replacement	Yes, Code Class 3

7. **Description of Work:** Replaced tubes in the evaporator section of CCH-CR-1A. The replacement work was performed as follows
- 1) Removed existing tubes
 - 2) Cleaned tube sheet holes for installation of new tubes
 - 3) Plugged defective tube sheet holes by welding
 - 4) Installed new tubes



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0667

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: 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 Dwain S. Smith 6/3/92 Signed by [Signature] 6-3-92
Materials And Inspections Plant Technical Manager
Date 6/3/92 Date _____

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State 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 9/17/91 to 6/3/92 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 6/5/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0677-5

KS
2/3/92

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 Feed Water (RFW) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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: 2/1/92
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
RFW(1)-4B	WPPSS	RFW(1)-4B-P2	N/A	N/A	1983	Repair	Yes, Code Class 1

7. Description of Work: Connection with valves RFW-V-45A and RFW-V-45B was repaired (modified). The work was performed as follows:

- 1) Cut and removed the connection assembly
- 2) Beveled the existing socket end for butt welding
- 3) Performed PT examination on the socket beveled end. PT examination results acceptable
- 4) Beveled existing valve socket end for butt welding
- 5) Performed PT examination on the valve beveled end. PT examination results acceptable
- 6) Installed the connection assembly and made required socket and circumferential butt welds
- 7) Performed PT examination on the final socket and circumferential butt welds. PT examination results acceptable
- 8) Performed RT examination on the final circumferential butt weld. RT examination results acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0675

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: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this repair 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 Quicrip Supb Signed by [Signature]
Date 2/1/92 Date 2-1-92
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 4/24/91 to 2/3/92 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 2/3/92



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 Feed Water (RFW) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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
RFW(1)-4A	WPPSS	RFW(1)-4A-P2	N/A	N/A	1983	Repair	Yes, Code Class 1

7. Description of Work: Connection with valves RFW-V-119 and RFW-V-120 was repaired (modified). The work was performed as follows

- 1) Cut and removed the connection assembly
- 2) Beveled the existing sockolet socket end for butt welding
- 3) Performed PT examination on the sockolet beveled end. PT examination results acceptable
- 4) Beveled existing valve socket end for butt welding
- 5) Performed PT examination on the valve beveled end. PT examination results acceptable
- 6) Installed the connection assembly and made required socket and circumferential butt welds
- 7) Performed PT examination on the final socket and circumferential butt welds. PT examination results acceptable
- 8) Performed RT examination on the final circumferential butt weld. RT examination results not acceptable
- 9) Cut out circumferential butt weld with unacceptable RT indication
- 10) Rebeveled the existing sockolet socket end for butt welding
- 11) Performed PT examination on the sockolet beveled end. PT examination results acceptable
- 12) Rebeveled existing valve socket end for butt welding
- 13) Performed PT examination on the valve beveled end. PT examination results acceptable
- 14) Reinstalled the connection assembly and made required circumferential butt weld
- 15) Performed PT examination on the final circumferential butt weld. PT examination results acceptable
- 16) Performed RT examination on the final circumferential butt weld. RT examination results ~~not~~ acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0676

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: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this repair 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 Quid.3p Supt Signed by [Signature]
Date 2/1/92 Date 2-1-92
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 4/24/91 to 2/3/92 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 2/3/92



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 Feed Water (RFW) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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: 1/28/92
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
RFW(1)-4A	WPPSS	RFW(1)-4A-P2	N/A	N/A	1983	Repair	Yes, Code Class 1

7. Description of Work: Connection with valves RFW-V-44A and RFW-V-44B was repaired (modified). The work was performed as follows

- 1) Cut and removed the connection assembly
- 2) Beveled the existing socket end for butt welding
- 3) Performed PT examination on the socket beveled end. PT examination results acceptable
- 4) Beveled existing valve socket end for butt welding
- 5) Performed PT examination on the valve beveled end. PT examination results acceptable
- 6) Installed the connection assembly and made required socket and circumferential butt welds
- 7) Performed PT examination on the final socket and circumferential butt welds. PT examination results acceptable
- 8) Performed RT examination on the final circumferential butt weld. RT examination results acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0677

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: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this repair 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 Dwain Sump Signed by [Signature]
Date 1/28/92 Date 1-28-92
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 4/24/91 to 1/29/92 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 1/29/92



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: High Pressure Core Spray (HPCS) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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
HPCS(1)-4CL1	WPPSS	HPCS(1)-4CL1	N/A	N/A	1982	Repair	Yes, Code Class 1

7. Description of Work: Connection with valves HPCS-V-21 and HPCS-V-22 was repaired (modified). The work was performed as follows

- 1) Cut and removed the connection assembly
- 2) Beveled the existing socket end for butt welding
- 3) Performed PT examination on the socket beveled end. PT examination results acceptable
- 4) Beveled existing valve socket end for butt welding
- 5) Performed PT examination on the valve beveled end. PT examination results acceptable
- 6) Installed the connection assembly and made required circumferential butt weld
- 7) Performed PT and RT examination on the final circumferential butt weld. PT and RT examination results acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0679

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ None
Test Pressure: P_{sig} Test Temperature: °F
Component Design Pressure: P_{sig} Temperature: °F

9. Remarks: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this repair 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 S. Sipes Signed by [Signature]
Date 1/28/92 Date 1-28-92
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 4/24/91 to 1/29/92 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 1/29/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0680

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 Feedwater (RFW) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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
RFW(1)-4B	WPPSS	RFW(1)-4B-P2	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. Description of Work: Connection with valves RFW-V-121 and RFW-V-122 was modified. The work was performed as follows
- 1) Cut and removed the connection assembly
 - 2) Beveled the existing socket end for butt welding
 - 3) Performed PT examination on the socket beveled end. PT examination results acceptable
 - 4) Beveled new valve socket end for butt welding
 - 5) Performed PT examination on the valve beveled end. PT examination results acceptable
 - 6) Installed new valves and the piping material and made required socket and circumferential butt welds
 - 7) Performed PT examination on the final socket and circumferential butt welds. PT examination results acceptable
 - 8) Performed RT examination on the final circumferential butt weld. RT examination results not acceptable
 - 9) Removed the unacceptable RT indication and weld repaired the cavity
 - 10) Performed PT examination on the weld repaired area. PT examination results acceptable
 - 11) Performed RT examination on the weld repaired area. RT examination results acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0680

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ None
Test Pressure: P_{sig} Test Temperature: °F
Component Design Pressure: P_{sig} Temperature: °F

9. Remarks: See attached NPV-1 Code Data Report for the following valves
RFW-V-121, Serial No 80114
RFW-V-122, Serial No 80119

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 Swick Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 4/6/92 Date 4-6-92

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 4/24/91 to 3/7/92 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 3/7/92

FORM NPV-1 N. CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

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

PLAN NO. 2-0680

1. Manufactured by Nuclear Valve Div., Borg Warner, 7500 Tyngue Ave., Van Nuys, Calif.
(Name and Address of N Certificate Holder) 3000 George Washington Way
2. Manufactured for Washington Public Power Supply Systems, Richland, Washington
(Name and Address of Purchaser or Owner)
3. Location of Installation Richland, Washington WPPSS Hanford #2 Job Site
(Name and Address)
4. Pump or Valve Y Globe Valve Nominal Inlet Size 3/4 Outlet Size 3/4
(inch) (inch)

(a) Model No. (b) N Certificate Holder's (c) Canadian
Series No. Serial Registration (d) Drawing (f) Natl. (g) Year
or Type No. No. No. No. Class Bd. No. Built

(1)	1500#	80107 thru 80128	N/A	76590-2	1	N/A	1983
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

The valves are designed to handle a fluid media which includes steam, water, condensate, hot water, etc., associated with a PWR and BWR. The temperature pressure rating of the media is stated below.

5. (Brief description of service for which equipment was designed)
6. Design Conditions 3600 psi 100 °F or Valve Pressure Class N/A (1)
(Pressure) (Temperature)
7. Cold Working Pressure 3600 psi at 100°F.
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
Disc-Code 5F55	Stellite #6	Rex Precision	
5F32			
(b) Forgings			
Body-Code 5E99	SA 105	Pacific Forge	

(1) For manually operated valves only.

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 3-1/2" x 11", (2) information in Items 1, 2 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets

FORM NPV-1 (Back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Soling N/A			
(d) Other Parts			
Backseat-Code 5E84	SA 564 Tv630	Jorzensen Steel	

9. Hydraulic test 5400 psi. Disk Differential test pressure 3600 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1974.
 Addenda Winter '73, Code Case No. N/A, Date 4/24/78

Signed Nuclear Valve Div., Borg Warner by Walter L. Smith
 (N Certificate Holder)

Our ASME Certificate of Authorization No. H-1254 to use the H symbol expires 10/27/84.
 (N) (Cont)

CERTIFICATION OF DESIGN

Design information on file at NVD of Borg Warner, 7500 Tyrone Ave., Van Nuys, Ca. 91409
 Stress analysis report (Class 1 only) on file at NVD of Borg Warner, 7500 Tyrone Ave., Van Nuys, Ca.

Design specifications certified by (1) David J. Murphy

PE State Washington Reg. No. 12542

Stress analysis certified by (1) Byron E. Leonard

PE State CA Reg. No. E123

(1) Signature not required. List name only.

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 California and employed by Lubben's Mutual Casualty of Long Grove, Illinois have inspected the pump, or valve, described in this Data Report on QSO 1973, and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the 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.

Car 1275 2/20 19 73

1275



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0691

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: Main Steam (MS) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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
MS-V-1	Borg Warner	22296	N/A	N/A	1977	Repair/Replacement	Yes, Code Class 1

7. Description of Work: Performed work on valve MS-V-1. The work was performed as follows
- 1) Cut body to bonnet seal weld
 - 2) Removed valve internals for troubleshooting
 - 3) Reinstalled valve internals and installed new stem/disc assembly
 - 4) Installed bonnet into valve body and torqued it to the required torque value
 - 5) Made body to bonnet seal weld
 - 6) Performed PT examination on the final seal weld. PT examination results acceptable
 - 7) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0691

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
Test Pressure: 960 Psig Test Temperature: 531° F
Component Design Pressure: 3600 Psig Temperature: 100° 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 S. Sipe Signed by [Signature]
Date 12/27/91 Date 12-27-91
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 5/17/91 to 1/2/92 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 1/2/92



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: Main Steam (MS) System
5. (a) Applicable Construction Code: ASME Section III Code Class 1, 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: 7/10/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
MS-V-5	Borg Warner	22298	N/A	N/A	1977	Repair	Yes, Code Class 1

7. Description of Work: Made body to bonnet seal weld for valve MS-V-5. The work was performed as follows
- 1) Cut valve body to bonnet seal weld
 - 2) Removed valve internals for troubleshooting
 - 3) Reinstalled valve internals and the bonnet
 - 4) Made valve body to bonnet seal weld
 - 5) Performed PT examination on the final seal weld. PT examination results acceptable
 - 6) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0693

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ None
Test Pressure: 1000 Psig Test Temperature: 545° F
Component Design Pressure: 3600 Psig Temperature: 100° F

9. Remarks: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this repair 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 Rulaip Snip's
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 9/14/92

Date 9-14-92

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 10-4-91 to 9-11-92 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 NBE
National Board, State, and Endorsements

Date 9/18/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0701

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 Core Isolation Cooling (RCIC) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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: 1/23/92
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
RCIC(1)-4CL1	WPPSS	RCIC(1)-4CL1-P1	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. Description of Work: Installed new studs and nuts for the two (2) flanged joints shown on drawing RCIC-659-27.28. Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0701

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
Test Pressure: 960 Psig Test Temperature: 531° F
Component Design Pressure: 1500 Psig Temperature: 170° 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 Quaip Supb Signed by [Signature]
Date 1/24/92 Date 1-25-92
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 5/27/91 to 1/27/92 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 1/27/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0712

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 Recirculation Cooling (RRC) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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

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
RRC-V-67A RRC-V-67B	Atwood & Morrill Atwood & Morrill	3-336 4-336	N/A N/A	N/A N/A	1974 1974	Replacement Replacement	Yes, Code Class 1 Yes, Code Class 1

7. Description of Work: Modified new bonnet cover assemblies for valves RRC-V-67A and RRC-V-67B. The modification work was performed as follows

- 1) Machined the new bonnet cover assemblies outer diameter of the tongue that provides the rabbet fit to the valve body
- 2) Performed PT examination on the machined surfaces of the new bonnet cover assemblies. PT examination results acceptable
- 3) Performed VT-3 examination on the internal accessible surfaces of the new bonnet cover assemblies. VT-3 examination results acceptable

NOTE - The modified new bonnet cover assemblies will be installed for valves RRC-V-67A and RRC-V-67B in accordance with ASME Section XI Plan No 2-0713



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0712

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 N-2 Code Data Reports for new bonnet cover assemblies

New bonnet cover assembly, Serial No 77727-1 for valve RRC-V-67A

New bonnet cover assembly, Serial No 77727-2 for valve RRC-V-67B

NOTE - Pressure test on the valve body to bonnet joint will be performed when the new bonnet cover assemblies are installed on valves RRC-V-67A and RRC-V-67B in accordance with ASME Section XI Plan No 2-0713

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 Snipe Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 3/26/92 Date 3-30-92

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 8/19/91 to 3/27/92 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 W 9556 NBI
Inspector's Signature National Board, State, and Endorsements
Date 4/1/92

PLAN No. 2-0712

Quair Sup 5
3/25/92.FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL
NUCLEAR PARTS AND APPURTENANCES*As Required by the Provisions of the ASME Code, Section III
Not To Exceed One Day's ProductionPg. 1 of 1

1. Manufactured and certified by ATWOOD & MORRILL CO., INC., 285 CANAL STREET, SALEM, WA 01970
(Name and address of NPT Certificate holder)
2. Manufactured for WASHINGTON PUBLIC POWER SUPPLY SYSTEM, RICHLAND, WA 99352
(Name and address of purchaser)
3. Location of installation WNP-2, RICHLAND, WA 99352
(Name and address)
4. Type *C27108, Rev. 1 SA351-CF8M 85.7KSI N/A 1989
(Drawing no.) (Mat'l. spec. no.) (Tensile strength) (CRN) (Year built)
5. ASME Code, Section III: 1971 N/A 1 N/A
(Edition) (Addenda date) (Class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no.)
- ** 7. Remarks: *Dwg. prepared by A&M. A&M S.O.W. 30393-01. (1) Cover Assembly for 24" Modified
Wedge Gate Valve on A&M Valve Assembly Dwg. F22585, Rev. 1. This certification meets the
requirements of ASME Section III, 1971 Edition, no Addenda. (Continued on reverse side)
8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board Number in Numerical Order
(1) <u>77727-1</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure N/A psi. Temp. N/A °F. Hydro. test pressure N/A at temp. °F
(When applicable)

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 2 and 3 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.

(12/86) This form (2000-40) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2900, Fairfield, NJ 07007-2900.

F-2000

FORM N-2 (back)

Mfr. Serial No. 77727-1

CERTIFICATION OF DESIGN

Design specifications certified by Joseph C. Major P.E. State CA Reg. no. 14695
(when applicable)

Design report* certified by Herbert Cook P.E. State MA Reg. no. 10981
(when applicable)

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) (1) Cover Assembly
 conforms to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization No. N2607 Expires 6-13-89

Date 5/25/89 Name Atwood & Morrill Co., Inc. Signed Brian D. Sullivan
(NPT Certificate Holder) (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 Massachusetts and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected these items described in this Data Report on 5/25/89, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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 loss of any kind arising from or connected with this inspection.

Date 5/25/89 Signed [Signature] Commissions MA 1404
(Authorized Inspector) (Nat'l Bd. incl. endorsements) state or prov. and no.

**7. Remarks (Continued)

Cover Assembly consists of the following parts:

<u>NAME</u>	<u>QTY.</u>	<u>MATERIAL</u>	<u>HEAT OR TRACE NO.</u>	<u>SERIAL NO.</u>
Cover	1	SA351-CF8M	Heat No. 49389	77727-1
Pipe	2	SA312-TP316	Heat No. 475155	1 and 7
Elbow	1	SA182-F316	Trace No. NB	(N/A)
Boss	1	SA479-TP316	Heat No. 692017	1

PLAN No. 2-0712

Quidip Supb
3/27/92.

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL
NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III
Not To Exceed One Day's Production

Pg. 1 of 1

1. Manufactured and certified by ATWOOD & MORRILL CO., INC., 285 CANAL STREET, SALEM, MA 01970
(Name and address of NPT Certificate holder)
2. Manufactured for WASHINGTON PUBLIC POWER SUPPLY SYSTEM, RICHLAND, WA 99352
(Name and address of purchaser)
3. Location of installation WNP-2, RICHLAND, WA 99352
(Name and address)
4. Type *C27108, Rev. 1 SA351-CF8M 85.7 KSI N/A 1989
(drawing no.) (mat. l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III: 1971 N/A 1 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no.)

- ** 7. Remarks: *Dwg. prepared by A&M. A&M S.O.W. 30393-01 (1) Cover Assembly for 24" Modified
Wedge Gate Valve on A&M Valve Assembly Dwg. F22585, Rev. 1. This certification meets the
requirements of ASME Section III, 1971 Edition, no Addenda. (Continued on reverse side)

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>77727-2</u>	<u>N/A</u>
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board Number in Numerical Order
(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)	

10. Design pressure N/A psi. Temp. N/A °F. Hydro. test pressure N/A at temp. °F
(when app-2a21e)

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 3" x 11", (2) information in items 2 and 3 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.

F 5-2-89

FORM N-2 (back)

Mfr. Serial No. 77727-2

CERTIFICATION OF DESIGN

Design specifications certified by Joseph C. Major P.E. State CA Reg. no. 14695
(When applicable)Design report* certified by Herbert Cook P.E. State MA Reg. no. 10981
(When applicable)

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) (1) Cover Assembly
conforms to the rules of construction of the ASME Code, Section III.NPT Certificate of Authorization No. N2607 Expires 6-13-89Date 5/25/89 Name Atwood & Morrill Co., Inc. Signed Brian D. Sullivan
(NPT Certificate Holder) (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 Massachusetts and employed by H. S. B. I. & I. Co. of Hartford, CT have inspected these items described in this Data Report on 5/25/89 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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 loss of any kind arising from or connected with this inspection.

Date 5/25/89 Signed [Signature] Commissions MA1404
(Authorized Inspector) (Nat'l Bd. Incl. endorsements) state or prov. and no.** 7. Remarks (Continued)

Cover Assembly consists of the following parts:

<u>NAME</u>	<u>QTY.</u>	<u>MATERIAL</u>	<u>HEAT OR TRACE NO.</u>	<u>SERIAL NO.</u>
Cover	1	SA351-CF8M	Heat No. 49389	77727-2
Pipe	2	SA312-TP316	Heat No. 475155	2 and 8
Elbow	1	SA182-F316	Trace No. NB	(N/A)
Boss	1	SA479-TP316	Heat No. 692017	2



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0713

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 Recirculation Cooling (RRC) System
5. (a) Applicable Construction Code: ASME Section III Code Class 1, 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: 9/3/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
RRC-V-67A	Atwood & Morrill	3-336	N/A	N/A	1974	Replacement	Yes, Code Class 1

7. Description of Work: Installed new parts for valve RRC-V-67A. The replacement work was performed as follows
- 1) Installed new guide channel flange on the valve body shelf
 - 2) Made required welds
 - 3) Performed PT examination on the final welds. PT examination results acceptable
 - 4) Performed VT-3 visual examination on the internal accessible surfaces of the existing valve body. VT-3 visual examination results acceptable
 - 5) Machined the seating (hard faced) surfaces of the new disc (wedge)
 - 6) Performed PT examination on the final machined seating (hard faced) surfaces of the new disc (wedge). PT examination results acceptable
 - 7) Installed the new disc (wedge) in the valve
 - 8) Installed the new bonnet cover assembly on the valve
 - 9) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0713

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ None
Test Pressure: 1000 Psig Test Temperature: 538° F
Component Design Pressure: 1675 Psig Temperature: 575° F

9. Remarks: See attached N-2 Code Data Report for the following new valve parts
Disc (wedge), Serial No 77728-1
Bonnet cover assembly, Serial No 77727-1

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 Rudip Suijs Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 9/3/92 Date 9-3-92

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 2/21/92 to 9/9/92 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 IN NBI
Inspector's Signature National Board, State, and Endorsements

Date 9/9/92

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III
Not To Exceed One Day's Production

Pg. 1 of 1

1. Manufactured and certified by Acwood & Merrill Co. Inc. 285 Canal St., Salem, WA 01970
(Name and address of NPT Certificate holder)
2. Manufactured for Washington Public Power Supply System, Richland, WA 99352
(Name and address of purchaser)
3. Location of installation WNP-2, Richland, WA 99352
(Name and address)
4. Type *22581-F, Rev. 2* SA351-CF8M 84.4 KSI N/A 1989
(Drawing no.) (Mat'l. spec. no.) (Tensile strength) (CRN) (Year built)
5. ASME Code, Section III: 1971 N/A 1 N/A
(Edition) (Addenda date) (Class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(Div.)
7. Remarks: *Dwg. prepared by A&M. A&M S.O.W. 30393-02 (2) Discs for Modified Wedge 24" Gate Valve on A&M Valve Assembly Dwg. F22585, Rev. 1. Material Heat No. 49189. This certification meets the requirements of ASME Section III, 1971 Edition, no Addenda.
8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dis. ID (ft & in.) N/A Length overall (ft & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board Number in Numerical Order
(1) 77728-1	N/A	(26)	
(2) 77728-2	N/A	(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8) RRC-V-67A SIN 77728-1 Disc		(33)	
(9)		(34)	
(10)		(35)	
(11) <i>Quincy Sup</i>		(36)	
(12) <i>7/2/92.</i>		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure N/A psi. Temp. N/A °F. Hydro. test pressure N/A at temp. °F
(When Applicable)

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 2 and 3 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.

(12.36)

This form (EG00-01) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

FORM N-2 (back)

77728-1

Mfr. Serial No. 77728-2

CERTIFICATION OF DESIGN

Design specifications certified by Joseph C. Major P.E. State CA Reg. no. 14695
(when applicable)

Design report* certified by Herbert Cook P.E. State MA Reg. no. 10981
(when applicable)

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Discs
conforms to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization No. N2607 Expires 6-13-89

Date 5/19/89 Name Atwood & Morrill Co., Inc. Signed Bernard L. Quinn
(NPT Certificate holder) (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 Massachusetts and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected these items described in this Data Report on 5/19/89, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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 loss of any kind arising from or connected with this inspection.

Date 5/19/89 Signed Paul R. Schuchman Commissions MA 1404
(Authorized Inspector) (Nat'l. Bd. incl. endorsements) state or prov. and no.

PLAN No. 2-0713

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL
NUCLEAR PARTS AND APPURTENANCES*As Required by the Provisions of the ASME Code, Section III
Not To Exceed One Day's ProductionPg. 1 of 1

1. Manufactured and certified by ATWOOD & MORRILL CO., INC., 285 CANAL STREET, SALEM, MA 01970
(Name and address of NPT Certificate Holder)
2. Manufactured for WASHINGTON PUBLIC POWER SUPPLY SYSTEM, RICHLAND, WA 99352
(Name and address of purchaser)
3. Location of installation WNP-2, RICHLAND, WA 99352
(Name and address)
4. Type *C27108, Rev. 1 SA351-CF8M 85.7KSI N/A 1989
(drawing no.) (mat'l. spec. no.) (tensile strength) (ICRN) (year built)
5. ASME Code, Section III: 1971 N/A 1 N/A
(edition) (addenda date) (IC1333) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no.)

- ** 7. Remarks: *Dwg. prepared by A&M. A&M S.O.W. 30393-01. (1) Cover Assembly for 24" Modified Wedge Gate Valve on A&M Valve Assembly Dwg. F22585, Rev. 1. This certification meets the requirements of ASME Section III, 1971 Edition, no Addenda. (Continued on reverse side)

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board Number in Numerical Order
(1) <u>77727-1</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8) <u>RRC-V-67A, S/N 77727-1 BONNET</u>		(33)	
(9)		(34)	
(10)		(35)	
(11) <u>Quincy Supb</u>		(36)	
(12) <u>7/21/82</u>		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure N/A psi. Temp. N/A °F. Hydro. test pressure N/A at temp. °F
(when applicable)

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 3 1/2 x 11, (2) information in items 2 and 3 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.

(12/86)

This form (E00043) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

F-5

FORM N-2 (back)

Mfr. Serial No. 77727-1

CERTIFICATION OF DESIGN

Design specifications certified by Joseph C. Major P.E. State CA Reg. no. 14695
(when applicable)

Design report* certified by Herbert Cook P.E. State MA Reg. no. 10981
(when applicable)

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) (1) Cover Assembly
 conforms to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization No. N2607 Expires 6-13-89

Date 5/25/89 Name Atwood & Morrill Co., Inc. Signed Brian D. Sullivan
(NPT Certificate Holder) (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 Massachusetts and employed by H.S.B.I. & I. Co.

of Hartford, CT have inspected these items described in this Data Report on 5/25/89, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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 loss of any kind arising from or connected with this inspection.

Date 5/25/89 Signed [Signature] Commissions MA 1404
(Authorized Inspector) (Nat'l Bd. Incl. endorsements) state or prov. and no.]

**7. Remarks (Continued)

Cover Assembly consists of the following parts:

<u>NAME</u>	<u>QTY.</u>	<u>MATERIAL</u>	<u>HEAT OR TRACE NO.</u>	<u>SERIAL NO.</u>
Cover	1	SA351-CF8M	Heat No. 49389	77727-1
Pipe	2	SA312-TP316	Heat No. 475155	1 and 7
Elbow	1	SA182-F316	Trace No. NB	(N/A)
Boss	1	SA479-TP316	Heat No. 692017	1



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: 9/3/92
Address: 3000 George Washington Way, Richland, Washington Sheet: 1 of 1
2. Plant: Washington Public Power Supply System (WPPSS) Nuclear Power Plant (WNP) Unit: WNP-2
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 Recirculation Cooling (RRC) System
5. (a) Applicable Construction Code: ASME Section III Code Class 1, 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

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
RRC-V-67B	Atwood & Morrill	4-336	N/A	N/A	1974	Replacement	Yes, Code Class 1

7. Description of Work: Installed new parts for valve RRC-V-67B. The replacement work was performed as follows
- 1) Installed new guide channel flange on the valve body shelf
 - 2) Made required welds
 - 3) Performed PT examination on the final welds. PT examination results acceptable
 - 4) Ground excess boss material on the valve body guide area
 - 5) Performed PT examination on the final ground areas. PT examination results acceptable
 - 6) Performed VT-3 visual examination on the internal accessible surfaces of the existing valve body. VT-3 visual examination results acceptable
 - 7) Machined the seating (hard faced) surfaces of the new disc (wedge)
 - 8) Performed PT examination on the final machined seating (hard faced) surfaces of the new disc (wedge). PT examination results acceptable
 - 10) Installed the new disc (wedge) in the valve
 - 11) Installed the new bonnet cover assembly on the valve
 - 12) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0714

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ None
Test Pressure: 1000 Psig Test Temperature: 538° F
Component Design Pressure: 1675 Psig Temperature: 575° F

9. Remarks: See attached N-2 Code Data Report for the following new valve parts

Disc (wedge), Serial No 77728-2

Bonnet cover assembly, Serial No 77727-2

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 Rudip Euph Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 9/3/92 Date 9-3-92

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 2/21/92 to 9/9/92 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 9/9/92

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL
NUCLEAR PARTS AND APPURTENANCES*As Required by the Provisions of the ASME Code, Section III
Not To Exceed One Day's ProductionPg. 1 of 1

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal St., Salem, MA 01970
(Name and address of NPT Certificate holder)
2. Manufactured for Washington Public Power Supply System, Richland, WA 99352
(Name and address of purchaser)
3. Location of installation WNP-2, Richland, WA 99352
(Name and address)
4. Type *22581-F, Rev. 2* SA351-CF8M 84.4 KSI N/A 1080
(Drawing no.) (Mat'l. spec. no.) (Tensile strength) (CRN) (Year Built)
5. ASME Code, Section III: 1971 N/A 1 N/A
(Edition) (ASME Code) (ASME Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(Div. 2 only)
7. Remarks: *Dwg. prepared by A&M, A&M S.O.W. 30393-02 (2) Discs for Modified Wedge 24" Gate Valve on A&M Valve Assembly Dwg. F22585, Rev. 1. Material Heat No. 49189. This certification meets the requirements of ASME Section III, 1971 Edition, no Addenda.
8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board Number in Numerical Order
(1) <u>77728-1</u>	<u>N/A</u>	(26)	
(2) <u>77728-2</u>	<u>N/A</u>	(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9) <u>RRC-V-67B, 151N 77728-2 DISC</u>		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13) <u>Quincy Supply</u>		(38)	
(14) <u>7/2/92</u>		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure N/A psi. Temp. N/A °F. Hydro. test pressure N/A psi. (when applicable)

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 3 1/2" x 11", (2) information in items 2 and 3 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.

(12.96)

This form (ECCG-40) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

FORM N-2 (back)

77728-1

Mfr. Serial No. 77728-2

CERTIFICATION OF DESIGN

Design specifications certified by Joseph C. Major P.E. State CA Reg. no. 14695
(when applicable)
Design report* certified by Herbert Cook P.E. State MA Reg. no. 10981
(when applicable)

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Discs
conforms to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization No. N2607 Expires 6-13-89
Date 5/19/89 Name Atwood & Morrill Co., Inc. Signed Burish Sullivan
(NPT Certificate holder) (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 Massachusetts and employed by H.S.B.L. & I. Co. of Hartford, CT have inspected these items described in this Data Report on 5/19/89, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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 loss of any kind arising from or connected with this inspection.

Date 5/19/89 Signed [Signature] Commissions MA 1404
(Authorized Inspector) (Nat'l Bd. Incl. endorsements) state or prov. and no.]

PLAN No. 2-0714.

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL
NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III
Not To Exceed One Day's Production

Pg. 1 of 1

1. Manufactured and certified by ATWOOD & MORRILL CO., INC., 285 CANAL STREET, SALEM, MA 01970
(name and address of NPT Certificate holder)
2. Manufactured for WASHINGTON PUBLIC POWER SUPPLY SYSTEM, RICHLAND, WA 99352
(name and address of purchaser)
3. Location of installation WNP-2, RICHLAND, WA 99352
(name and address)
4. Type *C27108, Rev. 1 SA351-CF8M 85.7 KSI N/A 1989
(drawing no.) (mat. l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III: 1971 N/A 1 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(info.)

- ** 7. Remarks: *Dwg. prepared by A&M. A&M S.O.W. 30393-01 (1) Cover Assembly for 24" Modified Wedge Gate Valve on A&M Valve Assembly Dwg. F22585, Rev. 1. This certification meets the requirements of ASME Section III, 1971 Edition, no Addenda. (Continued on reverse side)
8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>77727-2</u>	<u>N/A</u>
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12) <u>RRC-V-67B, S/N 77727-2 BONNET</u>	
(13)	
(14)	
(15) <u>Relay Supp</u>	
(16) <u>7/2/92.</u>	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board Number in Numerical Order
(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)	

10. Design pressure N/A psi. Temp. N/A °F. Hydro. test pressure N/A psi. Temp. N/A °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 3" x 11", (2) information in items 2 and 3 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 35)

This form (ECG040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

2-5-21-89

FORM N-2 (back)

Mfr. Serial No. 77727-2

CERTIFICATION OF DESIGN

Design specifications certified by Joseph C. Major P.E. State CA Reg. no. 14695
(when applicable)

Design report* certified by Herbert Cook P.E. State MA Reg. no. 10981
(when applicable)

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) (1) Cover Assembly
 conforms to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization No. N2607 Expires 6-13-89

Date 5/25/89 Name Atwood & Morrill Co., Inc. Signed Brian A. Sullivan
(NPT Certificate Holder) (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 Massachusetts and employed by H.S.B.I. & T. Co. of Hartford, CT have inspected these items described in this Data Report on 5/25/89 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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 loss of any kind arising from or connected with this inspection.

Date 5/25/89 Signed [Signature] Commissions MA 1404
(Authorized Inspector) (Nat'l Bd. (incl. endorsement) state or prov. and no.)

** 7. Remarks (Continued)

Cover Assembly consists of the following parts:

<u>NAME</u>	<u>QTY.</u>	<u>MATERIAL</u>	<u>HEAT OR TRACE NO.</u>	<u>SERIAL NO.</u>
Cover	1	SA351-CF8M	Heat No. 49389	77727-2
Pipe	2	SA312-TP316	Heat No. 475155	2 and 8
Elbow	1	SA182-F316	Trace No. NB	(N/A)
Boss	1	SA479-TP316	Heat No. 692017	2



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0717

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: Controlled Chilled Water (CCH) System
5. (a) Applicable Construction Code ASME Section III Code Class 3, 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

Date: 6/2/92
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
CCH-CR-1A	York	2510	55256	N/A	1980	Replacement	Yes, Code Class 3

7. Description of Work: Replaced tubes in the condenser section of CCH-CR-1A. The replacement work was performed as follows
- 1) Removed existing tubes
 - 2) Installed new tubes



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0717

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: 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 Dudley Sings
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 6/3/92

Date 6-3-92

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 9/17/91 to 6/3/92 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 9556 W NBI
National Board, State, and Endorsements

Date 6/5/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0722

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: Service Water (SW) 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: 4/6/92
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
SW(1)-1	WPPSS	SW(1)-1-P1	N/A	N/A	1983	Repair	Yes, Code Class 3

7. Description of Work: Cut and rewelded Weld No 867 shown on Dwg No SW-506-1.8. The repair work was performed as follows
- 1) Cut existing circumferential butt weld
 - 2) Beveled cut pipe and elbow ends
 - 3) Made circumferential butt weld
 - 4) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0722

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Test Pressure: 343 Psig Test Temperature: 73.6° F
Component Design Pressure: 309 Psig Temperature: 150° F

9. Remarks: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this repair 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 Quincy Sipe
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 4/6/92

Date 4-6-92

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 12/20/91 to 4/7/92 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 4/7/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0723

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: Controlled Chilled Water (CCH) 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: 4/6/92
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
SW(21)-2	WPPSS	SW(21)-2-P1	N/A	N/A	1983	Repair	Yes, Code Class 3

7. Description of Work: Cut and rewelded Weld No 15 shown on Dwg No CCH-101-1.6. The repair work was performed as follows
- 1) Cut existing circumferential butt weld
 - 2) Beveled cut pipe and elbow ends
 - 3) Made circumferential butt weld
 - 4) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0723

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Test Pressure: 112 Psig Test Temperature: 73° F
Component Design Pressure: 100 Psig Temperature: 100° F

9. Remarks: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this repair 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 Rudip Supb
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 4/6/92

Date 4-6-92

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 12/20/91 to 4/7/92 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 9556 W NBI
National Board, State, and Endorsements

Date 4/7/92



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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Process Instrument (PI) System
5. (a) Applicable Construction Code: ASME Section III Code Class 1, 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

Date: 9/21/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's 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-X78b	JCI	PI(1)-4S-X78b	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. Description of Work: Rerouted (modified) process instrument line PI(1)-4S-X78b and installed valve LPCS-V-84. The work was performed as follows

- 1) Cut and removed existing pipe
- 2) Installed new pipe, fitting material and new valve LPCS-V-84
- 3) Made required socket welds
- 4) Performed PT examination on the final socket welds. PT examination results acceptable
- 5) Installed new support material
- 6) Made required welds
- 7) Performed MT examination on the final welds. MT examination results acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0724

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 new valve LPCS-V-84, Serial No 25458

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 Rudip Sup's Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 9/21/92 Date 9-22-92

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 4/16/92 to 9/23/92 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 9/23/92

PLAN NO. 2-0724

Kulaip. Gifts
 VALUES. 9/18/92.

FORM NPV-1 MANUFACTURER'S DATA REPORT FOR NUCLEAR PUMPS OR VALVES.

As Required by the Provisions of the ASME Code Rules

1. Manufactured by Nuclear Valve Division
of Borg Warner, 7500 Tyrone Ave., Van Nuys, CA Order No. 47713
(Name & Address of Manufacturer)

2. Manufactured for Boves & Crail/G.E.R.I.
P.O. Box 1040, Richland, Washington 99132 Order No. 215-3261Q
(Name and Address)

3. Owner WPPSS Hanford #2 Job Site

4. Location of Plant Richland, Washington 99132

5. Pump or Valve Identification Nuclear Valve Div., P/N 76570-1, 3/4 Inch Y Globe Valve, SS. 150

Serial Numbers 25454 thru 25458 (5 Valves)

(Brief description of service for which equipment was designed)

(a) Drawing No. 76570- Prepared by Nuclear Valve Division of Borg Warner

(b) National Board No. _____

0 B 6 1 7

6. Design Conditions 3600 psi 100 °F
(Pressure) (Temperature)

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

Edition 1971, Addenda Date Winter 1973, Case No. _____

[illegible]

2. Hydrostatic test 5400-5450 psi.

Design information on file as NVD of Borg Warner, 7500 Tyrone Avenue, Van Nuys, CA
 Stress analysis report on file as NVD of Borg Warner, 7500 Tyrone Av., Van Nuys, CA
 Design specifications certified by David J. Murphy (1) Prof. Eng. State Wash Reg. No. 12542
 Stress analysis report certified by Byron Leonard (1) Prof. Eng. State CA Reg. No. E123
 (1) Signature not required. List name only.

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

Date Sept. 15 19 77 Signed Nuclear Valve Div.
of Borg Warner by Carol M. Parker

Continuation of Authorization No. W-1234 expires October 27, 1978

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of California and employed by Lawrence M. & Mutual Casualty of Long Grove, Illinois, have inspected 1 equipment described in this Data Report on Sept. 13, 1977, 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 II.

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 Sept., 13 1977

15-15342

[Signature]

Commissioner CA-1275
(Housing, Social, Economic and Public)

1990

15342



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0725

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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Containment Instrument Air (CIA) System
5. (a) Applicable Construction Code: ASME Section III Code Class 2, 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: 9/21/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
CIA(3)-2	WPPSS	CIA(3)-2-P1	N/A	N/A	1983	Replacement	Yes, Code Class 2

7. Description of Work: Rerouted (modified) CIA lines and installed valves CIA-V-764 and CIA-V-766. The work was performed as follows

- 1) Cut and removed existing pipe
- 2) Installed new pipe, fitting material and new valves CIA-V-764 and CIA-V-766
- 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 2-0725

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 following new valves

Valve EPN	Serial No
CIA-V-764	18
CIA-V-766	19

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 Quairp Sripb Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 9/21/92 Date 9-22-92

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 2/26/92 to 9/23/92 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 1182
Inspector's Signature National Board, State, and Endorsements
Date 9/23/92

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting	NA		
(d) Other Parts			
V52619-5293-4	ASME SA-479	CarTech	Lot J373NU
V52646-5292-1	ASME SA-479	CarTech	Lot J351NU

9. Hydrostatic test 3250 psi. Disk Differential test pressure 100 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. I, Edition 1974.

Addenda Winter 1975 Code Case No. NA Date September 17, 1982

Signed Valcor Engineering Corp. by [Signature]

(In Certificate Holder)

Our ASME Certificate of Authorization No. 1076 to use the ASME symbol expires 5/6/84

(IN)

(Date)

CERTIFICATION OF DESIGN

Design information on file at Valcor Engineering Corp.

Stress analysis report (Class 1 only) on file at NA

Design specifications certified by (1) Stanley Fox / John Jugl

PE State Washington Reg. No. 16168 / 19393

Stress analysis certified by (1) NA

PE State NA Reg. No. NA

(1) Signature not required. List name only.

FOR INFORMATION ONLY

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 New Jersey and employed by *Factory Mutual System of Norwood, Mass. have inspected the pump, or valve, described in this Data Report on Sept 17, 1982 and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III. *Allendale Ins. Co.

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 manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date Sept. 17, 1982

R. D. Binst
(Inspector)

Commissions NJ 206

(Nat'l Bd., State, Prov. and No.)



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0726

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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: High Pressure Core Spray (HPCS) System
5. (a) Applicable Construction Code: ASME Section III Code Class 2, 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: 9/14/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
HPCS(1)-4CL2	WPPSS	HPCS(1)-4CL2-P2	N/A	N/A	1982	Repair	Yes, Code Class 2

7. Description of Work: Modified connection with valves HPCS-V-57 and HPCS-V-718. The work was performed as follows
- 1) Cut and removed the existing connection
 - 2) Beveled the existing socket end for butt welding
 - 3) Performed PT examination on the beveled end of the existing socket. PT examination results acceptable
 - 4) Beveled the inlet side of the existing valve HPCS-V-57 socket end for butt welding
 - 5) Performed PT examination on the beveled end of the valve. PT examination results acceptable
 - 6) Reinstalled the connection and made required circumferential butt weld
 - 7) Performed RT examination on the final circumferential butt welds. RT examination results acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0726

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ None
Test Pressure: P_{sig} Test Temperature: °F
Component Design Pressure: P_{sig} Temperature: °F

9. Remarks: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this repair 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 Dwight Snipe Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 9/14/92 Date 9-15-92

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 2-10-92 to 4-17/92 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 955660 NBI
Inspector's Signature National Board, State, and Endorsements

Date 9/18/92



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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Reactor Core Isolation Cooling (RCIC) System
5. (a) Applicable Construction Code ASME Section III Code Class 2, 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: 5/4/92
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
RCIC(1)-4CL2	WPPSS	RCIC(1)-4CL2-P1	N/A	N/A	1984	Replacement	Yes, Code Class 2

7. Description of Work: Installed valve RCIC-V-215 for RCIC-P1-11. The installation work was performed as follows
- 1) Beveled the new sockolet socket end for butt welding
 - 2) Performed PT examination on the sockolet beveled end. PT examination results acceptable
 - 3) Beveled the new valve socket end for butt welding
 - 4) Performed PT examination on the valve beveled end. PT examination results acceptable
 - 5) Installed the sockolet and the valve and made required welds
 - 6) Performed MT examination on the final sockolet to existing pipe weld. MT examination results acceptable
 - 7) Performed RT examination on the final sockolet to valve circumferential butt weld. RT examination results acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0727

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 valve RCIC-V-215, Serial No 80124

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 Dwain E. Eubank
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 5/4/92

Date 5-6-92

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 11/4/91 to 5/6/92 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 9556 W NBI
National Board, State, and Endorsements

Date 5/7/92

PLAN No. 2-0727
Outline Imp. 5
 5/2/92.

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES
 As Required by the Provisions of the ASME Code, Section III, Div. 1

1. Manufactured by Nuclear Valve Div., Borg Warner, 7500 Tyne Ave., Van Nuys, Calif.
(Name and Address of N Certificate Holder)
 2. Manufactured for Washington Public Power Supply Systems, Richland, Washington
(Name and Address of Purchaser or Owner)
 3. Location of Installation Richland, Washington WPPSS Hanford #2 Job Site
(Name and Address)
 4. Pump or Valve Y Globe Valve Nominal Inlet Size 3/4 Outlet Size 3/4
(inch) (inch)

	(a) Model No. Series No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l Std. No.	(g) Year Built
(1)	1500F	80107 thru 80128	N/A	76390-2	1	N/A	1983
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. The valves are designed to handle a fluid media which includes steam, water
condensate, hot water, etc., associated with a PWR and BWR. The
(Brief description of service for which equipment was designed)
temperature pressure rating of the media is stated below.

6. Design Conditions 3600 psi 100 °F or Valve Pressure Class N/A (1)
(Pressure) (Temperature)
 7. Cold Working Pressure 3600 psi at 100°F.
 8. Pressure Retaining Flanges

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
Disc-Code 5F55	Stellite #6	Rex Precision	
5F32			
(b) Forgings			
Body-Code 5E99	SA 105	Pacific Forge	

(1) For manually operated valves only.
 * Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in

[illegible]

9. Hydraulic test 5400 psi. Disk Differential test pressure 3600 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1974

Addenda Winter '73 Code Case No. N/A Date 1/31/73

Signed Nuclear Value Div. John Warner by John Warner
(N Certificate holder)

Cur ASME Certificate of Authorization No. H-1254 to use the H symbol expires 10/27/24
(Date)

CERTIFICATION OF DESIGN

Design information on file at HYD of Borg Warner, 7500 Tyngs Ave., Van Nuys: Ca. 91409

Street analysis report (Class 1 only) on file at NVD of Borg Warner, 7560 Trone Ave., Van Nuys, Ca.

Design specifications certified by (1) David J. Murphy

PE State Washington Reg. No. 12542

Stress analysis certified by (1) Byron E. Leonard

(1) Signature not required. List name only.

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 California and employed by Lucas's Vertical Crane of Long Beach, Illinois have inspected the pump, or valve, described in this Data Report on 950 1953, and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the 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.



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: 8/24/92
Address: 3000 George Washington Way, Richland, Washington Sheet: 1 of 1
2. Plant: Washington Public Power Supply System (WPPSS) Nuclear Power Plant (WNP) Unit: WNP-2
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: High Pressure Core Spray (HPCS) System
5. (a) Applicable Construction Code: ASME Section III Code Class 2, 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's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
HPCS(1)-4CL2	WPPSS	HPCS(1)-4CL2-P2	N/A	N/A	1982	Replacement	Yes, Code Class 2

7. Description of Work: Fabricated restricting orifice (RO) plates for HPCS-RO-8 and HPCS-RO-9. The fabrication work was performed as follows

- 1) Cut plate material to the required dimensions
- 2) Fabricated two (2) restricting orifice (RO) plates
- 3) The restricting orifice (RO) plates were installed in accordance with ASME Section XI Plan No 2-0732
- 4) Pressure test to confirm pressure boundary integrity was performed in accordance with ASME Section XI Plan No 2-0732



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0730

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: None

* See ASME Section XI Plan No 2-0732

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 Rudip Singh
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 8/25/92

Date 8-25-92

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 1-28-92 to 8/25/92 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 8/25/92



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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: High Pressure Core Spray (HPCS) System
5. (a) Applicable Construction Code: ASME Section III Code Class 2, 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: 8/25/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
HPCS(1)-4CL2	WPPSS	HPCS(1)-4CL2-P2	N/A	N/A	1982	Replacement	Yes, Code Class 2

7. Description of Work: Fabricated spool piece for HPCS-RO-8 and HPCS-RO-9. The fabrication work was performed as follows
- 1) Cut new pipe to the required length
 - 2) Beveled cut pipe ends
 - 3) Performed PT examination on the beveled pipe ends. PT examination results acceptable
 - 4) Assembled new pipe and flanges
 - 5) Made required circumferential butt welds
 - 6) Performed RT examination on the final circumferential butt welds. RT examination results acceptable
 - 7) Performed MT and UT examination on the final circumferential butt welds for ISI. MT and UT examination results acceptable
 - 8) Installed piping material for the new connection
 - 9) Made required welds
 - 10) Performed PT examination on the final welds. PT examination results acceptable
 - 11) Fabricated spool piece was installed in accordance with ASME Section XI Plan No 2-0732
 - 12) Pressure test to confirm pressure boundary integrity was performed in accordance with ASME Section XI Plan No 2-0732



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0731

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: None

* See ASME Section XI Plan No 2-0732

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 Purdip Singh Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 8/26/92 Date 8-26-92

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 1/28/92 to 8/26/92 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 NBE
Inspector's Signature National Board, State, and Endorsements

Date 8/24/92



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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: High Pressure Core Spray (HPCS) System
5. (a) Applicable Construction Code: ASME Section III Code Class 2, 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: 9/16/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
HPCS(1)-4CL2	WPPSS	HPCS(1)-4CL2-P2	N/A	N/A	1982	Repair	Yes, Code Class 2

7. Description of Work: Installed pipe spool piece and restricting orifice (RO) plates for HPCS-RO-8 and HPCS-RO-9. The installation work was performed as follows

- 1) Cut and removed existing restricting orifice (RO) HPCS-RO-4
- 2) Beveled cut pipe ends
- 3) Performed PT examination on the beveled pipe ends. PT examination results acceptable
- 4) Installed new flanges and made required circumferential butt welds
- 5) Performed RT examination on the final circumferential butt welds. RT examination results acceptable
- 6) Performed MT and UT examination on the final circumferential butt welds for ISI. MT and UT examination results acceptable
- 7) Installed restricting orifice (RO) plates which were fabricated in accordance with ASME Section XI Plan No 2-0730
- 8) Installed pipe spool piece which was fabricated in accordance with ASME Section XI Plan No 2-0731
- 9) Installed new bolting material for the flanged joints
- 10) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0732

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ None
Test Pressure: 1980 Psig Test Temperature: 75° F
Component Design Pressure: 1575 Psig Temperature: 212° F

9. Remarks: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this repair 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 Quaid Snipe Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 9/16/92 Date 9-17-92

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 2/10/92 to 9/18/92 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 IN NBE
Inspector's Signature National Board, State, and Endorsements

Date 9/18/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0738

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: Residual Heat Removal (RHR) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No) Code Class
RHR(1)-4A	WPPSS	RHR(1)-4A-P1	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. Description of Work: Fabricated and installed modified connection with valves RHR-V-157A and RHR-V-158A. The fabrication and installation work was performed as follows

- 1) Fabricated carbon steel pipe nipple
- 2) Performed PT examination on the final machined surfaces of the carbon steel pipe nipple. PT examination results acceptable
- 3) Fabricated stainless pipe nipple
- 4) Performed PT examination on the final machined surfaces of the stainless steel pipe nipple. PT examination results acceptable
- 5) Beveled the socket ends of two (2) new valves for butt welding
- 6) Performed PT examination on the beveled ends of both the valves. PT examination results acceptable
- 7) Cut and removed the existing connection
- 8) Installed pipe nipples and valves and made required welds
- 9) Performed PT examination on the final welds. PT examination results acceptable
- 10) Performed RT examination on the final circumferential butt welds. RT examination results acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0738

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ None
Test Pressure: P_{sig} Test Temperature: °F
Component Design Pressure: P_{sig} Temperature: °F

9. Remarks: See attached NPV-1 Code Data Report for the following new valves
RHR-V-157A, Serial No PB 1155
RHR-V-158A, Serial No PB 1154

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 Quaid E. Smith
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 6/25/92

Date 6-27-92

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 4-21-92 to 6-30-92 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 9550 W NBI
National Board, State, and Endorsements

Date 6-30-92

Quadrup Sup's
6/24/92.

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

- | (a) Model No.
Series No.
or Type | (b) N Certificate Holder's
Serial
No. | (c) Canadian
Registration
No. | (d) Drawing
No. | (e) Class | (f) Nat'l.
Bd. No. | (g) Year
Built |
|----------------------------------------|---------------------------------------------|-------------------------------------|--------------------|-----------|-----------------------|-------------------|
|----------------------------------------|---------------------------------------------|-------------------------------------|--------------------|-----------|-----------------------|-------------------|

Quaid-e-Azam

6. Design Conditions 3600 psi 100 °F or Valve Pressure Class _____ (1)
(Pressure) (Temperature)
7. Cold Working Pressure 3600 psi at 100°F.
8. Pressure Retaining Places _____

5/15/15
H. H. H.

* 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 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets

Date 5-8-1972
William W. Lipp
(Inspector)

Commissions Ca 1494
(Nat'l Bd. State. Prov. and No.)



**WASHINGTON PUBLIC POWER
SUPPLY SYSTEM**

PLAN NO 2-0741

**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: Residual Heat Removal (RHR) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No) Code Class
RHR(1)-4A1	WPPSS	RHR(1)-4A1-P1	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. Description of Work: Fabricated and installed modified connection with valves RHR-V-161A and RHR-V-162A. The fabrication and installation work was performed as follows

- 1) Fabricated two (2) carbon steel pipe nipples
- 2) Performed PT examination on the final machined surfaces of both the carbon steel pipe nipples. PT examination results acceptable
- 3) Beveled the socket ends of two (2) new valves for butt welding
- 4) Performed PT examination on the beveled ends of both the valves. PT examination results acceptable
- 5) Cut and removed the existing connection
- 6) Installed pipe nipples and valves and made required welds
- 7) Performed PT examination on the final welds. PT examination results acceptable
- 8) Performed RT examination on the final circumferential butt welds. RT examination results acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0741

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 following new valves
RHR-V-161A, Serial No PB 1136
RHR-V-162A, Serial No PB 1129

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 *Donald S. Smith* Signed by *[Signature]*
Materials And Inspections Plant Technical Manager
Date 6/25/92 Date 6-27-92

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 4-18-92 to 6-30-92 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

Don V. Vengoth Commissions 9556 W NBI
Inspector's Signature National Board, State, and Endorsements

Date 6-30-92

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

PLAN No. 2-6741

- (a) Model No., (b) N Certificate Holder's (c) Canadian

(g) Year Built

- This form (FD0037) may be obtained from the Order Dept. ASAE 745 E 17th St. New York, N.Y.

[illegible]

9. Hydrostatic test 5400 psi. Disk Differential test pressure 3600 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components. Section III, Div. 1, Edition 1974, Addenda W, 76. Code Case No. N/A. Date Sept. 12, 1990.
Signed DRAGON VALVES (Date) by R. L. [Signature] (N Certificate Holder)
Our ASME Certificate of Authorization No. N-1033 to use the N (N) symbol expires 5-6-93 (Date)

CERTIFICATION OF DESIGN

Design information on file at Wash. Public Power Sup. Systems (See Line 2)
Stress analysis report (Class 1 only) on file at N/A
Design specifications certified by (1) James F. Hagen, Jr.
PE State WA Reg. No. 13579
Stress analysis certified by (1) N/A
PE State _____ Reg. No. _____
(1) Signature not required. List name only.

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 CALIFORNIA and employed by H.S.B: INSP. & INS CO. of HARTFORD, CT. have inspected the pump, or valve, described in this Data Report on 9-14 1990, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the 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 9-14- 1990.
(Inspector) W. J. Smith Commissions C. 21644
(Nat'l Bd., State, Prov. and No.)

PLAN No. 2-0749

FOUR 4-2 MANUFACTURERS DATA REPORT FOR NUCLEAR PART AND APPURTENANCES:

Curtis Sup 5

1/23/92

As required by the Provisions of the ASME Code Rules

1. (a) Manufactured by Bingham-Willamette Company, Portland, OR
(Name and address of Manufacturer of part)
- (b) Manufactured for Washington Public Power Supply System, Richland, WA
(Name and address of Manufacturer of completed nuclear component)
2. Identification-Manufacturer's Serial No. of Part MIN92-17 Part Id. No. 1078
- (a) Constructed According to Drawing No. J1756 Drawing Prepared by Bingham-Willamette Company
- (b) Description of Part Inspected Mechanical Seal type RV8758-2
- (c) Applicable ASME Code: Section III, Edition 1971, Addenda date 1971, Case No. NONE, Class I
3. Remarks: To prevent liquids from seeping from pump (p) same number of
(Brief description of service for which component was designed)
- a.) Seal Holder SN 149295-1 b.) Gland-Under Seal SN 1495282-1
- Seal Hydrotested at 2575 PSI

Note: Items 4-18 not applicable.

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
(The applicable Design Specification and Stress Report are the responsibility of the part Manufacturer. An appurtenance Manufacturer is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date NOV 21 1983 Signed INDIAN WILLAMETTE COMPANY
PORTLAND, OREGON

Certificate of Authorization Expires February 28, 1986 Certificate of Authorization No. N-15-55

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file is N/A

Stress analysis report on file is N/A

Design specifications certified by N/A Prof. Eng. State Reg. No.

Stress analysis report certified by N/A Prof. Eng. State Reg. No.

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 of Province of Oregon and employed by Government of Commerce have inspected the part of a pressure vessel described in this Manufacturer's Partial Data Report on NOV 21 1983 and state that to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Code Section III.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Manufacturer's Partial 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 NOV 21 1983

[Signature] Commission NB-2036 OR 5
Inspector's Signature National Board, State, Province and No.

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 11" x 17", (2) information in items 1-3 on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 3, "Remarks".

S.O. 11N92-1
ITEM 1N2 Code Data Report
PAGE 2

S/N 11-N92-1

V. G. 4/18/87

FORM N-2 (back)

Items 1-8 fact. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

4. Shells Material T.S. Nominal Thickness in. Corrosion Allowance in. Dia. in. Length ft. in.5. Seams Long H.T. R.T. Efficiency NGirth H.T. R.T. No. of Courses6. Heads (a) Material T.S. (b) Material T.S.

Location Thickness Crown Radius Eccentric Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Rise to Crown (Conv. or Conc.)

(a) (b) If removable, bolts used (Describe or attach notes) Other fastening (Describe or attach notes)7. Jacket Closure: (Describe or attach notes)8. Design pressure: 1650 psi at 575 °F Drop Weight Charpy Impact at temp. of °F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets Stationary Material Dia. Thickness in. Attachment (Welded, Bolted)Flaring Material Dia. Thickness in. Attachment 10. Tubes Material C.D. in. Thickness or spec. Number Type (S.W. or U)

Items 11-14 fact. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shells Material T.S. Nominal Thickness in. Corrosion Allowance in. Dia. in. Length ft. in.12. Seams Long H.T. R.T. Efficiency NGirth H.T. R.T. No. of Courses13. Heads (a) Material T.S. (b) Material T.S.

Location Thickness Crown Radius Eccentric Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Rise to Crown (Conv. or Conc.)

(a) Top, bottom, ends (b) Channel: If removable, bolts used (a) (b) (c) Other fastening (Describe or attach notes)14. Design pressure: psi at °F Drop Weight Charpy Impact at temp. of °F

Items below to be completed for all vessels where applicable.

15. Safety Valve Orifices Number Size Location

16. Nozzles

Purpose (Inlet, Outlet, Drain) Number Dia. or Size Type Material Thickness Reinforcement Material How Attached

17. Inspection Manholes, No. Size Location Openings Manholes, No. Size Location Threaded, No. Size Location 18. Supporter Skirt Legs (Number) Legs (Number) Other (Describe) Attached (Where & How)If Postweld Heat Treatment

S.O. 11-N92-1

ITEM 142 Code Data Report

PAGE 3



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: 8/24/92
Address: 3000 George Washington Way, Richland, Washington Sheet: 1 of 1
2. Plant: Washington Public Power Supply System (WPPSS) Nuclear Power Plant (WNP) Unit: WNP-2
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 Recirculation Cooling (RRC) System
5. (a) Applicable Construction Code: ASME Section III Code Class 1, 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

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
RRC-P-1B	Bingham Willamette	B-2-1035	135	N/A	1974	Replacement	Yes, Code Class 1

7. Description of Work: Replaced mechanical seal for pump RRC-P-1B. The replacement work was performed as follows
1) Removed existing mechanical seal from the pump
2) Installed refurbished (reconditioned) mechanical seal in the pump
3) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0750

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ None
Test Pressure: 1000 Psig Test Temperature: 538° F
Component Design Pressure: 1650 Psig Temperature: 575° F

9. Remarks: See attached N-2 Code Data Report for the mechanical seal Serial No 11N92-1

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 Radip Singh Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 8/25/92 Date 8-25-92

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 10/21/91 to 8/25/92 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 8/25/92

Plan No. 2-0750

FORM N-2 MANUFACTURERS DATA REPORT FOR NUCLEAR PART AND APPURTENANCES

As required by the Provisions of the ASME Code Rules

Philip Smith
7/17/92

1. (a) Manufactured by Bingham-Willamette Company, Portland, OR
(Name and address of Manufacturer of part)
- (b) Manufactured for Washington Public Power Supply System, Richland, WA
(Name and address of Manufacturer of completed nuclear component)
2. Identification-Manufacturer's Serial No. of Part 11H92 - 1 Nat'l Bd. No. 1078
 - (a) Constructed According to Drawing No. J1756 Drawing Prepared by Bingham-Willamette Company
 - (b) Description of Part Inspected Mechanical Seal type RV875B-2
 - (c) Applicable ASME Code: Section III, Edition 1971, Addenda date 1971, Case No. NONE Class 1
3. Remarks: To prevent liquids from escaping from pump, PB Parts consist of:
(Brief description of service for which component was designed)
 - a.) Seal Holder SH 149285-1b.) Gland-Under Seal SH 1495283-1

Seal Hydrotested at 2575 PSI

Notes: Items 4-18 not applicable.

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
(The applicable Design Specification and Stress Report are not the responsibility of the part Manufacturer. An appurtenance Manufacturer is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date NOV 21 1983 Signed BINGHAM-WILLAMETTE COMPANY By *George D. Williams*
PORTLAND, OREGON
(Manufacturer)

Certificate of Authorization Expires February 28, 1986 Certificate of Authorization No. N-16-55

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file as N/A
Stress analysis report on file as N/A
Design specifications certified by N/A Prof. Eng. State Reg. No.
Stress analysis report certified by N/A Prof. Eng. State Reg. No.

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 of Oregon and employed by Department of Commerce, have inspected the part of a pressure vessel described in this Manufacturer's Partial Data Report on NOV 21 1983 and state that to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Code Section III.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Manufacturer's Partial 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 NOV 21 1983
Al Smith Commissioner LB 8036 OR 5
Inspector's Signature National Board, State, Province and No.

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 1-3 on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 3, "Remarks".

S.O. 11H92-1
ITEM 1H2 Code Data Report
PAGE 2

FORM N-2 (back)

Items 4-8 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

4. Shell: Material T.S. Nominal Thickness in. Corrosion Allowance in. Dia. ft. in. Length ft. in.

(Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long H.T. R.T. Efficiency %

Girth H.T. R.T. No. of Courses

6. Heads: (a) Material T.S. (b) Material T.S.

Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (Conv. or Conc.)

(a)

(b)

If removable, bolts used Other fastening

(Material, Spec. No., T.S., Size, Number) (Describe or attach sketch)

7. Jacket Closure:

(Describe as open and weld, bar, etc., if bar give dimensions, if bolted, describe or sketch)

8. Design pressure: 1650 psi at 575 °F

Drop Weight

Charpy Impact ft-lb

at temp. of °F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary, Material Dia. Thickness in. Attachment

(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)

Floating, Material Dia. Thickness in. Attachment

10. Tubes: Material O.D. in. Thickness in. Number Type

(S.W. or U)

Items 11-14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material T.S. Nominal Thickness in. Corrosion Allowance in. Dia. ft. in. Length ft. in.

(Kind & Spec. No.) (Min. of Range Specified)

12. Seams: Long H.T. R.T. Efficiency %

Girth H.T. R.T. No. of Courses

13. Heads: (a) Material T.S. (b) Material T.S.

Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (Conv. or Conc.)

(a) Top, bottom, ends

(b) Channel

If removable, bolts used (a) (b) (c) Other fastening

(Describe or attach sketch)

14. Design pressure: psi at °F

Drop Weight

Charpy Impact ft-lb

at temp. of °F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number Size Location

16. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Material	How Attached

17. Inspection Manholes, No. Size Location

Openings: Handholes, No. Size Location

Threaded, No. Size Location

18. Support Stiff: (Yes or No) Lugs (Number) Legs (Number) Other (Describe) Attached (Where & How)

19. Postweld Heat-Treated,

S.O. IIN92-1

ITEM 142 Code Data Report

PAGE 3



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0751

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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Residual Heat Removal (RHR) System
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's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No) Code Class
D-220-3500-9.0-RHR-PS-18	JCI	D-220-3500-9.0-RHR-PS-18	N/A	N/A	1983	Replacement	Yes, Code Class 2

7. Description of Work: Installed new tubing material and new valve for RHR-PI-18. The installation work was performed as follows
- 1) Installed new tubing material and new valve
 - 2) Made required socket welds
 - 3) Performed PT examination on the final socket welds. PT examination results acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0751

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ None
Test Pressure: P_{sig} Test Temperature: °F
Component Design Pressure: P_{sig} Temperature: °F

9. Remarks: See attached NPV-1 Code Data Report for new valve Serial No PB 1083

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 Dwight Sings
Materials And Inspections

Signed by

[Signature]
Plant Technical Manager

Date 6/25/92

Date

6-27-92

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 2-10-92 to 6-30-92 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

9556 W

NBE

National Board, State, and Endorsements

Date 6-30-92

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES ² G/24/92
As Required by the Provisions of the ASME Code, Section III, Div. 1

1. Manufactured by Dragon Valves, Inc., 13457 Excelsior Dr., Norwalk, CA. 90650
(Name and Address of Manufacturer)
2. Manufactured for Washington Public Power Supply System, P.O. Box 968, Richland, WA. 99352-
(Name and Address of Purchaser or Owner) 0968
3. Location of Installation WNP-2 Site, Richland, WA. 99352
(Name and Address)
4. Pump or Valve Valve Nominal Inlet Size 1/2 Outlet Size 1/2
(Inch) (Inch)

(a) Model No. Series No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Ed. No.	(g) Year Built
----------------------------------------	---------------------------------------------	-------------------------------------	--------------------	-----------	-----------------------	-------------------

(1)	7N058SWD	PB1076	N/A	10580	2	N/A	1985
(2)		chru		Rev. B			
(3)		PB1084					
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Instrument Valves (9 Pcs.)
(Brief description of service for which equipment was designed)

6. Design Conditions: $\frac{3600}{\text{(Pressure)}}$ psi $\frac{100}{\text{(Temperature)}}$ °F or Valve Pressure Class _____ (1)

7. Cold Working Pressure 3600 psi at 100°F

B. Pressure Retaining Pieces

[illegible]

(1) For manually operated valves only.

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

2. Hydrostatic test 5400 psi. Disk Differential test pressure 3600 psi.

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1974.
Addenda Summer '75, Code Case No. N/A, Date _____
(Date)
Signed DRAGON VALVES, INC. by [Signature]
(In Certificate Holder)
Our ASME Certificate of Authorization No. N-1033 to use the N symbol expires 5-6-87.
(In)

Design information on file at Washington Public Power Supply System (See Line 2)
Stress analysis report (Class 1 only) on file at N/A

Design specifications certified by (1) David J. Murphy
PE State WA. Reg. No. 12542
Stress analysis certified by (1) N/A
PE State _____ Reg. No. _____

(1) Signature not required. List name only.

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CALIFORNIA and employed by DOSH of CALIFORNIA have inspected the pump, or valve, described in this Data Report on 6-14, 1985, and state that to the best of my knowledge and belief, the N Certificate holder has constructed this pump, or valve, in accordance with the 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 6-14 19 85
CH
(Inspector)

Commissioners al 1234
(Noted State Proc and Mail)



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0752

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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Service Water (SW) System
5. (a) Applicable Construction Code ASME Section III Code Class 3, 1974 Edition with Winter 1976 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: 6/9/92
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
SW(35)-2	BF Shaw	SW(35)-2	N/A	N/A	1979	Repair	Yes, Code Class 3

7. Description of Work: Installed galvanic ground connection on 30" Service Water (SW) syphon piping. The work was performed as follows

- 1) Installed threaded rod on the pipe
- 2) Made threaded rod to pipe weld



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0752

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: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this repair 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 Quairp Sips Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 6/9/92 Date 6-10-92

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 11/6/92 to 6/10/92 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 955611 NBI
Inspector's Signature National Board, State, and Endorsements
Date 6/10/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0753

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: Residual Heat Removal (RHR) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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: 12/27/91
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
RHR(1)-4A1	WPPSS	RHR(1)-4A1-P1	N/A	N/A	1983	Repair	Yes, Code Class 1

7. Description of Work: Repaired (modified) test connection for valves RHR-V-161A and RHR-V-162A. The work was performed as follows

- 1) Cut pipe to socket weld and removed the test connection assembly with valves RHR-V-161A and RHR-V-162A
- 2) Performing PT examination to upgrade new pipe cap from Code Class 2 to Code Class 1. PT examination results acceptable
- 3) Installed new pipe and pipe cap and made required welds
- 4) Performed PT examination on the final welds. PT examination results acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0753

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: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this repair 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 Dwight Smith Signed by [Signature]

Plant Technical Manager

Date 12/27/91 Date 12-27-91

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 11/5/91 to 12/30/91 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 12/30/91



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: High Pressure Core Spray (HPCS) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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
HPCS(1)-4CL1	WPPSS	HPCS(1)-4CL1	N/A	N/A	1982	Repair	Yes, Code Class 1

7. Description of Work: Repaired (modified) test connection for valves HPCS-V-37 and HPCS-V-38. The work was performed as follows

- 1) Cut pipe to socket weld and removed the test connection assembly with valves HPCS-V-37 and HPCS-V-38
- 2) Performing MT examination to upgrade new pipe cap from Code Class 2 to Code Class 1. MT examination results acceptable
- 3) Installed new pipe and pipe cap and made required welds
- 4) Performed PT examination on the final welds. PT examination results acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0754

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: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this repair 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 Quadir Singh Signed by [Signature]

Date 1/24/92 Date 1-25-92
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 11/15/91 to 11/27/92 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 1/27/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0755

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: 1/23/92
Address: 3000 George Washington Way, Richland, Washington Sheet: 1 of 1
2. Plant: Washington Public Power Supply System (WPPSS) Nuclear Power Plant (WNP) Unit: WNP-2
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: Residual Heat Removal (RHR) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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
RHR(1)-4B	WPPSS	RHR(1)-4B-P1	N/A	N/A	1983	Repair	Yes, Code Class 1

7. Description of Work: Repaired (modified) test connection for valves RHR-V-157B and RHR-V-158B. The work was performed as follows

- 1) Cut pipe and removed the test connection assembly with valves RHR-V-157B and RHR-V-158B
- 2) Installed new pipe cap and made required weld
- 4) Performed PT examination on the final weld. PT examination results acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0755

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: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this repair 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 Rudip Srip Signed by [Signature]

Plant Technical Manager

Date 1/24/92 Date 1-25-92

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 1/15/91 to 1/27/92 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 1/27/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0756

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: 1/23/92
Address: 3000 George Washington Way, Richland, Washington Sheet: 1 of 1
2. Plant: Washington Public Power Supply System (WPPSS) Nuclear Power Plant (WNP) Unit: WNP-2
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: Residual Heat Removal (RHR) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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
RHR(1)-4A1	WPPSS	RHR(1)-4A1-P1	N/A	N/A	1983	Repair	Yes, Code Class 1

7. Description of Work: Added weld metal to existing socket to pipe weld. Performed PT examination on the final weld. PT examination results acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0756

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: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this repair 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 Lupt Signed by [Signature]
Date 1/24/92 Date 1-25-92
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 11/5/91 to 11/27/92 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 11/27/92



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: Main Steam (MS) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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

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
Spare Valve	Crosby Valve And Gage Co	N63790-00-0056	N/A	N/A	1980	Replacement	Yes, Code Class 1

7. Description of Work: Replaced disc insert and nozzle for spare Main Steam Relief Valve (MSRV), Serial No N63790-00-0056. The replacement work was performed as follows
- 1) Removed existing disc insert and nozzle from the valve
 - 2) Installed new replacement disc insert and nozzle in the valve



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0757

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: Pressure test will be performed on the flanged joints when the spare valve is installed in the system

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 Paulip Ruyb

Signed by [Signature]

Date 2/21/92

Date 2-26-92
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 1/20/92 to 2/24/92 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 9556 W NBI
National Board, State, and Endorsements

Date 2/26/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0758

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: 3/30/92
Address: 3000 George Washington Way, Richland, Washington Sheet: 1 of 1
2. Plant: Washington Public Power Supply System (WPPSS) Nuclear Power Plant (WNP) Unit: WNP-2
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: Main Steam (MS) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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

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
Spare Valve	Crosby	N63790-00-0050	N/A	N/A	1980	Replacement	Yes, Code Class 1

7. Description of Work: Replaced disc insert and nozzle for spare main steam relief valve, Serial No N63790-00-0050. The replacement work was performed as follows
- 1) Removed existing disc insert and nozzle from the valve
 - 2) Installed new disc insert and nozzle in the valve



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0758

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: Pressure test to confirm pressure boundary integrity on the flanged joints will be performed when the spare valve is installed in the system under a separate ASME Section XI plan

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 Smith Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 3/30/92 Date 3-31-92

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 2/26/92 to 4/1/92 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 4/1/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0759

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: Main Steam (MS) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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: 4/3/92
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
Spare Valve	Crosby	N63790-00-0052	N/A	N/A	1980	Replacement	Yes, Code Class 1

7. Description of Work: Replaced disc insert, nozzle, spindle assembly and disc holder and bellows assembly for spare main steam relief valve, Serial No N63790-00-0052. The replacement work was performed as follows
- 1) Removed existing parts from the valve
 - 2) Installed new parts in the valve



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0759

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: Pressure test to confirm pressure boundary integrity on the flanged joints will be performed when the spare valve is installed in the system under a separate ASME Section XI plan

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 Dwain Suijs
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 4/6/92

Date 4-6-92

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 2/10/92 to 4/7/92 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 4/7/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0760

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: Main Steam (MS) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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: 3/30/92
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
Spare Valve	Crosby	N63790-00-0046	N/A	N/A	1981	Replacement	Yes, Code Class 1

7. Description of Work: Replaced disc insert and nozzle for spare main steam relief valve, Serial No N63790-00-0046. The replacement work was performed as follows
- 1) Removed existing disc insert and nozzle from the valve
 - 2) Installed new disc insert and nozzle in the valve



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0760

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: Pressure test to confirm pressure boundary integrity on the flanged joints will be performed when the spare valve is installed in the system under a separate ASME Section XI plan

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 Quair Eupb
Materials And Inspections

Signed by

Plant Technical Manager

Date 3/30/92

Date

3-31-92

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 2/26/92 to 4/1/92 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

Inspector's Signature

Commissions

9556W NSI
National Board, State, and Endorsements

Date

4/1/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0761

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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Service Water (SW) 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: 6/25/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No) Code Class
SW(21)-2	WPPSS	SW(21)-2-P1	N/A	N/A	1983	Replacement	Yes, Code Class 3

7. Description of Work: Installed new flanged connection for the drain line for DCW-HX-1A2. The installation work was performed as follows

- 1) Cut existing drain line
- 2) Installed new flanges
- 3) Made required socket welds
- 4) Installed new bolting material for the flanged connection



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0761

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: 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 Rupp
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 6/25/92

Date 6-27-92

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 12-5-91 to 6-30-92 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 6-30-92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0763

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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Diesel Cooling Water (DCW) System
5. (a) Applicable Construction Code: ASME Section III Code Class 3, 1974 Edition with Winter 1974 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: 7/10/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
DCW-HX-1A2	ASHT	8-20004-01-1	29365	N/A	1976	Repaired	Yes, Code Class 3

7. Description of Work: Weld repaired (weld build up) the corroded areas on the channel cover plate. The repair work was performed as follows

- 1) Weld repaired the channel cover plate areas
- 2) Performed MT examination on the weld repaired areas. MT examination results acceptable
- 3) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0763

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ None
Test Pressure: 60 Psig Test Temperature: 162° F
Component Design Pressure: 300 Psig Temperature: 300° F

9. Remarks: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this repair 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 Rudair Supb
Materials And Inspections

Signed by [Signature] 7-13-92
Plant Technical Manager

Date 7/10/92

Date _____

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State 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 12/5/91 to 7/14/92 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 7/14/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0764

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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Service Water (SW) System
5. (a) Applicable Construction Code: ASME Section III Code Class 3, 1971 Edition with Winter 1972 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: 7/10/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
SW-V-223A	Wm Powell	70544-11	N/A	N/A	1978	Replacement	Yes, Code Class 3

7. Description of Work: Removed disc from check valve SW-V-223A. Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0764

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ None
Test Pressure: 212 Psig Test Temperature: 67° F
Component Design Pressure: 275 Psig Temperature: 250° 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 Quincy Supb
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 7/10/92

Date 7-13-92

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 1/28/92 to 7/14/92 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 9556 W NBI
National Board, State, and Endorsements

Date 7/14/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0765

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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Service Water (SW) System
5. (a) Applicable Construction Code: ASME Section III Code Class 3, 1971 Edition with Winter 1972 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: 7/10/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
SW-V-223B	Wm Powell	70544-12	N/A	N/A	1978	Replacement	Yes, Code Class 3

7. Description of Work: Removed disc from check valve SW-V-223B. Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0765

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ None
Test Pressure: 210 Psig Test Temperature: 68° F
Component Design Pressure: 275 Psig Temperature: 250° 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 Dulair Singh
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 7/10/92

Date 7-13-92

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 1/28/92 to 7/14/92 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 9550 W NBI
National Board, State, and Endorsements

Date 7/14/92



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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Service Water (SW) 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: 6/29/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
SW(21)-2	WPPSS	SW(21)-2-P1	N/A	N/A	1983	Replacement	Yes, Code Class 3

7. Description of Work: Removed and reinstalled (reoriented) relief valve SW-RV-1A. The work was performed as follows
- 1) Cut and removed existing piping material for the relief valve
 - 2) Installed new piping and fitting material for the relief valve
 - 3) Made required welds
 - 4) Performed PT examination on the final weld. PT examination results acceptable
 - 5) Installed new bolting material for the relief valve inlet flanged joint



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0766

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: 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 Paul G. Gump
Materials And Inspections

Signed by R. L. Loomis 6-30-92
Plant Technical Manager

Date 6/29/92

Date _____

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State 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 2-3-92 to 7-1-92 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

Dan Hoggarth
Inspector's Signature

Commissions 9556 W NBE
National Board, State, and Endorsements

Date 7-1-92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0767

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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Service Water (SW) 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: 6/29/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
SW(22)-2	WPPSS	SW(22)-2-P1	N/A	N/A	1983	Replacement	Yes, Code Class 3

7. Description of Work: Removed and reinstalled (reoriented) relief valve SW-RV-1B. The work was performed as follows
- 1) Cut and removed existing piping material for the relief valve
 - 2) Installed new piping and fitting material for the relief valve
 - 3) Made required welds
 - 4) Performed PT examination on the final weld. PT examination results acceptable
 - 5) Installed new bolting material for the relief valve inlet flanged joint



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0767

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: 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 *Paul J. Smith* Signed by *[Signature]*
Materials And Inspections Plant Technical Manager
Date 6/29/92 Date 6-30-92

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 2-3-92 to 7-1-92 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 7-1-92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0769

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: Service Water (SW) System
5. (a) Applicable Construction Code ASME Section III Code Class 2, 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
SW-V-931A	Borg Warner	17619	N/A	N/A	1976	Repair	Yes, Code Class 2

7. Description of Work: Performed work on valve SW-V-931A. The work was performed as follows
- 1) Cut body to bonnet seal weld
 - 2) Removed valve internals for troubleshooting
 - 3) Installed bonnet into valve body and torqued it to the required torque value
 - 4) Made body to bonnet seal weld
 - 5) Performed PT examination on the final seal weld. PT examination results acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0769

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: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this repair 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 Quadir Euph Signed by [Signature]

Date 2/11/92 Date 2-11-92
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 12/4/91 to 2/12/92 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 2/12/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0770

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: Main Steam (MS) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 1971 Edition with Winter 1971 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
MS-V-22A	Rockwell	JV-2	81	N/A	1973	Replacement	Yes, Code Class 1
MS-V-22B	Rockwell	JT-37	69	N/A	1973	Replacement	Yes, Code Class 1
MS-V-22C	Rockwell	JT-54	70	N/A	1973	Replacement	Yes, Code Class 1
MS-V-22D	Rockwell	JT-41	68	N/A	1973	Replacement	Yes, Code Class 1
MS-V-28A	Rockwell	JU-53	78	N/A	1973	Replacement	Yes, Code Class 1
MS-V-28B	Rockwell	JS-98	96	N/A	1974	Replacement	Yes, Code Class 1
MS-V-28C	Rockwell	JU-17	77	N/A	1973	Replacement	Yes, Code Class 1
MS-V-28D	Rockwell	JT-78	71	N/A	1973	Replacement	Yes, Code Class 1

7. Description of Work: Stem disc and disc piston assemblies were assembled as a spare unit in case a need arises to replace existing assembly in any of the Main Steam Isolation Valves (MSIV's), MS-V-22A, MS-V-22B, MS-V-22C, MS-V-22D, MS-V-28A, MS-V-28B, MS-V-28C and MS-V-28D

Note - If need arises to install the assembly in any of the MSIV, a separate ASME Section XI plan will be issued to perform the required work



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0770

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 N-2 Code Data Reports for the stem disc assembly, Serial No 35 and the disc piston assembly, Serial No 157
NOTE - Pressure test on the valve body to bonnet joint will be performed when a need arises to installed new assembly in any of the MSIV

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 Rudip Supb Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 6/19/92 Date 6-19-92

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 1/13/92 to 6/22/92 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 6/22/92

PLAN No. 2-0770
Quaip. Supb
4/14/82

FORM N-2 N OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL
NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III, Division 1
Not To Exceed One Day's Production

Pg. 1 of 2

1. Manufactured and certified by Rockwell International Corp., 1900 S. Saunders St., Raleigh, NC 2760
(name and address of certificate holder)
2. Manufactured for Washington Public Power Supply System, Richland, WA, 99352-0968
(name and address of purchaser)
3. Location of installation Hanford II, Richland, WA 99352
(name and address)
4. Type PD-422885 R/R SA-105 N/A N/A 1989
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III: 1971 Winter 1971 1 N/A
(edition) (addenda) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(No.)
7. Remarks: Five (5) Disk for 26" 1612 JMMNTY Main Steam Isolation Valve.

Rockwell S.O. No. 36-07399

8. Nom. thickness (in.) N/A Min. design thickness (in.) Per #4 Dia. ID (ft. & in.) N/A Length overall (ft. & in.) N/A
9. When applicable, Certificate Holders' data reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board Number In Numerical Order
(1) 6053657-153	N/A	(26)	
(2) 6053657-154	N/A	(27)	
(3) 6053657-155	N/A	(28)	
(4) 6053657-156	N/A	(29)	
(5) 6053657-157	N/A	(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 1250 psi Temp. 575 °F. Hydro. test pressure N/A at temp. °F.
(when applicable)

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 X 11, (2) information in items 2 and 3 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.

(5/85)-1

This form (B00040) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017.

FORM N-2 (back)

Mfr. Serial No. 6053657-153-1

CERTIFICATE OF DESIGN

Design specifications certified by Boyd Brooks P. E. state CA Reg. no. 13655
 (when applicable)
 Design report* certified by Salathiel Liell Adams, III P. E. state NC Reg. no. 4187
 (when applicable)

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Parts
 conform to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization no. N-1563 Expires 11/26/91

Date 4/7/89 Name Rockwell International Corp. Signed LR Anderson
 (NPT Certificate Holder) (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 North Carolina and employed by HSBI & I Co.
 of Hartford, CT have inspected these items described in this data report on 4-7-89 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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 loss of any kind arising from or connected with this inspection.

Date 4-7-89 Signed [Signature] Commissions NC 1083
 (Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state or prov. and no.)



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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Service Water (SW) 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: 8/25/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
SW(1)-2 SW(2)-2	WPPSS WPPSS	SW(1)-2-P1 SW(2)-2-P1	N/A N/A	N/A N/A	1983 1983	Repair Repair	Yes, Code Class 3 Yes, Code Class 3

7. Description of Work: Removed and reinstalled two (2) drain connections with valves SW-V-834B and CCH-V-702B. The work was performed as follows

- 1) Cut existing socket welds and removed both the connections
- 2) Reinstalled both the connections and made required socket welds



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0773

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: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this repair 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]
Materials And Inspections Plant Technical Manager
Date 8/25/92 Date 8-25-92

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 2/3/92 to 8/24/92 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 8/24/92



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: High Pressure Core Spray (HPCS) System
5. (a) Applicable Construction Code ASME Section III Code Class 2, 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: 4/6/92
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
HPCS(1)-4CL2	WPPSS	HPCS(1)-4CL2-P2	N/A	N/A	1982	Replacement	Yes, Code Class 2

7. Description of Work: Installed new threaded pipe cap for connection with valves HPCS-V-57 and HPCS-V-718



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0774

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: 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 Dwain S. Smith Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 4/6/92 Date 4-6-92

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 2/3/92 to 4/7/92 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 4/7/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0776

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: High Pressure Core Spray (HPCS) System
5. (a) Applicable Construction Code ASME Section III Code Class 2, 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: 6/25/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No) Code Class
HPCS(1)-4CL2	WPPSS	HPCS(1)-4CL2-P1	N/A	N/A	1982	Replacement	Yes, Code Class 2

7. Description of Work: Installed new pipe cap for drain connection with valve HPCS-V-70



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0776

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: 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 Dwight Sipes
Materials And Inspections

Date 6/25/92

Signed by [Signature]
Plant Technical Manager

Date 6-27-92

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 2-3-92 to 6-30-92 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 9556 W NBI
National Board, State, and Endorsements

Date 6-30-92



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: Residual Heat Removal (RHR) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 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's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No) Code Class
RHR(1)-4A1	WPPSS	RHR(1)-4A1-P1	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. Description of Work: Fabricated and installed modified connection with valves RHR-V-163 and RHR-V-164. The fabrication and installation work was performed as follows

- 1) Fabricated two (2) carbon steel pipe nipples
- 2) Performed PT examination on the final machined surfaces of both the carbon steel pipe nipples. PT examination results acceptable
- 3) Beveled the socket ends of two (2) new valves for butt welding
- 4) Performed PT examination on the beveled ends of both the valves. PT examination results acceptable
- 5) Cut and removed the existing connection
- 6) Installed pipe nipples and valves and made required welds
- 7) Performed PT examination on the final welds. PT examination results acceptable
- 8) Performed RT examination on the final circumferential butt welds. RT examination results acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0781

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 following new valves
RHR-V-163, Serial No PB 1134
RHR-V-164, Serial No PB 1126

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 Philip Smith Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 6/27/92 Date 6-27-92

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 4-21-92 to 6-30-92 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 6-30-92

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NON-CLEAR PUMPS OR VALVES*

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

PLAN No. 2-0781

1. Manufactured by Dragon Valves, 13457 Excelsior Dr., Norwalk, CA. 90650 *Dulip Singh*
(Name and Address of N Certificate Holder)
2. Manufactured for Wash. Public Pwr. Sup. Systems, P. O. Box 968, Richland WA. 99352 *6/24/92*
(Name and Address of Purchaser or Owner)
3. Location of Installation WNP-2 North Power Plant Loop, Richland, WA. 99352
(Name and Address)
4. Pump or Valve Valve Nominal Inlet Size 1/2 (inch) Outlet Size 1/2 (inch)

(a) Model No., (b) N Certificate Holder's (c) Canadian

Series No. or Type	Serial No.	Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Bd. No.	(g) Year Built
(1) 7N057SW7D	PB1126	N/A	13828	1	N/A	1990
(2)	Thru		Rev. N/C			
(3)	PB1143					
(4)						
(5)						
(6)	RHR-V-163 SERIAL NO. PB1134					
(7)	RHR-V-164 SERIAL NO. PB1126					
(8)						
(9)						
(10)						

5. Globe Valve (18 Pcs.)
(Brief description of service for which equipment was designed)

6. Design Conditions 3600 psi 100 °F or Valve Pressure Class (1)
(Pressure) (Temperature)
7. Cold Working Pressure 3600 psi at 100°F.
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings N/A			
(b) Forgings			
HT.692017	ASME SA182 TY. F316	Ajax Forge Co.	Body
HT.A19167	ASME SA182 GR. F316	Ajax Forge Co.	Bonnet Yoke

VERIFIED & ACCEPTED
LEVEL II
DATE 10-11-90
REC. SECTION

(1) For manually operated valves only.

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

(Nat'l Bd., State, Prov. and No.)



**WASHINGTON PUBLIC POWER
SUPPLY SYSTEM**

PLAN NO 2-0783

**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: Fuel Pool Cooling (FPC) 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: 6/2/92
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
FPC(5)-2	WPPSS	FPC(5)-2-P1	N/A	N/A	1984	Replacement	Yes, Code Class 3

7. Description of Work: Fabricated restricting orifice (RO) plates for FPC-RO-5A and FPC-RO-5B. The fabrication work was performed as follows

- 1) Cut plate material to the required dimensions
- 2) Fabricated two (2) restricting orifice (RO) plates
- 3) The restricting orifice (RO) plates were installed in accordance with ASME Section XI Plan No 2-0785
- 4) Pressure test to confirm pressure boundary integrity was performed in accordance with ASME Section XI Plan No 2-0785



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0783

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: None

* See ASME Section XI Plan No 2-0785

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 Snyg Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 6/3/92 Date 6-3-92

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 2/18/92 to 6/3/92 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 6/5/92



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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Fuel Pool Cooling (FPC) 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: 6/2/92
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
FPC(5)-2	WPPSS	FPC(5)-2-P1	N/A	N/A	1984	Replacement	Yes, Code Class 3

7. Description of Work: Fabricated pipe spool pieces for FPC-RO-5A and FPC-RO-5B. The fabrication work was performed as follows
- 1) Cut pipe to the required lengths
 - 2) Beveled cut pipe ends
 - 3) Assembled pipe and flanges
 - 4) Made required circumferential butt welds
 - 5) Performed MT examination on the final circumferential butt welds. MT examination results acceptable
 - 6) Beveled socket end and one (1) valve socket end for butt welding
 - 7) Installed pipe, fitting and valve FPC-V-616 for the drain connection
 - 8) Made required circumferential butt welds and socket welds
 - 9) Fabricated pipe spool pieces were installed in accordance with ASME Section XI Plan No 2-0785
 - 10) Pressure test to confirm pressure boundary integrity was performed in accordance with ASME Section XI Plan No 2-0785



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0784

FORM NIS-2 (Back)

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

Test Pressure: * Psig

Test Temperature: * °F

Component Design Pressure: * Psig

Temperature: * °F

9. Remarks: See attached NPV-1 Code Data Report for valve FPC-V-616, Serial No 79960

* See ASME Section XI Plan No 2-0785

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 Quincy Euph
Materials And Inspections

Signed by Al Sam
Plant Technical Manager

Date 6/3/92

Date 6-3-92

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 2/14/92 to 6/3/92 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

Don Hagan
Inspector's Signature

Commissions 9556W NBE
National Board, State, and Endorsements

Date 6/5/92

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

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

1. Manufactured by Nuclear Valve Div. Borg Warner, 7500 Tyrone Ave., Van Nuys, Calif.
(Name and Address of N Certificate Holder) 3000 George Washington way
2. Manufactured for Washington Public Power Supply Systems, Richland, Washington
(Name and Address of Purchaser or Owner)
3. Location of Installation Richland, Washington WPPSS Hanford #2 Job Site
(Name and Address)
4. Pump or Valve Y Globe Valve Nominal Inlet Size 3/4 Outlet Size 3/4
(inch) (inch)

(a) Model No. Series No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Std. No.	(g) Year Built
(1) 1500#	79951 thru	N/A	76590-2	1	N/A	1983
(2)	79970					
(3)						
(4)						
(5)	FPC-V-616, SERIAL NO. 79960.					
(6)						
(7)						
(8)						
(9)						
(10)						

5. The valves are designed to handle a fluid media which includes steam, water condensate, borated water, etc., associated with a BWR and BWR. The temperature pressure rating of the media is stated below.
(Brief description of service for which equipment was designed)

6. Design Conditions 3600 psi 100 °F or Valve Pressure Class N/A (1)
(Pressure) (Temperature)
7. Cold Working Pressure 3600 psi at 100°F.
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
Disc-Code 1X20	Stellite #6	Rex Precision	
1T01, 1W10, 5F32			
(b) Forgings			
Body-Code 1V46	SA 105	Kawaguchi	

(1) For manually operated valves only.

* 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 and 5 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 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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Fuel Pool Cooling (FPC) 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: 7/2/92
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
FPC(5)-2	WPPSS	FPC(5)-2-P1	N/A	N/A	1983	Replacement	Yes, Code Class 3

7. Description of Work: Installed pipe spool pieces and restricting orifice (RO) plates for FPC-RO-5A and FPC-RO-5B. The installation work was performed as follows

- 1) Cut and removed existing restricting orifice (RO) FPC-RO-5
- 2) Beveled cut pipe and elbow ends
- 3) Installed pipe spool pieces which were fabricated in accordance with ASME Section XI Plan No 2-0784
- 4) Made required circumferential butt welds
- 5) Performed MT examination on the final circumferential butt welds. MT examination results acceptable
- 6) Installed restricting orifice (RO) plates which were fabricated in accordance with ASME Section XI Plan No 2-0783
- 7) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0785

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Test Pressure: 330 Psig Test Temperature: 73.6° F
Component Design Pressure: 300 Psig Temperature: 175° F

9. Remarks: See attached NPV-1 Code Data Report for valve FPC-V-616, Serial No 79960

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 Quairis Smith Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 7/2/92 Date 7-2-92

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 3/10/92 to 7/2/92 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 956 W NBI
Inspector's Signature National Board, State, and Endorsements

Date 7/2/92

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

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

1. Manufactured by Nuclear Valve Div., Borg Warner, 7500 Tyrone Ave., Van Nuys, Calif.
(Name and Address of N Certificate Holder) 3000 George Washington Way
 2. Manufactured for Washington Public Power Supply Systems, Richland, Washington
(Name and Address of Purchaser or Owner)
 3. Location of Installation Richland, Washington WPPSS Hanford #2 Job Site
(Name and Address)
 4. Pump or Valve Y Globe Valve Nominal Inlet Size 3/4 Outlet Size 3/4
(inch) (inch)

(a) Model No.		(b) N Certificate Holder's		(c) Canadian	(d) Drawing	(e) Class	(f) Nat'l.	(g) Year
Series No.		Serial		Registration			Bd. No.	Built
or Type		No.		No.	No.			
(1)	1500#	79951 thru		N/A	76590-2	1	N/A	1983
(2)		79970						
(3)								
(4)								
(5)								
(6)								
(7)								
(8)								
(9)								
(10)								

FPC-V-616, SERIAL No. 79960

Valve Supp
6/2/92

5. The valves are designed to handle a fluid media which includes steam, water condensate, hot water, etc., associated with a PWR and BWR. The temperature pressure rating of the media is stated below.
(Brief description of service for which equipment was designed)

6. Design Conditions 3600 psi 100 °F or Valve Pressure Class N/A (1)
(Pressure) (Temperature)
 7. Cold Working Pressure 3600 psi at 100°F.
 8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
Disc-Code LX20	Stellite #6	Rex Precision	
1T01, 1W10, 5F32			
(b) Forgings			
Body-Code 1V46	SA 105	Kawaguchi	

(1) For manually operated valves only.

* 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 and 5 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.

BECHTEL

BECHTEL
653



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0788

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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Fuel Pool Cooling (FPC) 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: 4/14/92
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
FPC(5)-2	WPPSS	FPC(5)-2-P1	N/A	N/A	1983	Replacement	Yes, Code Class 3

7. Description of Work: Modified existing connection and installed new connection with valve FPC-V-611. The work was performed as follows

Existing Connection

- 1) Removed existing connection with valve FPC-V-611
- 2) Installed new pipe cap on the existing pipe nipple
- 3) Made required socket weld

New Connection

- 1) Beveled new valve and socket ends for butt welding
- 2) Installed new pipe, fitting material and new valve FPC-V-611
- 3) Made required socket and circumferential butt welds



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0788

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 valve FPC-V-611, Serial No 80129

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 Quincy Sump
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 4/14/92

Date 4-14-92

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 3/8/92 to 4/15/92 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 9556 W NSI
National Board, State, and Endorsements

Date 4/15/92

BOOK # 0J123

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES
As Required by the Provisions of the ASME Code, Section III, Div. 1

1. Manufactured by Nuclear Valve Div., Borg Warner, 7500 Tyrone Ave., Van Nuys, Calif.
(Name and Address of N Certificate Holder) 3000 George Washington Way
2. Manufactured for Washington Public Power Supply Systems, Richland, Washington
(Name and Address of Purchaser or Owner)
3. Location of Installation Richland, Washington WPPSS Hanford #2 Job Site
(Name and Address)
4. Pump or Valve Y Globe Valve Nominal Inlet Size 3/4 (inch) Outlet Size 3/4 (inch)

	(a) Model No. Series No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Std. No.	(g) Year Built
(1)	1500#	80129 thru	N/A	76590-2	1	N/A	1983
(2)		80135					
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. The valves are designed to handle a fluid media which includes steam, water, condensate, borated water, etc., associated with a PWR and BWR. The temperature pressure rating of the media is stated below.
(Brief description of service for which equipment was designed)

6. Design Conditions 3600 psi 100 °F or Valve Pressure Class N/A (1)
(Pressure) (Temperature)
7. Cold Working Pressure 3600 psi at 100°F.
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
Disc-Code SF32	Stellite #6	Rex Precision	
SF55			
(b) Forgings			
Body-Code SE95	SA 105	Pacific Forge	

SECHTEL
709BECHTEL
709

(1) For manually operated valves only.

* 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 and 5 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.

PLAN NO. 2-0188
Sketch
4/19/92

1 4 1 5

9. Hydrostatic test 5400 psi. Disk Differential test pressure 3600 psi.

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1974.
Addenda Winter '73, Code Case No. N/A, Decs 9/26/73
(Date)
Signed Nuclear Valve Div., Borg Warner by William R. Smith
(In Certificate Holder)
Our ASME Certificate of Authorization No. N-1254 to use the N symbol expires 10/27/84.
(or) (Date)

Design information on file at NVD of Borg Warner, 7500 Tyrone Ave., Van Nuys, Ca. 91409
Stress analysis report (Class 1 only) on file at NVD of Borg Warner, 7500 Tyrone Ave., Van Nuys, CA

Design specifications certified by (1) David J. Murphy
PE State Washington Reg. No. 12542

Stress analysis certified by (1) Byron E. Leonard
PE State CA Reg. No. E123

(1) Signature not required. List name only.

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by Lumbermen's Mutual Casualty of Long Grove, Illinois have inspected the pump, or valve, described in this Data Report on 9/26 1983, and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the 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. 9/26 1983 _____
(Inspector)
Commissions 1275 CA _____
(Nat'l Bd., State, Prov. and No.)



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0792

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: 9/14/92
Address: 3000 George Washington Way, Richland, Washington Sheet: 1 of 1
2. Plant: Washington Public Power Supply System (WPPSS) Nuclear Power Plant (WNP) Unit: WNP-2
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: Main Steam (MS) System
5. (a) Applicable Construction Code: ASME Section III Code Class NF(1), 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's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
B22-G001B	WPPSS	B22-G001B	N/A	N/A	1984	Replacement	Yes, Code Class NF(1)

7. Description of Work: Machined undersized pins for supports MS-SB-1 and MS-SB-2. The work was performed as follows
1) Machined undersized pins to the required dimensions from standard snubber pins
2) Performed visual examination on the machined surfaces. Visual examination results acceptable

NOTE - These machined pins were installed in accordance with ASME Section XI Plan No 2-0793



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0792

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: 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 Dudip Gupta
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 9/14/92

Date 9-15-92

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 4/8/92 to 9/17/92 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 9/18/92



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: Main Steam (MS) System
5. (a) Applicable Construction Code: ASME Section III Code Class NF(1), 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's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
B22-G001B	WPPSS	B22-G001B	N/A	N/A	1984	Replacement	Yes, Code Class NF(1)

7. Description of Work: Replaced existing snubbers with rigid struts for supports MS-SB-1, MS-SB-2, MS-SB-3, MS-SB-7 and MS-SB-9. The work was performed as follows
- 1) Removed existing snubbers
 - 2) Installed new rigid struts
 - 3) Installed undersized pins machined in accordance with ASME Section XI Plan No 2-0792 for supports MS-SB-1 and MS-SB-2
 - 4) Performed Preservice Inspections (PSI). PSI results acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0793

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: 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 Quadir Smith
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 9/14/92

Date 9-15-92

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 4/8/92 to 9/17/92 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 9/18/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0794

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: Main Steam (MS) System
5. (a) Applicable Construction Code: ASME Section III Code Class NF(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: 9/14/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
MS(18)-2-11	WPPSS	MS(18)-2-11	N/A	N/A	1983	Replacement	Yes, Code Class NF(3)
MS(18)-2-12	WPPSS	MS(18)-2-12	N/A	N/A	1984	Replacement	Yes, Code Class NF(3)
MS(18)-2-13	WPPSS	MS(18)-2-13	N/A	N/A	1984	Replacement	Yes, Code Class NF(3)
MS(18)-2-14	WPPSS	MS(18)-2-14	N/A	N/A	1983	Replacement	Yes, Code Class NF(3)

7. Description of Work: Replaced existing snubbers with rigid struts for supports MSRV-2B-2, MSRV-2B-6, MSRV-3B-6, MSRV-3B-7, MSRV-4B-5, MSRV-4B-7, MSRV-5B-7 and MSRV-5B-8. The work was performed as follows

- 1) Removed existing snubbers
- 2) Installed new rigid struts
- 3) Installed rear bracket for support MSRV-2B-2 by welding
- 4) Performed Preservice Inspections (PSI). PSI results acceptable

NOTE - Welding performed by BPC



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0794

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 attache NF-2 Code Data Reports for the following rigid struts furnished by NPS Industries, Inc

Support No	Serial No
MSRV-2B-2	NA-2295-027-3
MSRV-2B-6	NA-2295-027-17
MSRV-3B-6	NA-2295-027-6
MSRV-3B-7	NA-2295-027-20
MSRV-4B-7	NA-2295-027-19

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 Guip
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 9/14/92

Date 9-15-92

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 4/8/92 to 9/17/92 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 9/18/92

PLAN NO 2-0794

FORM NF-2 NPT CERTIFICATE HOLDERS' PARTIAL DATA REPORT FOR PARTS FOR COMPONENT SUPPORT
As Required by the Provisions of the ASME Code Rules, Section III, Division 1

Quail Sup's
7/14/92

1. Manufactured by NPS INDUSTRIES, INC., 10420 METRIC BLVD., AUSTIN, TEXAS 78758
(Name and address of NPT Certificate Holder)
2. Manufactured for WASHINGTON PUBLIC POWER SUPPLY SYSTEM, PO BOX 968, RICHLAND, WA 99352
(Name and address of purchaser or owner)
3. Location of Installation WNP-2 OPS WHS COMPLEX, WHS#1 N. PWR. PLANT LOOP, RICHLAND, WA 99352

(a) Part Serial No.	(b) Canadian Registration No.	(c) Part Drawing No.	(d) Description of Part	(e) Class	(f) National Board No.	(g) Year Built
(1) *	N/A	NPS-140	REPLACEMENT	1	N/A	1988
(2)		REV. 0	SNUBBER			
(3)			SMR-10			
(4)						
(5)	* NA-2295-027-1					
(6)	THRU					
(7)	NA-2295-027-21					
(8)						
(9)						
(10)						

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that these component support parts conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition 1971, Addenda WINTER 1973, Code Case no. N247.
(Date)

Date MARCH 25 19 88 Signed NPS INDUSTRIES by SANDY REYNOLDS
(NPT Certificate Holder)

Our ASME Certificate of Authorization No. N-2689 to use the NPT Symbol expires JULY 12, 1988
(NPT) (Date)

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 TEXAS and employed by *HSBI&I CO. of HARTFORD, CONNECTICUT

3/25 19 88 have inspected the parts for the component supports described in this Data Report on 3/25 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component support parts in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 3/25/88

Signed [Signature] Commission TEXAS 1186
(Month, State, Year, and No.)

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information on



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0795

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 Core Isolation Cooling (RCIC) System
5. (a) Applicable Construction Code: ASME Section III Code Class NF(1), 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: 9/14/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
RCIC(12)-4CL1	WPPSS	RCIC(12)-4CL1	N/A	N/A	1984	Replacement	Yes, Code Class NF(1)

7. Description of Work: Replaced existing snubbers with rigid struts for supports RCIC-1C-1, RCIC-1C-2, RCIC-1C-5, RCIC-1C-7, RCIC-1C-12, RCIC-1C-13, and RCIC-1C-16. The work was performed as follows
- 1) Removed existing snubbers
 - 2) Installed new rigid struts
 - 3) Installed forward bracket, rear bracket and plate material for support RCIC-1C-1 by welding
 - 5) Performed MT examination on the final welds. MT examination results acceptable
 - 5) Performed Preservice Inspections (PSI). PSI results acceptable

NOTE - Welding performed by BPC



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0795

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 NF-2 Code Data Reports for the following rigid struts furnished by NPS Industries, Inc

Support No	Serial No
RCIC-1C-2	NA-2295-027-9
RCIC-1C-2	NA-2295-027-10

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 Rudip Suph

Materials And Inspections

Date 9/14/92

Signed by [Signature]

Plant Technical Manager

Date 9-15-92

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 4/8/92 to 9/17/92 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

955641 NBE
National Board, State, and Endorsements

Date 9/18/92

FORM NF-2 NPT CERTIFICATE HOLDERS' PARTIAL DATA REPORT FOR PARTS FOR COMPONENT SUPPORT*

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

PLAN NO. 2-0795

1. Manufactured by NPS INDUSTRIES, INC., 10420 METRIC BLVD., AUSTIN, TEXAS 78758 *Dulap Sup's 9/14/92*
(Name and address of NPT Certificate Holder)
2. Manufactured for WASHINGTON PUBLIC POWER SUPPLY SYSTEM, PO BOX 968, RICHLAND, WA 99352
(Name and address of purchaser or owner)
3. Location of Installation WNP-2 OPS WHS COMPLEX, WHS#1 N. PWR. PLANT LOOP, RICHLAND, WA 99352

(a) Part Serial No.	(b) Canadian Registration No.	(c) Part Drawing No.	(d) Description of Part	(e) Class	(f) National Board No.	(g) Year Built
(1) *	N/A	NPS-140	REPLACEMENT	1	N/A	1988
(2)		REV.0	SNUBBER			
(3)			SMR-3			
(4)						
(5) *	NA-2295-026-1					
(6)	THRU					
(7)	NA-2295-026-20					
(8)						
(9)						
(10)						

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that these component support parts conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition 1971, Addenda WINTER 1973, Code Case no. N247.
(Date)

Date MARCH 25 19 88 Signed NPS INDUSTRIES by SANDY REYNOLDS
(NPT Certificate Holder)

Our ASME Certificate of Authorization No. N-2689 to use the NPT Symbol expires JULY 12, 1988
(NPT) (Date)

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 TEXAS and employed by *HSB&I CO. of HARTFORD, CONNECTICUT

have inspected the parts for the component supports described in this Data Report on 3/25 19 88 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component support parts in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 3/25/88
Signed [Signature] Commission TEXAS 11724
(Inspector, State, Province, and No.)

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information on each sheet is numbered and number of sheets is recorded at

202



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0796

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: High Pressure Core Spray (HPCS) System
5. (a) Applicable Construction Code: ASME Section III Code Class NF(1), 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: 9/14/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
HPCS(1)-4CL1	WPPSS	HPCS(1)-4CL1	N/A	N/A	1984	Replacement	Yes, Code Class NF(1)

7. Description of Work: Replaced existing snubber with rigid strut for support HPCS-911N. The work was performed as follows
- 1) Removed existing snubber
 - 2) Installed new rigid strut
 - 3) Performed Preservice Inspections (PSI). PSI results acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0796

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: 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 Dulip Srip
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 9/14/92

Date 9-15-92

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 5/13/92 to 9/17/92 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 95561W NBT
National Board, State, and Endorsements

Date 9/18/92

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: 6/12/92 |
| Address: 3000 George Washington Way, Richland, Washington | Sheet: 1 of 1 |
| 2. Plant: Washington Public Power Supply System (WPPSS) Nuclear Power Plant (WNP) | Unit: WNP-2 |
| 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 Pressure Vessel (RPV) | |
| 5. (a) Applicable Construction Code ASME Section III Code Class 1, 1971 Edition with Summer 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
RPV	CBI Nuclear	T45	8	N/A	1974	Replacement	Yes, Code Class 1

- 7. Description of Work:** Replaced Local Power Range Monitoring (LPRM) incore assemblies. The replacement work was performed as follows
- 1) Removed existing Local Power Range Monitoring (LPRM) incore assemblies
 - 2) Installed new Local Power Range Monitoring (LPRM) incore assemblies



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0797

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 N-2 Code Data Reports for new Local Power Range Monitoring (LPRM) Incore assemblies, Serial No's 6615112, 6615135, 6612555 and 6612561

Core Location	LPRM Serial No
40-25	6615112
24-25	6615135
32-49	6612555
24-49	6612561

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 Surb
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 6/15/92

Date 6-15-92

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 5/12/92 to 6-15-92 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 9550 W NBI
National Board, State, and Endorsements

Date 6-15-92

FORM N-2 MANUFACTURERS DATA REPORT FOR NUCLEAR PART AND APPURTENANCES

As required by the Provisions of the ASME Code Rules.

PLAN No. 2-0797

1. (a) Manufactured by General Electric Co., (C&ID), San Jose, California *Culbertson*
(Name and address of Manufacturer of part)
(b) Manufactured for Washington Public Power Supply System, Kennewick, Wash. - Hanford 2
(Name and address of Manufacturer of completed nuclear component)
2. Identification-Manufacturer's Serial No. of Part 6615108 - 6615150 Nat'l Bd. No. -----
- (a) Constructed According to Drawing No. 163C1154G002 Drawing Prepared by General Electric Co.
(b) Description of Part Inspected Power Range Detector Summer
(c) Applicable ASME Code: Section III, Edition 1971, Addenda date 1973, Case No. ----- Class 1
3. Remarks: Power Range Detector
(Brief description of service for which component was designed)

LPRN'S

Refer to II SE-003 Appendix III :

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
(The applicable Design Specification and Stress Report are not the responsibility of the part Manufacturer. An appurtenance Manufacturer is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date JUNE 12 1979 Signed General Electric Co. By D. J. Culbertson
(Manufacturer) Quality Assurance
Certificate of Authorization Expires June 16, 1981 Certificate of Authorization No. N-1124

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at General Electric Co., San Jose, California 262A6747AD
Stress analysis report on file at General Electric Co., San Jose, California 262A6755AD
Design specifications certified by Irwin B. Layne Prof. Eng. State Calif. Reg. No. M18743
Stress analysis report certified by Robert J. Culbertson Prof. Eng. State Calif. Reg. No. 14163

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 or Province of California and employed by Dept. of Ind. Rel. Div. of Ind. Safety of the State of California have inspected the part of a pressure vessel described in this Manufacturer's Partial Data Report on 6-29 1979, and state that to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Code Section III.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Manufacturer's Partial 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 6-29 19 79Michael J. Culbertson
Inspector's SignatureCommissions CAL 1255
National Board, State, Province and No.

FOR EX-00374898

FORM N-2 (back)

Items 4-8 Incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

4. Shell: Material SA213T304 1.5 75,000 Nominal 165 Corrosion 1.343
(Kind & Spec. No.) (Min. of Range Specified) Thickness in. Allowance in. Dia. in. Length in. 9.92

5. Seams: Long Seamless H.T.: No R.T. No Efficiency 100 %

Girth SVBW/BU H.T.: No R.T. 100% No. of Courses 1

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (Conv. or Conc.)
---------------------------------	-----------	-----------------	-------------------	---------------------	-----------------------	-------------------------	------------------	------------------------------------

(2) _____

(b) _____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or attach sketch)

7. Jacket Closure: _____
(Describe as ogee and weld, bar, etc. If bar give dimensions, if bolted, describe or sketch)

-- 8. Design pressure? 1250 psi at Vessel 600°F
Hydrostatic Pressure 2050 Seal 340 °F

Drop Weight _____
 Charpy Impact _____ ft-lb
 at temp. of _____ °F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material SA182T304 Dia. 1.343 Thickness 1 in. Attachment Welded
(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)

10. Tubes: Material SA249T304 O.D. .385 in. Thickness .050 inches or gage. Number 1 Type STR
(Str. or U)

Items 11-14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

12. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %

Girth. _____ H.T.¹ _____ R.T. _____ No. of Courses _____

13. Heads (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (Conv. or Conc.)
----------	-----------	--------------	----------------	------------------	--------------------	----------------------	---------------	---------------------------------

(a) Top, bottom, ends _____

(b) Channel: _____

If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)

14. Design pressure² _____ psi at _____ °F

Drop Weight _____,
Charpy Impact _____ ft-lb
at temp. of _____ °F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

16. Nozzles

Purpose (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
--------------------------------	--------	--------------	------	----------	-----------	------------------------	--------------

.....

[illegible]

17. Inspection Manholes, No. _____ Size _____ Location _____

Openings: Handholes, No. _____ Size _____ Location _____

Threaded, No. _____ Size _____ Location _____

18. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

1 If Postweld Heat-Treated.

² List other internal or external pressure with coincident temperature when applicable.

1. (a) Manufactured by General Electric Co., (C&ID) San Jose, California *Quidip Corp*
(Name and address of Manufacturer of part)
(b) Manufactured for Washington Public Power Supply System-Kennewick, Wash-Hanford-2
(Name and address of Manufacturer of completed nuclear component)
2. Identification-Manufacturer's Serial No. of Part 6612555-6612562 Nat'l Bd. No. ---
- (a) Constructed According to Drawing No. 163C1154G002 Drawing Prepared by General Electric Co.,
(b) Description of Part Inspected Power Range Detector Summer
(c) Applicable ASME Code: Section III, Edition 1971, Addenda date 1973, Case No. --- Class 1
3. Remarks: Power Range Detector
(Brief description of service for which component was designed)

Refer to II SE 003 Appendix III

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
(The applicable Design Specification and Stress Report are not the responsibility of the part Manufacturer. An appurtenance Manufacturer is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date NOV 17 1978 Signed General Electric Co. By *R. Culbertson*
(Manufacturer) Quality Assurance
Certificate of Authorization Expires June 16, 1981 Certificate of Authorization No. N-1124

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at General Electric Co., San Jose, California 262A6747AD
Stress analysis report on file at General Electric Co., San Jose, California 262A6755AD
Design specifications certified by R. Culbertson Prof. Eng. State Calif. Reg. No. 14163
Stress analysis report certified by R. Culbertson Prof. Eng. State Calif. Reg. No. 14163

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 or Province of California and employed by Dept. of Ind. Rel., Div. of Ind. Safety of the State of California have inspected the part of a pressure vessel described in this Manufacturer's Partial Data Report on 11-22 1978, and state that to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Code Section III.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Manufacturer's Partial 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 11-22 1978

R. Culbertson
Inspector's Signature

Commissions AL 844

National Board, State, Province and No.

FOR INFORMATION ONLY

VERIFIED & ACCEPTED *Alan Brown*

LEVEL II

R.I. Inspector

Date 3-7-80

FORM-N-2 (back)

Items 4-8 Incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

4. Shell: Material SA213T304 T.S. 75,000 Nominal Thickness .165 in. Corrosion Allowance 1.343 in. Dia. 1.343 ft. in. Length 9.92 ft. in.
(Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long Seamless H.T.¹ No R.T. No Efficiency 100 %

Girth SVBW/BU H.T.¹ No R.T. 100% No. of Courses 1

6. Heads: (a) Material T.S. (b) Material T.S.
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (Conv. or Conc.)

(a) _____

(b) _____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or attach sketch)

7. Jacket Closures: _____
(Describe as ogee and weld, bar, etc. If bar give dimensions, if belted, describe or sketch)

8. Design pressure² 1250 psi at SEAL 340 °F VESSEL 600 °F Drop Weight _____
Charpy Impact _____ ft-lb
at temp. of _____ °F

Hydrostatic Pressure 2050

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material SA182T304 Dia. 1.343 in Thickness 1 in Attachment Welded
(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)

Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material SA249T304 O.D. .385 in Thickness .050 inches or gage. Number 1 Type STR
(Str. or U)

Items 11-14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. in. Length _____ ft. in.
(Kind & Spec. No.) (Min. of Range Specified)

12. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %

Girth _____ H.T.¹ _____ R.T. _____ No. of Courses _____

13. Heads (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (Conv. or Conc.)

(a) Top, bottom, ends _____

(b) Channel _____

If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)

14. Design pressure² _____ psi at _____ °F Drop Weight _____
Charpy Impact _____ ft-lb
at temp. of _____ °F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

16. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Material	How Attached

17. Inspection Manholes, No. _____ Size _____ Location _____

Openings: Handholes, No. _____ Size _____ Location _____

Threaded, No. _____ Size _____ Location _____

18. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

¹ If Postweld Heat-Treated.

² List other internal or external pressure with coincident temperature when applicable.

FOR INFORMATION ONLY

VERIFIED & ACCEPTED Alan Boyer
LEVEL II R.I. Inspector Date 3-7-90



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0798

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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Residual Heat Removal (RHR) System
5. (a) Applicable Construction Code: ASME Section III Code Class 2, 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: 7/2/92

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
RHR(4)-1A	WPPSS	RHR(4)-1A-P1	N/A	N/A	1983	Replacement	Yes, Code Class 2

7. Description of Work: Modified RHR Loop - A piping. The modification work was performed as follows

- 1) Cut existing piping
- 2) Installed new pipe and fitting material
- 3) Installed flanges which were modified in accordance with ASME Section XI Plan No 2-0800
- 4) Made required welds
- 5) Performed MT or PT examination on the final welds. MT or PT examination results acceptable
- 6) Performed RT examination on the final circumferential butt welds. RT examination results acceptable
- 7) Installed bolting material for the flanged joints
- 8) Installed pipe caps for the test ports
- 9) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0798

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒
Test Pressure: * Psig Test Temperature: * °F
Component Design Pressure: 125 Psig Temperature: 480° F

9. Remarks: None

* Performed combination of following tests on new welds and new flanged joints

- 1) Appendix "J" test
- 2) Open flow path test
- 3) Visual examination on the ID surfaces of the new nozzle to verify open flow path

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 Quairp Smith Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 7/2/92 Date 7-2-92

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 2/29/92 to 7/2/92 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 7/2/92



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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Residual Heat Removal (RHR) System
5. (a) Applicable Construction Code: ASME Section III Code Class 2, 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: 7/2/92
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
RHR(4)-1B	WPPSS	RHR(4)-1B-P1	N/A	N/A	1983	Replacement	Yes, Code Class 2

7. Description of Work: Modified RHR Loop - B piping. The modification work was performed as follows
- 1) Cut existing piping
 - 2) Installed new pipe and fitting material
 - 3) Installed flanges which were modified in accordance with ASME Section XI Plan No 2-0801
 - 4) Made required welds
 - 5) Performed MT or PT examination on the final welds. MT or PT examination results acceptable
 - 6) Performed RT examination on the final circumferential butt welds. RT examination results acceptable
 - 7) Installed bolting material for the flanged joints
 - 8) Installed pipe caps for the test ports
 - 9) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0799

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ *
Test Pressure: * Psig Test Temperature: * °F
Component Design Pressure: 125 Psig Temperature: 480° F

9. Remarks: None

* Performed combination of following tests on new welds and new flanged joints

- 1) Appendix "J" test
- 2) Open flow path test
- 3) Visual examination on the ID surfaces of the new nozzle to verify open flow path

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 Quincy Smith Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 7/2/92 Date 7-2-92

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 2-29-92 to 7-2-92 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 9550 W NBI
Inspector's Signature National Board, State, and Endorsements

Date 7/2/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0800

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: Residual Heat Removal (RHR) System
5. (a) Applicable Construction Code ASME Section III Code Class 2, 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: 6/3/92
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
RHR(4)-1A	WPPSS	RHR(4)-1A-P1	N/A	N/A	1983	Replacement	Yes, Code Class 2

7. Description of Work: Modified flanges for RHR Loop - A piping modifications. The modification work was performed as follows
- 1) Surface finished the raised face of one (1) weld neck flange and one (1) blind flange
 - 2) Machined grooves in the raised face of two (2) weld neck flanges
 - 3) Drilled holes on the outer edge of two (2) weld neck flanges for installation of test ports
 - 4) Installed test ports on the outer edge of two (2) weld neck flanges by welding
 - 5) Performed PT examination on the final welds. PT examination results acceptable
 - 6) The modified flanges were installed in accordance with ASME Section XI Plan No 2-0798



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0800

FORM NIS-2 (Back)

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

9. Remarks: None

* See ASME Section XI Plan No 2-0798

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 Dwain Swick
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 6/6/92

Date 6-7-92

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 2/23/92 to 6/8/92 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 6-8-92



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: Residual Heat Removal (RHR) System
5. (a) Applicable Construction Code ASME Section III Code Class 2, 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
RHR(4)-1B	WPPSS	RHR(4)-1B-P1	N/A	N/A	1983	Replacement	Yes, Code Class 2

7. Description of Work: Modified flanges for RHR Loop - B piping modifications. The modification work was performed as follows
- 1) Surface finished the raised face of one (1) weld neck flange and one (1) blind flange
 - 2) Machined grooves in the raised face of two (2) weld neck flanges
 - 3) Drilled holes on the outer edge of two (2) weld neck flanges for installation of test ports
 - 4) Installed test ports on the outer edge of two (2) weld neck flanges by welding
 - 5) Performed PT examination on the final welds. PT examination results acceptable
 - 6) The modified flanges were installed in accordance with ASME Section XI Plan No 2-0799



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0801

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Test Pressure: Pslg Test Temperature: °F
Component Design Pressure: Pslg Temperature: °F

9. Remarks: None

* See ASME Section XI Plan No 2-0799

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 Rudip Supb Signed by ALH
Materials And Inspections Plant Technical Manager
Date 6/6/92 Date 6-7-92

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 2-23-92 to 6-8-92 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

Dan Wagoner Commissions 9556 W NBI
Inspector's Signature National Board, State, and Endorsements

Date 6-8-92



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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Fuel Pool Cooling (FPC) 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: 6/2/92
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
FPC(5)-2	WPPSS	FPC(5)-2-P1	N/A	N/A	1983	Replacement	Yes, Code Class 3

7. Description of Work: Modified connection with valve FPC-V-612. The modification work was performed as follows
- 1) Cut existing sockolet to pipe weld and removed the connection
 - 2) Beveled one (1) socket end of valve FPC-V-612 for butt welding
 - 3) Beveled the sockolet socket end for butt welding
 - 4) Reinstalled the connection and made circumferential butt weld



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0802

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: 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 Quaid Sup
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 6/3/92

Date 6-3-92

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 3/10/92 to 6/3/92 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 9566W NBI
National Board, State, and Endorsements

Date 6/5/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0804

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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Containment Atmosphere Control (CAC) System
5. (a) Applicable Construction Code ASME Section III Code Class 2, 1971 Edition with Summer 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: 4/14/92
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
CAC-HR-1A	Air Products	76-129-3	5209	N/A	1977	Replacement	Yes, Code Class 2

7. Description of Work: Installed vent line on the drain line from the scrubber for CAC - Loop A. The installation work was performed as follows

- 1) Installed new pipe and fitting material
- 2) Made required socket welds
- 3) Performed PT examinations on the final welds. PT examination results acceptable
- 4) Cut plate material for the lugs
- 5) Performed PT examinations on the plate cut edges. PT examination results acceptable
- 6) Installed lugs on the pipe and made required welds
- 7) Performed PT examinations on the final welds. PT examination results acceptable
- 8) Installed new U bolt for the support



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0804

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: 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 Rudip Singh
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 4/14/92

Date 4-14-92

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 3/5/92 to 4/15/92 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 9556 W NBI
National Board, State, and Endorsements

Date 4/15/92



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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Containment Atmosphere Control (CAC) System
5. (a) Applicable Construction Code ASME Section III Code Class 2, 1971 Edition with Summer 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: 4/14/92
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
CAC-HR-1B	Air Products	76-130-3	5210	N/A	1977	Replacement	Yes, Code Class 2

7. Description of Work: Installed vent line on the drain line from the scrubber for CAC - Loop B. The installation work was performed as follows

- 1) Installed new pipe and fitting material
- 2) Made required socket welds
- 3) Performed PT examinations on the final welds. PT examination results acceptable
- 4) Cut plate material for the lugs
- 5) Performed PT examinations on the plate cut edges. PT examination results acceptable
- 6) Installed lugs on the pipe and made required welds
- 7) Performed PT examinations on the final welds. PT examination results acceptable
- 8) Installed new U bolt for the support



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0805

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: 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 Dulip Singh
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 4/14/92

Date 4-14-92

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 3/16/92 to 4/15/92 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 9556 W NBI
National Board, State, and Endorsements

Date 4/15/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0809

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: Containment Instrument Air (CIA) System
5. (a) Applicable Construction Code ASME Section III Code Class 3, 1974 Edition with Winter 1974 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: 3/26/92
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
CIA-RV-5A	Lonergan	509258-101-1	N/A	N/A	1982	Replacement	Yes, Code Class 3

7. Description of Work: Removed existing spring steps (washers) and installed new spring steps (washers) in relief valve CIA-RV-5A



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0809

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: 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 Lewis Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 3/26/92 Date 3-30-92

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 3/8/92 to 3/27/92 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 4/1/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0810

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: Containment Instrument Air (CIA) System
5. (a) Applicable Construction Code ASME Section III Code Class 3, 1974 Edition with Winter 1974 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: 3/26/92
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
CIA-RV-5B	Lonergan	509258-102-1	N/A	N/A	1982	Replacement	Yes, Code Class 3

7. Description of Work: Removed existing spring steps (washers) and installed new spring steps (washers) in relief valve CIA-RV-5B



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0810

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: 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 S. Smith Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 3/26/92 Date 3-30-92

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 3/8/92 to 3/27/92 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 4/1/92



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: 9/11/92
Address: 3000 George Washington Way, Richland, Washington Sheet: 1 of 1
2. Plant: Washington Public Power Supply System (WPPSS) Nuclear Power Plant (WNP) Unit: WNP-2
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: Main Steam (MS) System
5. (a) Applicable Construction Code: ASME Section III Code Class 1, 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's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
B22-G001C	WPPSS	B22-G001C-P1	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. Description of Work: Replaced existing relief valve MS-RV-1C. The replacement work was performed as follows
1) Removed existing relief valve MS-RV-1C, Serial No N63790-00-0120 with set pressure of 1150 PSIG at rated temperature of 575° F
2) Installed replacement relief valve with Serial No N63790-00-0046 with set pressure of 1150 PSIG at rated temperature of 575° F
3) Replaced some bolting material for the relief valve flanged joint
4) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

NOTES -

- 1) ASME Section III Code Class 1, 1971 Edition with Winter 1973 Addenda for the piping system
2) ASME Section III Code Class 1, 1971 Edition with no Addenda for the relief valve



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0813

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☒ Other ☐ None
Test Pressure: 1000/6.8 Psig Test Temperature: 545/85° F
Component Design Pressure: 1250/500 Psig Temperature: 575/470° F

9. Remarks: 1) See attached NV-1 Code Data Report for replacement relief valve Serial No N63790-00-0046, 2) Nominal operating pressure test on relief valve inlet flanged joint - test pressure of 1000 PSIG and test temperature of 545° F, 3) Pneumatic test on relief valve outlet joint, body to bonnet joint, nozzle ring and adjusting ring set screw joints - test pressure of 6.8 PSIG and test temperature of 85° F, 4) Component design pressure and temperature - 1250 PSIG at 575° F for relief valve inlet piping and 500 PSIG at 470° F for relief valve outlet piping

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 Rudip Supb
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 9/14/92

Date 9-14-92

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 4-17-92 to 9-15-92 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 9/18/92

CROSBY**CROSBY VALVE & GAGE COMPANY**
WRENTHAM, MASS

PLAN NO. 2-0813

FORM NV-1 FOR SAFETY AND SAFETY RELIEF VALVES
As Required by the Provisions of the ASME Code RulesQuincy Supp. Q.C.-44D
6/30/92.

DATA REPORT

Safety and Safety Relief Valves

For Information Only

1. Manufactured By Crosby Valve & Gage Company, 43 Kendrick St., Wrentham, MA 02091
Name and Address

Model No. HB-65-BP-FN Order No. N94275 Contract Date 4/24/79 National Board No. N/A
General Electric Company, 175 Curtner Ave.,

2. Manufactured For San Jose, CA 95125 Order No. 205-AJ986
Name and Address

3. Owner Washington Public Power Supply System, Richland, Washington 99352
Name and Address

4. Location of Plant Hanford Reservation, Richland, Washington 99352

5. Valve Identification MPI #B22-F013 Serial No. N63790-00-0046 Drawing No. DS-A-63790 Rev. C
Type Safety Relief Orifice Size R Pipe Size -- Inlet 6 Outlet 10
Safety, Safety Relief, Pilot, Inch Inch Inch Inch
Power Actuated

6. Set Pressure (psig) 1150 5750 F
Rated Temperature

Stamped Capacity 865, 725 @ 3 Overpressure -- Blowdown (psig) 2% to 11%
Hydrostatic Test (psig) Inlet 2370 Outlet 975 psig (Assembled Valve)
1100 psig (Body Only)
(Applicable to Valves for Closed Systems Only)

Pressure Retaining Pieces

	Serial No. Identification	Material Specification Including Type or Grade
a. Bar Stock & Forgings		
Body	<u>N93183-35-0065</u>	<u>ASTM A105-71 Gr. II</u> <u>ASME SA105 Gr. II</u>
Bonnet	<u>N93407-35-0028</u>	<u>ASTM A105-71 Gr. II</u> <u>ASME SA105 Gr. II</u>
b. Disc Insert	<u>N93185-34-0077</u>	<u>ASME SA637 Gr. 718</u>
Nozzle	<u>N93184-32-0048</u>	<u>ASME SA182 Gr. F316</u>
Disc Holder *K55484-35-0094	<u>*N89714-34-0082</u>	<u>AMS 5662B</u>
Spring Washers K62858-35-0028	<u>K62856-35-0084</u> <u>K62857-35-0049</u>	<u>ASTM A105-71 Gr. II</u> <u>ASME SA105 Gr. II</u>
Adjusting Bolt	<u>N93410-33-0053</u>	<u>ASME SA193 Gr. B6</u>
Spindle Point K62873-37-0139	<u>N89720-43-0136</u>	<u>ASME SA564 Type 630</u>
c. Spring K62858-35-0028	<u>*N89722-0002</u>	<u>ASTM A304-66 Gr. 4161H</u>
d. Bolting		
Spindle Ball	<u>N93213-0206</u>	<u>Stoody #6</u>
e. Thrust Bearing Adapter	<u>N93409-32-0048</u>	<u>ASME SA193 Gr. B6</u>
Bonnet Stud (T17)	<u>N93207-0549 thru 0560</u>	<u>ASTM A193-71 Gr. B7</u> <u>ASME SA193 Gr. B7</u>
Bonnet Stud Nut (J87)	<u>N93210-0769 thru 0780</u>	<u>ASME SA194 Gr. 2H</u>
Inlet Stud (BW6)	<u>N93216-0551 thru 0562</u>	<u>ASTM A193-71 Gr. B7</u> <u>ASME SA193 Gr. B7</u>
Inlet Stud Nut (BW8)	<u>N93218-0555 thru 0566</u>	<u>ASTM SA194-71 Gr. 2H</u> <u>ASME SA194 Gr. 2H</u>
Adjusting Bolt Button	<u>N93411-32-0045</u>	<u>ASME SA193 Gr. B6</u>

7X00380095

Valve originally built against Crosby Order No. N103600, Assembly No. N56000. Valve modification consists of replacement of the Disc Insert, Nozzle, Bonnet Stud Nuts, Adjusting Bolt, and Thrust Bearing Adapter, remachining of the Body, Spring Washers, Bonnet, and Spindle Assembly, and adding an Adjusting Bolt Button Assembly. New Serialization is required unless indicated by an asterisk. Original nameplate removed and new nameplate attached.

N163790-00-0046

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this valve conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, 1971 Edition, Addenda No Addenda, Code Case No. 1567 & 1711. Class 1 (Date)

Date 11-5-80 Signed Crosby Valve & Gage Co. by R.A. Calverton (N Certificate Holder)

Our ASME Certificate of Authorization No. 1878 to use the NV symbol expires September 30, 1983 (Date)

CERTIFICATION OF DESIGN

Design information on file at Crosby Valve & Gage Company
Stress analysis report (Class 1 only) on file at Crosby Valve & Gage Company
43 Kendrick Street, Wrentham, Massachusetts 02093

Design specifications certified by¹ Boyd P. Brooks

PE State California Reg. No. 13655

Stress report certified by¹ W.D. Greenlaw

PE State Massachusetts Reg. No. 14784

¹Signature not required - list name only.

FOR INFORMATION ONLY

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 Massachusetts and employed by Factory Mutual Systems* of Norwood, Massachusetts have inspected the pump, or valve, described in this Data Report on 11/9, 1981 and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warrant, 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 11/9 1981
Signed John E. Morris (Inspector) Commissions MASS 1266 (Nat'l. Bd., State, Prov. and No.)

*Arkwright-Boston Manufacturers Mutual Insurance Company - Mutual Boiler & Machinery Div.

ZX00380096



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0814

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: Main Steam (MS) System
5. (a) Applicable Construction Code: ASME Section III Code Class 1, 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: 9/15/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
B22-G001D	WPPSS	B22-G001D-P1	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. Description of Work: Replaced existing relief valve MS-RV-1D with replacement relief valve. The replacement work was performed as follows

- 1) Removed existing relief valve MS-RV-1D, Serial No N63790-00-0122 with set pressure of 1175 PSIG at rated temperature of 575° F
- 2) Installed replacement relief valve Serial No N63790-00-0050 with set pressure of 1175 PSIG at rated temperature of 575° F
- 3) Replaced some of the bolting material for the valve flanged joint
- 4) Performed pressure test on the relief valve outlet and body to bonnet joints to confirm pressure boundary integrity. Leakage was observed on the relief valve outlet joint during pressure test and was evaluated to be acceptable
- 5) Performed pressure test on the relief valve inlet joint to confirm pressure boundary integrity. No evidence of leakage during pressure test

NOTES -

- 1) ASME Section III Code Class 1, 1971 Edition with Winter 1973 Addenda for the piping system
- 2) ASME Section III Code Class 1, 1971 Edition with no Addenda for the relief valve



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0814

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ None
Test Pressure: 1000/6.8 Psig Test Temperature: 545/84° F
Component Design Pressure: 1250/500 Psig Temperature: 575/470° F

9. Remarks: 1) See attached NV-1 Code Data Report for replacement relief valve Serial No N63790-00-0050, 2) Nominal operating pressure test on valve inlet flanged joint - test pressure of 1000 PSIG and test temperature of 545° F, 3) Pneumatic test on relief valve outlet joint, body to bonnet joint, nozzle ring and adjusting ring set screw joints - test pressure of 6.8 PSIG and test temperature of 84° F, 4) Component design pressure and temperature - 1250 PSIG at 575 F for relief valve inlet piping and 500 PSIG at 470° F for relief valve outlet piping

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 Dwain Quip's Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 9/15/92 Date 9-17-92

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 4-17-92 to 9-16-92 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 NBI
Inspector's Signature National Board, State, and Endorsements
Date 9/18/92

CROSBYCROSBY VALVE & GAGE COMPANY
WRENTHAM, MASS

PLAN No. 2-0814

FORM NV-1 FOR SAFETY AND SAFETY RELIEF VALVES
As Required by the Provisions of the ASME Code RulesRwarp Supb
8/27/92DATA REPORT
Safety and Safety Relief Valves

FOR INFORMATION ONLY

1. Manufactured By Crosby Valve & Gage Company, 43 Kendrick St., Wrentham, MA 02093
Name and Address
- Model No. HB-65-BP-FM Order No. N94275 Contract Date 4/24/79 National Board No. N/A
General Electric Company, 175 Curtner Ave.,
2. Manufactured For San Jose, CA 95125 Order No. 205-AJ986
Name and Address
3. Owner Washington Public Power Supply System, Richland, Washington 99352
Name and Address
4. Location of Plant Hanford Reservation, Richland, Washington 99352
5. Valve Identification MPL #B22-F013 Serial No. N63790-00-0050 Drawing No. DS-A-63790 Rev. C
Type Safety Relief Orifice Size R Pipe Size -- Inlet 6 Outlet 10
Safety, Safety Relief, Pilot, Inch Inch Inch Inch
Power Actuated
6. Set Pressure (psig) 1175 575° F
Rated Temperature
- Stamped Capacity 884,314 @ 3 X Overpressure -- Slowdown (psig) 2% to 11%
975 psig (Assembled Valve)
- Hydrostatic Test (psig) Inlet 2370 Outlet 1100 psig (Body Only)
(Applicable to Valves for Closed Systems Only)

Pressure Retaining Pieces

	Serial No. Identification	Material Specification Including Type or Grade
a. Castings Bar Stock & Forgings		
Body	<u>N93183-35-0069</u>	<u>ASTM A105-71 Gr. II</u> <u>ASME SA105 Gr. II</u>
Bonnet	<u>N93407-35-0032</u>	<u>ASTM A105-71 Gr. II</u> <u>ASME SA105 Gr. II</u>
b. Forgings Stem & Disc Disc Insert	<u>N93185-34-0082</u>	<u>ASME SA637 Gr. 718</u>
Nozzle	<u>N93184-33-0054</u>	<u>ASME SA182 Gr. F316</u>
Disc Holder *K55484-35-0097	<u>*N89714-34-0101</u>	<u>AMS 5662B</u>
Spring Washers K62858-35-0032	<u>K62856-35-0088</u> <u>K62857-35-0053</u>	<u>ASTM A105-71 Gr. II</u> <u>ASME SA105 Gr. II</u>
Adjusting Bolt	<u>N93410-33-0057</u>	<u>ASME SA193 Gr. B6</u> <u>ASTM A564-71 Type 630</u> <u>ASME SA564 Type 630</u>
Spindle Point K62873-35-0050	<u>*N89720-34-0066</u>	<u>ASTM A304-66 Gr. 4161H</u>
c. Spring K62858-35-0032	<u>*N89722-0008</u>	
d. Stem & Disc Spindle Ball		
e. Stem & Disc K62873-35-0050	<u>N93213-0050</u>	<u>Stellite #6</u>
Thrust Bearing Adapter	<u>N93409-32-0052</u>	<u>ASME SA193 Gr. B6</u>
Bonnet Stud (BW5, I17)	<u>N93207-0597 thru 0608</u>	<u>ASTM A193-71 Gr. B7</u> <u>ASME SA193 Gr. B7</u>
Bonnet Stud Nut (J87)	<u>N93210-0817 thru 0828</u>	<u>ASME SA194 Gr. 2H</u>
Inlet Stud (BW6)	<u>N93216-0599 thru 0610</u>	<u>ASTM A193-71 Gr. B7</u> <u>ASME SA193 Gr. B7</u>
Inlet Stud Nut (BW8)	<u>N93218-0603 thru 0614</u>	<u>ASTM A194-71 Gr. 2H</u> <u>ASME SA194 Gr. 2H</u>
Adjusting Bolt Button K63618-33-0058	<u>N93411-33-0058</u>	<u>ASME SA193 Gr. B6</u>

ZX00380116

Valve originally built against Crosby Order No. N103600, Assembly No. N56000. Valve modification consists of replacement of the Disc Insert, Nozzle, Bonnet Stud Nuts, Adjusting Bolt, and Thrust Bearing Adapter, remachining of the Body, Spring Washers, Bonnet and Spindle Assembly, and adding an Adjusting Bolt Button Assembly. New serialization is required unless indicated by an asterisk. Original nameplate removed and new nameplate attached.

N103790-00-0050

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this valve conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, 1971 Edition, Addenda No Addenda, Code Case No. 1567 & 1711

Class 1 (Date)

Date 11-5-80 Signed Crosby Valve & Gage Co. by R. G. Casanova
(N Certificate Holder)

Our ASME Certificate of Authorization No. 1878 to use the NV

symbol expires September 30, 1983
(Date)

CERTIFICATION OF DESIGN

Design information on file at Crosby Valve & Gage Company

Stress analysis report (Class 1 only) on file at Crosby Valve & Gage Company

43 Kendrick Street, Wrentham, Massachusetts 02093

Design specifications certified by¹ Boyd P. Brooks

PE State California Reg. No. 13655

Stress report certified by¹ W. D. Greenlaw

PE State Massachusetts Reg. No. 14784

¹Signature not required - list name only.

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 Massachusetts and employed by Factory Mutual Systems* of Norwood, Massachusetts have inspected the pump, or valve, described in this Data Report on 12/5, 1980 and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warrant, 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 12/5 1980
Signed John E. Miller Commissions MASS 1266
(Inspector) (Nat'l. Bd., State, Prov. and No.)

*Arkwright-Boston Manufacturers Mutual Insurance Company - Mutual Boiler & Machinery Div.

ZX00380117



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: Main Steam (MS) System
5. (a) Applicable Construction Code: ASME Section III Code Class 1, 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's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
B22-G001B	WPPSS	B22-G001B-P1	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. **Description of Work:** Replaced existing relief valve MS-RV-1B. The replacement work was performed as follows
- 1) Removed existing relief valve MS-RV-1B, Serial No N63790-00-0053 with set pressure of 1185 PSIG at rated temperature of 575° F
 - 2) Installed replacement relief valve with Serial No N63790-00-0052 with set pressure of 1185 PSIG at rated temperature of 575° F
 - 3) Replaced some bolting material for the relief valve flanged joint
 - 4) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

2) ASME Section III Code Class 1, 1971 Edition with no Addenda for the relief valve



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0815

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☒ Other ☐ None
Test Pressure: 1000/6.8 Psig Test Temperature: 545/82° F
Component Design Pressure: 1250/500 Psig Temperature: 575/470° F

9. Remarks: 1) See attached NV-1 Code Data Report for replacement relief valve Serial No N63790-00-0052, 2) Nominal operating pressure test on relief valve inlet flanged joint - test pressure of 1000 PSIG and test temperature of 545° F, 3) Pneumatic test on relief valve outlet joint, body to bonnet joint, nozzle ring and adjusting ring set screw joints - test pressure of 6.8 PSIG and test temperature of 85° F, 4) Component design pressure and temperature - 1250 PSIG at 575° F for relief valve inlet piping and 500 PSIG at 470° F for relief valve outlet piping

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 Quaid Suijs Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 9/14/92 Date 9-14-92

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 4-17-92 to 9-11-92 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 9/18/92

~~MS-RV-2D~~
~~MS-545-1~~

FOR INFORMATION ONLY

PLAN No. 2-0815

Quaip Sup 5
6/30/92

CROSBY			CROSBY VALVE & GAGE COMPANY WRENTHAM, MASS	
FORM NV-1 FOR SAFETY AND SAFETY RELIEF VALVES As Required by the Provisions of the ASME Code Rules			Q.C.-440	
DATA REPORT Safety and Safety Relief Valves				
1. Manufactured by <u>Crosby Valve & Gage Company, 41 Kendrick St., Wrentham, MA 02093</u> Name and Address				
Model No. <u>HS-65-3P-FN</u> Order No. <u>N94275</u> Contract Date <u>4/24/79</u> National Board No. <u>N/A</u> General Electric Company, 175 Curtner Ave., 2. Manufactured For <u>San Jose, CA 95125</u> Order No. <u>203-A1984</u> Name and Address				
3. Owner <u>Washington Public Power Supply System, Richland, Washington 99352</u> Name and Address				
4. Location of Plant <u>Hanford Reservation, Richland, Washington 99352</u>				
5. Valve Identification <u>PL #B22-P013</u> Serial No. <u>N63790-00-0052</u> Drawing No. <u>DS-A-63790-Rev. C</u>				
Type <u>Safety Relief</u> Orifice Size <u>X</u> Pipe Size <u>--</u> Inlet <u>6</u> Outlet <u>10</u> Safety, Safety Relief, Pilot, Inch Inch Power Actuated				
6. Set Pressure (psig) <u>1185</u> <u>575</u> Rated Temperature				
Stamped Capacity <u>391,730</u> P. 3 Overpressure <u>--</u> Blowdown (psig) <u>2% to 11%</u> 975 psig (Assembled Valve)				
Hydrostatic Test (psig) Inlet <u>2370</u> Outlet <u>1100</u> (Body Only) (Applicable to Valves for Closed Systems Only)				
Pressure Retaining Pieces				
		Serial No. Identification	Material Specification Including Type or Grade	
a. Bar Stock & Forgings				
Body		<u>N93183-35-0071</u>	<u>ASTM A105-71 Gr. II</u> <u>ASME SA105 Gr. II</u>	
Bonnet		<u>N93407-35-0034</u>	<u>ASTM A105-71 Gr. II</u> <u>ASME SA105 Gr. II</u>	
b. Disc & Disc Holder				
Disc Insert		<u>N93185-34-0084</u>	<u>ASME SA637 Gr. 718</u>	
Nozzle		<u>N93184-33-0056</u>	<u>ASME SA182 Gr. F316</u>	
Disc Holder		<u>*N89714-34-0124</u>	<u>AMS 56623</u>	
Spring Washers		<u>K62856-33-0090</u> <u>K62857-33-0053</u>	<u>ASTM A105-71 Gr. II</u> <u>ASME SA105 Gr. II</u>	
Adjusting Bolt		<u>N93410-33-0059</u>	<u>ASME SA193 Gr. 36</u>	
Spindle Point		<u>K62973-35-0052</u> <u>*N89720-34-0068</u>	<u>ASTM A564-71 Type 630</u> <u>ASME SA564 Type 630</u>	
c. Spring		<u>K62858-35-0034</u> <u>*N89722-0010</u>	<u>ASTM A304-66 Gr. 41618</u>	
d. Bolting				
e. Thrust Bearing Adapter		<u>N93213-0052</u> <u>N93409-32-0054</u>	<u>Stellite 16</u> <u>ASME SA193 Gr. 36</u>	
Bonnet Stud		<u>(117, 3W5) N93207-0621 thru 0632</u>	<u>ASTM A193-71 Gr. 36</u> <u>ASME SA193 Gr. 36</u>	
Bonnet Stud Nut		<u>(J87) N93210-0841 thru 0852</u>	<u>ASME SA194 Gr. 2H</u>	
Inlet Stud		<u>(3W6) N93216-0623 thru 0634</u>	<u>ASTM A193-71 Gr. 36</u> <u>ASME SA193 Gr. 36</u>	
Inlet Stud Nut		<u>(3W8) N93218-0627 thru 0638</u>	<u>ASTM A194-71 Gr. 2H</u> <u>ASME SA194 Gr. 2H</u>	
Adjusting Bolt		<u>K63618-33-0060</u> <u>N93411-33-0060</u>	<u>ASME SA193 Gr. 36</u>	

FOR INFORMATION ONLY

MS-RV-2D

S/N-N63790-00-0052

Dwain Ship

6/30/92

Valve originally built against Crosby Order No. N103600, Assembly No. N56000. Valve modification consists of replacement of the Disc Insert, Nozzle, Bonnet Stud Nuts, Adjusting Bolt, and Thrust Bearing Adapter, remachining of the Body, Spring Washers, Bonnet, and Spindle Assembly, and adding an Adjusting Bolt Button Assembly. New serialization is required unless indicated by an asterisk. Original nameplate removed and new nameplate attached.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this valve conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, 1971 Edition, Addenda No Addenda, Code Case No. 1567 & 1711.

Class _____ (Date) _____

Date 11-5-80 Signed Crosby Valve & Gate Co. by R.A. Brown
(N Certificate Holder)

Our ASME Certificate of Authorization No. 1878 to use the NV symbol expires September 30, 1983
(Date)

CERTIFICATION OF DESIGN

Design information on file at Crosby Valve & Gate Company

Stress analysis report (Class 1 only) on file at Crosby Valve & Gate Company

43 Kendrick Street, Wrentham, Massachusetts 02093

Design specifications certified by Boyd F. Brooks

PE State California Reg. No. 13655

Stress report certified by W. D. Greenlaw

PE State Massachusetts Reg. No. 14784

¹Signature not required - list name only.

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 Massachusetts and employed by Factory Mutual Systems of Norwood, Massachusetts have inspected the pump, or valve, described in this Data Report on 11/10, 1980 and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warrant, 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 11/10/80

Signed John E. [Signature] Commissions MASS 1266
(Inspector) (Nat'l. Bd., State, Prov. and No.)

*Arkwright-Boston Manufacturers Mutual Insurance Company - Mutual Boiler & Machinery Div.

REC-26
MAB

3 4 5 6 7 8 9 10 11 12

FOR INFORMATION ONLY



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: Main Steam (MS) System
5. (a) Applicable Construction Code: ASME Section III Code Class 1, 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's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
B22-G001B	WPPSS	B22-G001B-P1	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. **Description of Work:** Replaced existing relief valve MS-RV-1B. The replacement work was performed as follows
- 1) Removed existing relief valve MS-RV-1B, Serial No N63790-00-0057 with set pressure of 1195 PSIG at rated temperature of 575° F
 - 2) Installed replacement relief valve with Serial No N63790-00-0058 with set pressure of 1195 PSIG at rated temperature of 575° F
 - 3) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

2) ASME Section III Code Class 1, 1971 Edition with no Addenda for the relief valve



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0816

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☒ Other ☐ None
Test Pressure: 1000/6.8 Psig Test Temperature: 545/82° F
Component Design Pressure: 1250/500 Psig Temperature: 575/470° F

9. Remarks: 1) See attached NV-1 Code Data Report for replacement relief valve Serial No N63790-00-0056, 2) Nominal operating pressure test on relief valve inlet flanged joint - test pressure of 1000 PSIG and test temperature of 545° F, 3) Pneumatic test on relief valve outlet joint, body to bonnet joint, nozzle ring and adjusting ring set screw joints - test pressure of 6.8 PSIG and test temperature of 85° F, 4) Component design pressure and temperature - 1250 PSIG at 575° F for relief valve inlet piping and 500 PSIG at 470° F for relief valve outlet piping

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 Rudip Singh Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 9/14/92 Date 9-14-92

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 4-17-92 to 9-1-92 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 NBE
Inspector's Signature National Board, State, and Endorsements

Date 9/18/92

CROSBYCROSBY VALVE & GAGE COMPANY
WRENTHAM, MASS

PLAN NO. 2-0816

FORM NV-1 FOR SAFETY AND SAFETY-RELIEF VALVES
As Required by the Provisions of the ASME Code RulesQuincy Sup^{ly} Co.-440
6/30/72.DATA REPORT
Safety and Safety Relief Valves

1. Manufactured By Crosby Valve & Gage Company, 43 Kendrick St., Wrentham, MA 02093
Name and Address
- Model No. HB-65-BP-FN Order No. N94275 Contract Date 4/24/79 National Board No. N/A
2. Manufactured For General Electric Company, 175 Curtner Ave., San Jose, CA 95125
Order No. 205-AJ986
Name and Address
3. Owner Washington Public Power Supply System, Richland, Washington 99352
Name and Address
4. Location of Plant Hanford Reservation, Richland, Washington 99352
5. Valve Identification MPL #B22-F013 Serial No. N63790-00-0056 Drawing No. DS-A-63790 Rev. C
Type Safety Relief Orifice Size R Pipe Size — Inlet 6 Outlet 10
Safety, Safety Relief, Pilot, — Inch — Inch — Inch — Inch
Power Actuated
6. Set Pressure (psig) 1195 5750 F
Rated Temperature
- Stamped Capacity 899,185 @ 3 X Overpressure — Blowdown (psig) 2% to 11%
975 psig (Assembled Valve)
- Hydrostatic Test (psig) Inlet 2370 Outlet 1100 psig (Body Only)
(Applicable to Valves for Closed Systems Only)

Pressure Retaining Pieces

	Serial No. Identification	Material Specification Including Type or Grade
a. Bar Stock & Forgings		
Body	N93183-35-0075	ASTM A105 -71 Gr. II ASME SA105 Gr. II
Bonnet	N93407-35-0038	ASTM A105 -71 Gr. II ASME SA105 Gr. II
b. Disc Insert	N93185-34-0088	ASME SA637 Gr. 718
Nozzle	N93184-33-0060	ASME SA182 Gr. F316
Disc Holder	*K55484-35-0096 *N89714-34-0107	AMS 5662B
Spring Washers	K62858-35-0038 K62856-35-0094 K62857-35-0059	ASTM A105-71 Gr. II ASME SA105 Gr. II
Adjusting Bolt	N93410-33-0063	ASME SA193 Gr. B6
Spindle Point	K62873-35-0056 *N89720-34-0069	ASTM A564-71 Type 630 ASME SA564 Type 630
c. Spring	K62858-35-0038 *N89722-0014	ASTM A304-66 Gr. 416LH
d. Bolting		
Spindle Ball	K62873-35-0056 N93213-0056	Stellite #6
e. Thrust Bearing Adapter	N93409-32-0058	ASME SA193 Gr. B6
Bonnet Stud	(I17) N93207-0669 thru 0680	ASTM A193-71 Gr. B7B7 ASME SA193 Gr. B7B7
Bonnet Stud Nut	(J87) N93210-0889 thru 0900	ASME SA194 Gr. 2H
Inlet Stud	(BW6) N93216-0671 thru 0682	ASTM A193-71 Gr. B7B7 ASME SA193 Gr. B7B7
Inlet Stud Nut	(BW8) N93218-0675 thru 0686	ASTM A194-71 Gr. 2H ASME SA194 Gr. 2H

Adjusting Bolt Button
K63618-33-0065

N93411-33-0065

ASME SA193 Gr. B6

Valve originally built against Crosby Order No. N103600, Assembly No. N56000. Valve modification consists of replacement of the Disc Insert, Nozzle, Bonnet Stud Nuts, Adjusting Bolt, and Thrust Bearing Adapter, remachining of the Body, Spring Washers, Bonnet, and Spindle Assembly, and adding an Adjusting Bolt Button Assembly. New Serialization is required unless indicated by an asterisk. Original nameplate removed and new nameplate attached.

N163790-00-0056

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this valve conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, 1971 Edition, Addenda No Addenda, Code Case No. 1567 & 1711.
Class 1 (Date)

Date 11-5-80 Signed Crosby Valve & Gage Co. by R.G. Casavant
(N Certificate Holder)

Our ASME Certificate of Authorization No. 1878 to use the NV

symbol expires September 30, 1983.
(Date)

CERTIFICATION OF DESIGN

Design information on file at Crosby Valve & Gage Company

Stress analysis report (Class 1 only) on file at Crosby Valve & Gage Company

43 Kendrick Street, Wrentham, Massachusetts 02093

Design specifications certified by ¹Boyd P. Brooks

PE State California Reg. No. 13655

Stress report certified by ¹W.D. Greenlaw

PE State Massachusetts Reg. No. 14784

¹Signature not required - list name only.

FOR INFORMATION ONLY
Date and Signature Only

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 Massachusetts and employed by Factory Mutual Systems* of Norwood, Massachusetts have inspected the pump, or valve, described in this Data Report on 11/18, 1980 and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warrant, 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 11/18 1980

Signed John Simpson Commissions MASS 1266
(Inspector) (Nat'l. Bd., State, Prov. and No.)

*Arkwright-Boston Manufacturers Mutual Insurance Company - Mutual Boiler & Machinery Div.

ZX00380147..



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0818

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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Containment Instrument Air (CIA) 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: 7/21/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
CIA(5)-1B-P1	WPPSS	CIA(5)-1B-P1	N/A	N/A	1983	Replacement	Yes, Code Class 3

7. Description of Work: Replaced pipe cap shown on Dwg No CIA-1742-4. The replacement work was performed as follows
- 1) Removed existing socket welded pipe cap
 - 2) Installed new threaded pipe cap



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0818

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: 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 Dudip Singh
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 7/21/92

Date 7-22-92

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 4/13/92 to 7/22/92 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 9556 W NBI
National Board, State, and Endorsements

Date 7/22/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0821

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 Core Isolation Cooling (RCIC) System
5. (a) Applicable Construction Code: ASME Section III Code Class 1, 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: 7/21/92
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
RCIC(1)-4CL1	WPPSS	RCIC(1)-4CL1-P1	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. Description of Work: Replaced studs and nuts for flanged joint near valve RCIC-V-66. Performed pressure test on the flanged joint to confirm pressure boundary integrity. No evidence of leakage during pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0821

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
Test Pressure: 1000 Psig Test Temperature: 545° F
Component Design Pressure: 1500 Psig Temperature: 170° 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 Dwain E. Smith Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 7/21/92 Date 7-22-92

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 6/12/92 to 7/22/92 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 7/22/92



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: 9/15/92
Address: 3000 George Washington Way, Richland, Washington Sheet: 1 of 1
2. Plant: Washington Public Power Supply System (WPPSS) Nuclear Power Plant (WNP) Unit: WNP-2
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: Standby Liquid Control (SLC) System
5. (a) Applicable Construction Code: ASME Section III Code Class 1, 1971 Edition with Winter 1972 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's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
SLC-V-4B	Conax	N/A	90	N/A	1975	Replacement	Yes, Code Class 1

7. Description of Work: Replaced parts for valve SLC-V-4B. The replacement work was performed as follows
- 1) Removed existing trigger body assembly and inlet fitting from the valve
 - 2) Installed new trigger body assembly and inlet fitting in the valve
 - 3) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0822

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ None
Test Pressure: 1160 Psig Test Temperature: 80° F
Component Design Pressure: 1400 Psig Temperature: 150° F

9. Remarks: See attached N-2 Code Data Reports for the following new valve parts

Valve Part	Serial No
Trigger body assembly	3358
Inlet fitting	3362

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 Eupb Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 9/15/92 Date 9-17-92

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 5-8-92 to 9-16-92 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 NBE
Inspector's Signature National Board, State, and Endorsements

Date 9/18/92

FORM N-2 N OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL
NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III, Division 1
Not To Exceed One Day's Production

PLAN. NO. 2-0822

Pg. 1 of 1

1. Manufactured and certified by CONAX BUFFALO CORPORATION, 2300 WALDEN AVENUE, Cheektowaga, NY 14225
(name and address of certificate holder)
2. Manufactured for WASHINGTON PUBLIC POWER SUPPLY, RICHLAND, WA 99352
(name and address of purchaser)
3. Location of installation WASHINGTON NUCLEAR POWER-2, RICHLAND, WA 99352
(name and address)
4. Type N-20000 SA479 304SST 75KSI N/A 90
(drawing no.) (mat'l spec. no.) (tensile strength) (CRQ) (year built)
5. ASME Code, Section III: 77 S77 1 N/A
(edition) (addenda) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date _____
(No.)
7. Remarks: TRIGGER BODY SUB-ASSEMBLY FOR EXPLOSIVE ACTUATED VALVE REPLACEMENT KIT FOR
STANDBY LIQUID CONTROL SYSTEM. PRESSURE TESTED AT 2800 PSI FOR 10 MINUTES;
PARA. NB-2121(b) IS APPLICABLE TO RAM

8. Nom. thickness (in.) *See #7 Min. design thickness (in.) _____ Dia. ID (ft. & in.) _____ Length overall (ft. & in.) _____
9. When applicable, Certificate Holders' data reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board Number In Numerical Order
(1) 3358 ✓	3358	(26)	
(2) 3359 ✓	3359	(27)	
(3) 3360 ✓	3360	(28)	
(4) 3361 ✓	3361	(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8) TRIGGER BODY SUB-ASSEMBLY		(33)	
(9)		(34)	
(10) SERIAL NO. 3358		(35)	
(11)		(36)	
(12)		(37)	
(13) Repair Supp		(38)	
(14) 7/14/82		(39)	
(15)		(40)	
(16)	VERIFIED	(41)	ACCEPTED
(17)	10/1/82	(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 1500 psi Temp. 150 °F. Hydro. test pressure *See #7 at temp. °F.
(when applicable)

*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 2 and 3 on this data report is included on each sheet, (3) each sheet is numbered and number of sheets is recorded at top of this form, and (4) each additional sheet shall be signed by the Certificate Holder and the ANI.

This form (E0004C) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

Serial Nos 3358, 3359, 3360 and 3361

FORM N-2 (back)

Culdrup Sigs
5/1/90.

CERTIFICATE OF DESIGN

Design specifications certified by George Ivo Skoda P. E. state CA Reg. no. 15647
Design report* certified by Francis J. Domino P. E. state NY Reg. no. 36832
(when applicable)

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Trigger Body Sub-Assembly conform to the rules of construction of the ASME Code, Section III.

ASME Certificate of Authorization no. N-1850 Expires September 2, 1992

Date 4-20-90 Name Conax Buffalo Corporation Signed James G. Schreiner
(NPT Certificate Holder) James G. Schreiner QA Mgr.

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 New York and employed by Hartford Steam Boiler Inspection and Insurance Co.

of Hartford, Conn. have inspected these items described in this data report on 4-20-90 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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 loss of any kind arising from or connected with this inspection.

Date 4-20-90 Signed Robert L. Bookman Commissions NB7754 N
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL
NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III
Not To Exceed One Day's Production

PLAN NO. 2-0770

Quidip Supp
41462

Pg. 1 of 1

1. Manufactured and certified by Edward Valves, Inc., 1900 S. Saunders St., Raleigh, NC 27603
(Name and address of NPT Certificate Holder)
2. Manufactured for Washington Public Power Supply System, Richland, Washington 99352
(Name and address of purchaser)
3. Location of installation Hanford TL, Richland, Washington 99352
(Name and address)
4. Type PD423885 R/T SA105 N/A N/A 1990
(Drawing no.) (Mater. spec. no.) (Nucleic strength) (Code) (Year built)
5. ASME Code, Section III: 1971 Winter 1971 1 N/A
(Edition) (Loadings date) (Class) (Cook Case no.)
6. Fabricated in accordance with Const. Spec. IDiv. 2 only) N/A Revision N/A Date N/A
(No.)
7. Remarks: Three (3) stem disk/stem assemblies for size 26 figure 1612 IMNTY
flite-flow balanced stop valve

8. Nom. thickness (in.) N/A Min. design thickness (in.) Per #4 Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
(Ref. 30. E 76-14487)
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>215585-35</u>	
(2) <u>215585-36</u>	
(3) <u>215585-37</u>	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board Number in Numerical Order
(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)	

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A at temp. °F
(When applicable)

Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 2 and 3 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.

(12/86)

This form (E000401) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

FOR INFORMATION ONLY

FORM N-2 (back)

Mfr. Serial No. 215585-353637

CERTIFICATION OF DESIGN

Design specifications certified by Boyd Brooks P.E. State CA Reg. no. 13655
(when applicable)

Design report* certified by S.L. Adams III P.E. State NC Reg. no. 4187
(when applicable)

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Parts
 conforms to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization No. N-1563 Expires 11/26/91

Date 9/18/90 Name Edward Valves, Inc. Signed R. L. Crump
NPT Certificate holder (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 North Carolina and employed by The Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT have inspected these items described in this Data Report on 9-18-90 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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 loss of any kind arising from or connected with this inspection.

Date 9-18-90 Signed [Signature] Commissions NC1083
(Authorized Inspector) (Natl. Bd. Incl. endorsement) state or prov. and no.

VERIFIED & ACCEPTED [Signature]
 REC. INSPECTOR
 LEVEL II DATE 11-8 90

**FORM N-2 N OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL
NUCLEAR PARTS AND APPURTENANCES***

As Required by the Provisions of the ASME Code, Section III, Division 1
Not To Exceed One Day's Production

PLAN No. 2-0822

Pg. 1 of 1

1. Manufactured and certified by CONAX BUFFALO CORPORATION, 2300 WALDEN AVENUE, Cheektowaga, NY 14225
(name and address of certificate holder)
2. Manufactured for WASHINGTON PUBLIC POWER SUPPLY, RICHLAND, WA 99352
(name and address of purchaser)
3. Location of installation WASHINGTON NUCLEAR POWER-2, RICHLAND, WA 99352
(name and address)
4. Type N38017 SA479 304SST 75KSI N/A 90
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III: 77 S77 1 N/A
(edition) (addenda) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date _____
(No.)
7. Remarks: INLET FITTING FOR EXPLOSIVE ACTUATED VALVE REPLACEMENT KIT FOR STANDBY
LIQUID CONTROL SYSTEM

8. Nom. thickness (in.) .040 Min. design thickness (in.) .031 Dia. ID (ft. & in.) N/A Length overall (ft. & in.) N/A
9. When applicable, Certificate Holders' data reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board Number In Numerical Order
(1) 3362 ✓	3362	(26)	
(2) 3363 ✓	3363	(27)	
(3) 3364 ✓	3364	(28)	
(4) 3365 ✓	3365	(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8) INLET FITTING, SERIAL NO. 3362		(33)	
(9)		(34)	
(10) Dupl. Supp		(35)	
(11)		(36)	
(12) 7/14/92. VERIFIED & ACCEPTED		(37)	
(13)		(38)	
(14) LEVEL R/L		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 1500 psi Temp. 150 °F. Hydro. test pressure *See #7 at temp. °F.
(when applicable)

*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 2 and 3 on this data report is included on each sheet, (3) each sheet is numbered and number of sheets is recorded at top of this form, and (4) each additional sheet shall be signed by the Certificate Holder and the ANI.

Serial No's 3362, 3363, 3364 and 3365

FORM N-2 (back)

Ruldip Eup's
5/1/90.

CERTIFICATE OF DESIGN

Design specifications certified by George Ivo Skoda P. E. state CA Reg. no. 15647
Design report* certified by Francis J. Domino P. E. state NY Reg. no. 36832
(when applicable)

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Trigger Body Sub-Assembly conform to the rules of construction of the ASME Code, Section III.

ASME Certificate of Authorization no. N-1850 Expires September 2, 1992

Date 4-20-90 Name Conax Buffalo Corporation Signed James G. Schaefer
(NPT Certificate Holder) James G. Schaefer QA Mgr.

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 New York and employed by Hartford Steam Boiler Inspection and Insurance Co.

of Hartford, Conn. have inspected these items described in this data report on 4-20-90 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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 loss of any kind arising from or connected with this inspection.

Date 4-20-90 Signed Robert L. Thompson Commissions NB 7784 N
(Authorized Inspector) (Natl. Bd. (incl. endorsements) state or prov. and reg.)

Should be inlet fitting

Ruldip Eup's
5/1/90.



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0824

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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Process Instrument (PI) System
5. (a) Applicable Construction Code: ASME Section III Code Class 1, 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

Date: 8/25/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's 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-X-115	JCI	PI(1)-4S-X-115	N/A	N/A	1982	Replacement	Yes, Code Class 1

7. Description of Work: Rerouted process instrument line PI(1)-4S-X-115. The work was performed as follows

- 1) Installed new pipe and fitting material
- 2) Made required socket welds
- 3) Performed PT examination on the final socket welds. PT examination results acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0824

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: 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 Supis
Materials And Inspections

Date 8/25/92

Signed by [Signature]
Plant Technical Manager

Date 8-25-92

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 5/16/92 to 8/26/92 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 9556 W NBI
National Board, State, and Endorsements

Date 8/26/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0825

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: Main Steam (MS) System
5. (a) Applicable Construction Code: ASME Section III Code Class 2, 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's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
MS(1)-4A	WPPSS	MS(1)-4A	N/A	N/A	1984	Replacement	Yes, Code Class 2

7. Description of Work: Installed two (2) new "U" bolts for support MS-954N



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0825

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ None
Test Pressure: P_{sig} Test Temperature: °F
Component Design Pressure: P_{sig} Temperature: °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 Quidip Singh
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 7/7/92

Date 7-8-92

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 5/6/92 to 7/9/92 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 9556 W NBI
National Board, State, and Endorsements

Date 7/9/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0828

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: 7/21/92
Address: 3000 George Washington Way, Richland, Washington Sheet: 1 of 1
2. Plant: Washington Public Power Supply System (WPPSS) Nuclear Power Plant (WNP) Unit: WNP-2
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: Main Steam (MS) System
5. (a) Applicable Construction Code: ASME Section III Code Class 1, 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
MS(1)-4A	WPPSS	MS(1)-4A-P3	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. Description of Work: Replaced studs and nuts for N8 nozzle flanged joint. Performed pressure test on the flanged joint to confirm pressure boundary integrity. No evidence of leakage during pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0828

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
Test Pressure: 1000 Psig Test Temperature: 545° F
Component Design Pressure: 1250 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 Dwight Sipe Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 7/21/92 Date 7-22-92

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 6/12/92 to 7/22/92 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 NBI
Inspector's Signature National Board, State, and Endorsements
Date 7/22/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0829

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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Service Water (SW) System
5. (a) Applicable Construction Code ASME Section III Code Class 3, 1974 Edition with Winter 1976 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: 6/25/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No) Code Class
SW-35-2	BF Shaw	SW-35-2-3	N/A	N/A	1979	Replacement	Yes, Code Class 3

7. Description of Work: Removed vent connection with valves SW-V-168A and SW-V-169A. The work was performed as follows
 - 1) Cut and removed the vent connection valves
 - 2) Installed new pipe cap



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0829

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: 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 Quincy Supb Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 6/2/92 Date 6-27-92

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 5-12-92 to 6-30-92 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 6-30-92



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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Low Pressure Core Spray (LPCS) System
5. (a) Applicable Construction Code: ASME Section III Code Class 2, 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: 8/25/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
LPCS(1)-2	WPPSS	LPCS(1)-2-P1	N/A	N/A	1983	Replacement	Yes, Code Class 2
PI(1)-ST-(H22-P001)	JCI	PI(1)-ST-(H22-P001)-A6	N/A	N/A	1983	Replacement	Yes, Code Class 2
PI(1)-ST-(H22-P001)	JCI	PI(1)-ST-(H22-P001)-A6	N/A	N/A	1983	Replacement	Yes, Code Class 2

7. Description of Work: Relocated LPCS-FE-2. The work was performed as follows
- 1) Cut and removed existing piping and tubing material
 - 2) Installed new piping and tubing material
 - 3) Made required socket welds
 - 4) Performed PT examination on the final socket welds. PT examination results acceptable

Note - ASME Section III Code Class 2, 1974 Edition with Winter 1975 Addenda for JCI



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0831

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: 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 Suijs Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 8/25/92 Date 8-25-92

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 8/15/92 to 8/26/92 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 NBE
Inspector's Signature National Board, State, and Endorsements
Date 8/26/92



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: 7/17/92
Address: 3000 George Washington Way, Richland, Washington Sheet: 1 of 1
2. Plant: Washington Public Power Supply System (WPPSS) Nuclear Power Plant (WNP) Unit: WNP-2
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 1, 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's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
RWCU(3)-4	WPPSS	RWCU(3)-4-P1	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. Description of Work: Installed pipe nipple and pipe cap downstream of valve RWCU-V-605. The replacement work was performed as follows

- 1) Installed new pipe nipple in valve RWCU-V-605
- 2) Made required socket weld
- 3) Performed PT examination on the final socket weld. PT examination results acceptable
- 4) Installed new pipe cap



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0833

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: 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 Dwain Quip
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 7/17/92

Date 7-20-92

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 5/20/92 to 7/20/92 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 9556 W NBE
National Board, State, and Endorsements

Date 7/21/92



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: Standby Liquid Control (SLC) System
5. (a) Applicable Construction Code: ASME Section III Code Class 2, 1974 Edition with Winter 1974 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: 9/15/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
SLC-RV-29A	Lonergan	509258-82-1	N/A	N/A	1978	Replacement	Yes, Code Class 2

7. Description of Work: Replaced parts for relief valve SLC-RV-29A. The replacement work was performed as follows
- 1) Removed existing relief valve parts - stem, disc and nozzle
 - 2) Installed new relief valve parts - stem, disc and nozzle
 - 3) Reinstalled the relief valve
 - 4) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0834

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ None
Test Pressure: 1220 Psig Test Temperature: 80° F
Component Design Pressure: 1400 Psig Temperature: 200° 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 Quaid Sup3 Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 9/15/92 Date 9-17-92

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 5-20-92 to 9-16-92 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 9/18/92



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
Date: 7/10/92
Sheet: 1 of 1
Unit: WNP-2
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: Standby Liquid Control (SLC) System
5. (a) Applicable Construction Code: ASME Section III Code Class 2, 1974 Edition with Winter 1974 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's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
SLC-RV-29B	Lonergan	509258-83-1	N/A	N/A	1978	Replacement	Yes, Code Class 2

7. Description of Work: Replaced parts for relief valve SLC-RV-28B. The replacement work was performed as follows
- 1) Removed existing relief valve parts - stem, disc and nozzle
 - 2) Installed new parts in the relief valve - stem, disc and nozzle
 - 3) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0835

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ None
Test Pressure: 1230 Psig Test Temperature: 80° F
Component Design Pressure: 1400° Psig Temperature: 200° F

9. Remarks: None

* Relief valve set pressure and rated temperature

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 Dulip Suijs Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 7/10/92 Date 7-13-92

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 5/20/92 to 7/14/92 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 9550611 NBI
Inspector's Signature National Board, State, and Endorsements

Date 7/14/92



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 Recirculation Cooling (RRC) System
5. (a) Applicable Construction Code: ASME Section III Code Class 1, 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
B35-G001A	WPPSS	B35-G001A-P1	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. Description of Work: Installed new studs and nuts for RRC Loop - "A" suction side decon flanged joint. Performed pressure test on the flanged joint to confirm pressure boundary integrity. No evidence of leakage during pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0836

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
Test Pressure: 1000 Psig Test Temperature: 545° F
Component Design Pressure: 1250 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 Dulip Singh
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 9/21/92

Date 9-22-92

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 6/2/92 to 9/23/92 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 9556 W NBI
National Board, State, and Endorsements

Date 9/23/92



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: 6/25/92
Address: 3000 George Washington Way, Richland, Washington Sheet: 1 of 1
2. Plant: Washington Public Power Supply System (WPPSS) Nuclear Power Plant (WNP) Unit: WNP-2
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: Standby Liquid Control (SLC) System
5. (a) Applicable Construction Code ASME Section III Code Class 1, 1974 Edition with Summer 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's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No) Code Class
SLC-V-7	Borg Warner	49548	N/A	N/A	1979	Replacement	Yes, Code Class 1

7. Description of Work: Replaced disc for valve SLC-V-7. The replacement work was performed as follows
- 1) Cut body to bonnet seal weld for spare valve Serial No 26283 and removed the disc
 - 2) Cut body to bonnet seal weld for valve SLC-V-7 and removed the existing valve disc
 - 4) Installed the disc removed from the spare valve Serial No 26283 in valve SLC-V-7
 - 5) Made body to bonnet seal weld
 - 6) Performed PT examination on the final seal weld. PT examination results acceptable
 - 7) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0837

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ None
Test Pressure: 1150 Psig Test Temperature: Ambient °F
Component Design Pressure: 3600 Psig Temperature: 100° F

9. Remarks: See attached NPV-1 Code Data Report for Serial No 26283

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 Quaid Liph
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 6/27/92

Date 6-27-92

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 5-23-92 to 6-30-92 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 NBE
National Board, State, and Endorsements

Date 6-30-92

As Required by the Provisions of the "ASME" Code Rules

PLAN No. 2-0837

1. Manufactured by of Borg Warner, 7500 Tyrone Ave., Van Nuys, Ca.

Order No. 47713

(Name & Address of Manufacturer)

2. Manufactured for P.O. Box 1040, Richland, Washington 99352

Order No. 215-3261Q ✕

(Name and Address)

3. Owner WPPSS Hanford #2 Job Site

SERIAL No. 26283

4. Location of Plant Richland, Washington 99352

5. Pump or Valve Identification Nuclear Valve Div. P/N 76790-1, 1 1/2 Inch Y Lift Check Valve,
SS. 1500#

Serial Numbers 24567 & 26283

(Brief description of service for which equipment was designed)

(a) Drawing No. 76790-1 Prepared by Nuclear Valve Division of Borg Warner

(b) National Board No. N/A

6. Design Conditions: $\frac{3600}{\text{(Pressure)}}$ psi $\frac{100}{\text{(Temperature)}}$ °F

03228

7. The material, design, construction, and workmanship complies with ASME Code Section III, Class 1

Edition 1974, Addenda Date Summer '75, Case No. N/A

*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.

WBB BB 215-18606

Part No.	Material Spec. No.	Manufactured	Remarks
(c) Bolting N/A			
(d) Other Parts N/A			

8. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at NVD of Borg Warner, 7500 Tyrone Ave., Van Nuys, Ca. 91409
Stress analysis report on file at NVD of Borg Warner, 7500 Tyrone Ave, Van Nuys, CA
Design specifications certified by David J. Murphy (1) Prof. Eng. State Wash. Reg. No. 12542
Stress analysis report certified by Byron H. Leonard (1) Prof. Eng. State CA Reg. No. NII-5123
(1) Signature not required. List name only.

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

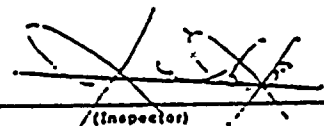
Date January 31 19 78 Signed Nuclear Valve Division
of Borg Warner By [Signature]
(Manufacturer)

Certificate of Authorization No. X-1254 expires October 27, 1978

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 of Province of California and employed by Lumbermen's Mutual Casualty of Long Grove, Illinois have inspected the equipment described in this Data Report on January 31 19 78, 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 January 31 19 78(Inspector)
Manuel B. DianaCommissions CA-1275
(National Board, State, Province and No.)



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 Feedwater (RFW) System
5. (a) Applicable Construction Code: ASME Section III Code Class 1, 1971 Edition with Winter 1972 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: 9/17/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
RFW-V-10A	Anchor/Darling	1N260	N/A	N/A	1977	Repair	Yes, Code Class 1

7. Description of Work: Repaired gasket seating surface on the bonnet for valve RFW-V-10A. The repair work was performed as follows

- 1) Machined to remove surface scratches on the valve bonnet
- 2) Performed PT examination on the final machined surfaces. PT examination results unacceptable
- 3) Removed unacceptable PT indications
- 4) Performed weld repair on the cavity
- 5) Machined weld repaired surfaces
- 6) Performed PT examination on the final machined surfaces. PT examination results acceptable
- 7) Reinstalled the bonnet
- 8) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0841

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ None
Test Pressure: 1050 Psig Test Temperature: 95° F
Component Design Pressure: 2160 Psig Temperature: 700° F

9. Remarks: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this repair 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 *Quaid Swigs* Signed by *[Signature]*
Materials And Inspections Plant Technical Manager
Date 9/17/92 Date 9-17-92

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 5-24-92 to 9-17-92 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 9550W NBSI
Inspector's Signature National Board, State, and Endorsements
Date 9/18/92



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 Pressure Vessel (RPV) Safe End Nozzle No N2-K-SE-330
5. (a) Applicable Construction Code ASME Section III Code Class 1, 1974 Edition with Summer 1976 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
RRC Loop - B, Nozzle No N2-K-SE-330	GE	Spool Piece No 205AE314-IT.1, B35G001-IT.10	N/A	N/A	1980	Repair	Yes, Code Class 1

7. Description of Work: Removed unacceptable PT indication from safe end Nozzle No N2-K-SE-330, Weld No 5, ISI Weld No 12RRC(1)-NK2-4. Unacceptable PT indication in the weld was removed as follows
- 1) Removed unacceptable PT indication by mechanical means
 - 2) Uniformly blended the excavation into the surrounding surfaces
 - 3) Performed PT examination on the excavation. PT examination results acceptable
 - 4) Mapped the excavation
 - 5) Performed UT examination for wall thickness check. The remaining wall thickness was acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0842

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: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this repair 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 Quaid Rupp Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 6/9/92 Date 6-10-92

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 5/26/92 to 6/9/92 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 6/10/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0843

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 Recirculation Cooling (RRC) System
5. (a) Applicable Construction Code: ASME Section III Code Class 1, 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: 9/3/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
RRC(51)-4	WPPSS	RRC(51)-4-P1	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. Description of Work: Removed and reinstalled bonnet vent line for valve RRC-V-67A. The work was performed as follows
- 1) Removed existing valve bonnet vent line
 - 2) Installed new pipe and fitting material for valve bonnet vent line
 - 3) Made required socket welds
 - 4) Performed PT examination on the final socket welds. PT examination results acceptable
 - 5) Installed new bolting material for the flanged joint



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0843

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ None
Test Pressure: P_{sig} Test Temperature: °F
Component Design Pressure: P_{sig} Temperature: °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 S. Smith Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 9/3/92 Date 9-3-92

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 5/26/92 to 9/9/92 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 95561W NBI
Inspector's Signature National Board, State, and Endorsements

Date 9/9/92



**WASHINGTON PUBLIC POWER
SUPPLY SYSTEM**

PLAN NO 2-0844

**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 Recirculation Cooling (RRC) System
5. (a) Applicable Construction Code: ASME Section III Code Class 1, 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: 9/3/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
RRC(51)-4	WPPSS	RRC(51)-4-P1	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. Description of Work: Removed and reinstalled bonnet vent line for valve RRC-V-67B. The work was performed as follows
- 1) Removed existing valve bonnet vent line
 - 2) Installed new pipe and fitting material for valve bonnet vent line
 - 3) Made required socket welds
 - 4) Performed PT examination on the final socket welds. PT examination results acceptable
 - 5) Installed new bolting material for the flanged joint



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0844

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: 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 Eulaip Snipb Signed by [Signature]

Materials And Inspections

Plant Technical Manager

Date 9/3/92 Date 9-3-92

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 5/26/92 to 9/9/92 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 9/9/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0845

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: Containment Instrument Air (CIA) System
5. (a) Applicable Construction Code: ASME Section III Code Class 3, 71/74 Edition with Winter 73/75 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's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
CIA(5)-1A-P1 CIA-SPV-1A	WPPSS Marotta	CIA(5)-1A-P1 137	N/A 1219	N/A N/A	1983 1981	Replacement Replacement	Yes, Code Class 3 Yes, Code Class 3

7. Description of Work: Replaced stub end (safe end) for valve CIA-SPV-1A. The replacement work was performed as follows
- 1) Fabricated new stub end (safe end)
 - 2) Removed existing stub end (safe end) from the valve
 - 3) Installed new stub end (safe end) in the valve and made required socket welds



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0845

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: 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 Sings Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 7/21/92 Date 7-22-92

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 6/10/92 to 7/22/92 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 7/22/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0846

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: Containment Instrument Air (CIA) System
5. (a) Applicable Construction Code: ASME Section III Code Class 2, 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: 7/21/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
CIA-V-56B	Borg Warner	75922	N/A	N/A	1977	Repair	Yes, Code Class 2

7. Description of Work: Made body to bonnet seal weld for valve CIA-V-56B. The work was performed as follows
- 1) Cut valve body to bonnet seal weld
 - 2) Removed valve internals for troubleshooting
 - 3) Reinstalled valve internals and the bonnet
 - 4) Made valve body to bonnet seal weld
 - 5) Performed PT examination on the final seal weld. PT examination results acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0846

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: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this repair 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 Dwain E. Gies Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 7/21/92 Date 7-22-92

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 6/6/92 to 7/22/92 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 7/22/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0849

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: Main Steam (MS) System
5. (a) Applicable Construction Code: ASME Section III Code Class 1, 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: 7/10/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
MS(1)-4A	WPPSS	MS(1)-4A-P3	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. Description of Work: Replaced existing valve MS-V-1. The replacement work was performed as follows
- 1) Cut and removed the existing valve
 - 2) Installed new valve
 - 3) Made required socket weld
 - 4) Performed PT examination on the final socket weld. PT examination results acceptable
 - 5) Installed new pin for Support No MS-2619-210
 - 6) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0849

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ None
Test Pressure: 1100 Psig Test Temperature: 88.7° F
Component Design Pressure: 1250 Psig Temperature: 575° F

9. Remarks: See attached NPV-1 Code Data Report for the new valve
MS-V-2, Serial No 921S0402

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 Smith
Materials And Inspections

Signed by [Signature]
Plant Technical Manager

Date 9/14/92

Date 9-14-92

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 6-11-92 to 9-11-92 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 9556 W NBL
National Board, State, and Endorsements

Date 9/18/92

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
As Required by the Provisions of the ASME Code, Section III, Division 1

Pg. 1 of 2

1. Manufactured and certified by BN/IP INTERNATIONAL, INC. PUMP DIVISION LOS ANGELES OPERATIONS
2300 EAST VERNON AVENUE VERNON, CA 90058
(name and address of N Certificate Holder)
2. Manufactured for WASHINGTON PUBLIC POWER SUPPLY SYSTEM NORTH POWER PLANT LOOP RICHLAND, WA 99352
(name and address of Purchaser)
3. Location of installation WASHINGTON PUBLIC POWER SUPPLY SYSTEM NORTH POWER PLANT LOOP RICHLAND, WA 99352
(name and address)
4. Model No., Series No., or Type GLOBE Drawing 76850001 Rev. D CRN N/A
5. ASME Code, Section III, Division 1: 1971 WINTER '73 1 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Pump or valve VALVE Nominal inlet size 2 Outlet size 2
(in.) (in.)
7. Material: Body SA-105 Bonnet SA-105 Disk STELLITE #6 Bolting N/A

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
921S0402	N/A	RS 222210	RS 222221	RS 222225-1
921S0403	N/A	RS 222211	RS 222222	RS 222225-2
921S0404	N/A	RS 222212	RS 222223	RS 222225-3
<p><i>MS-R-2, S/N 921S 0402</i></p> <p><i>Quidip Sup's</i></p> <p><i>7/6/82</i></p>				

*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 (E00037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

921S0402
921S0403
921S0404

Certificate Holder's Serial No. _____

8. Design conditions: 3600 psi 100 °F or valve pressure class 1500# (1)
(pressure) (temperature)
9. Cold working pressure 3600 psi at 100°F
10. Hydrostatic test 5400-5450 psi Disk differential test pressure 3960-4010 psi
11. Remarks: N/A

CERTIFICATION OF DESIGN

Design Specification certified by RICHARD LESLIE SCHLOSSER P.E. State WA Reg. no. 21701
Design Report certified by RAJ CHAUDHARY P.E. State CA Reg. no. 20608

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1130 Expires JUNE 10, 1993

Date 5-15-92 Name BN/IP INTERNATIONAL, INC. Signed [Signature]
(N Certificate Holder) (authorized representative)

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 CALIFORNIA and employed by *ARKWRIGHT MUTUAL INS. CO. of NORWOOD, MASS. have inspected the pump, or valve, described in this Data Report on MAY 15 1992 and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

***FACTORY MUTUAL SYSTEM**

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 5/15/92 Signed [Signature] Commissions 1275 CS
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0850

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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Diesel Cooling Water (DCW) System
5. (a) Applicable Construction Code: ASME Section III Code Class 3, 1974 Edition with Winter 1974 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: 7/10/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
DCW-HX-1B2	ASHT	8-20004-01-2	29366	N/A	1976	Replacement	Yes, Code Class 3

7. Description of Work: Installed new bolting material for the end channel cover bolted joint for DCW-HX-1B2. Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0850

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ None
Test Pressure: 167 Psig Test Temperature: 56° F
Component Design Pressure: 300 Psig Temperature: 300° 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 Dulip Gupta Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 7/10/92 Date 7-13-92

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 6/9/92 to 7/14/92 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 95561N NBI
Inspector's Signature National Board, State, and Endorsements

Date 7/14/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0854

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: Residual Heat Removal (RHR) System
5. (a) Applicable Construction Code: ASME Section III Code Class 2, 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: 7/21/92

Sheet: 1 of 1

Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
RHR(1)-2A	WPPSS	RHR(1)-2A-P1	N/A	N/A	1983	Replacement	Yes, Code Class 2

7. Description of Work: Replaced existing relief valve RHR-RV-1A. The replacement work was performed as follows
- 1) Machined the raised face of the new relief valve discharge flange
 - 2) Removed the existing relief valve
 - 3) Installed new relief valve
 - 4) Performed Appendix "J" pressure decay leak rate test to confirm pressure boundary integrity. Appendix "J" pressure decay leak rate test results acceptable



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0854

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ *
Test Pressure: 34.75 Psig Test Temperature: 81.5° F
Component Design Pressure: 500 Psig Temperature: 480° F

9. Remarks: See attached NV-1 Code Data Report for the new relief valve
RHR-RV-1A, Serial No N60597-00-0018

* Appendix "J" pressure decay leak rate test

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

David S. G. S.
Materials And Inspections

Signed by

[Signature]
Plant Technical Manager

Date

7/21/92.

Date

7-22-92

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 6/23/92 to 7/22/92 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

9556 W

NBI

National Board, State, and Endorsements

Date

7/22/92

CROSBY**CROSBY VALVE & GAGE COMPANY**

WRENTHAM, MASS.

90° 20' N. 71° 00' W. 1000' ASCE 1974

FORM NV-1 FOR SAFETY AND SAFETY RELIEF VALVES
As required by the Provisions of the ASME Code Rules

Q.C.-40-1

DATA REPORT
Safety and Safety Relief Valves

RHR-LV-1A

Quaip-Sup

7/6/92

1. Manufactured By Crosby Valve & Gage Co., 43 Kendrick St., Wrentham, MA 02093

Name and Address

Model No. JR-WR Order No. N06360 Contract Date 3/7/90 National Board No. ---Washington Public Power Supply System2. Manufactured For PO Box 968 Richland, WA 99352-0968Order No. 204649----

Name and Address

3. Owner Washington Public Power Supply System

Name and Address

4. Location of Plant Hanford II5. Valve Identification MPL E123001 Serial No. N60597-00-0018 Drawing No. DS-C-60597 Rev. EType Relief Orifice Size 280 Pipe Size --- Inlet 3/4 Outlet 1
Safety, Safety Relief, Pilot, Power Actuated Inch Inch Inch Inch6. Set Pressure (PSIG) 500 480°
Rated Temperature °FStamped Capacity 20 GPM WTR @ 70°F 10 % Overpressure --- Blowdown (PSIG) 15% of SPHydrostatic Test (PSIG) Inlet 750 Complete Valve 225

7. The material, design, construction and workmanship comply with ASME Code, Section III.

1711

Class 2 Edition 1974, Addenda Date Summer 1975, Case No. 1567 & N242-1

Pressure Containing or Pressure Retaining Components

1. Castings	Serial No. Identification	Material Specification Including Type or Grade
Body		
XXXXXX Cylinder	<u>N91851-34-0025</u>	<u>ASME SA 216 Gr. WCB</u>
b. Bar Stock and Forgings		
Support Rods		
XXXXXX Base	<u>N91850-37-0028</u>	<u>ASME SA 479 Type 316</u>
Disc	<u>N91855-46-0092</u>	<u>ASME SB 164 CL. A</u>
Spring Washers	<u>N92220-36-0085</u> <u>N92220-36-0087</u>	<u>ASME SA 193 Gr. B6</u>
Adjusting Bolt	<u>N92221-34-0027</u>	<u>ASME SA 193 Gr. B6</u>
Spindle K61719-39-0030	<u>N92219-39-0030</u>	<u>ASME SA 193 Gr. B6</u>

VERIFIED & ACCEPTED *[Signature]*
REC. INSPECTOR
LEVEL *2* DATE 10-22-80

Serial No. of *20712* Material Specification
Identification *ASTM B166*
Including Type or Grade
ASTM B166

c. Spring

d. Bolting

e. Other Parts such as Pilot Components

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

Date *9/29/1990*

Signed *Crosby Valve & Gage Co.*
Manufacturer

Certificate of Authorization No. *1878* expires *September 30, 1992*

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 *Mass.* and employed by *Factory Mutual Insurance Company* have

inspected the equipment described in this Data Report on *Sept 29* 19*90* 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 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 *Sept 29* 19 *90* Factory Mutual System

[Signature]
(Inspector)

Commission *MA 1207*
National Board, State, Province and No.)



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: Residual Heat Removal (RHR) System
5. (a) Applicable Construction Code: ASME Section III Code Class 2, 1974 Edition with Summer 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

Date: 9/15/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
RHR-V-134A	Borg Warner	75607	N/A	N/A	1982	Repair	Yes, Code Class 2

7. Description of Work: Made body to bonnet seal weld for valve RHR-V-134A. The work was performed as follows
- 1) Cut valve body to bonnet seal weld
 - 2) Removed valve internals for troubleshooting
 - 3) Reinstalled valve internals and the bonnet
 - 4) Made valve body to bonnet seal weld
 - 5) Performed PT examination on the final seal weld. PT examination results acceptable
 - 6) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0856

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ None
Test Pressure: 35.5 Psig Test Temperature: 81° F
Component Design Pressure: 1440 Psig Temperature: 100° F

9. Remarks: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this repair 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 Dulair Singh Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 9/15/92 Date 9-17-92

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 6-26-92 to 9-16-92 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 9554W NBI
Inspector's Signature National Board, State, and Endorsements

Date 9/18/92



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: Main Steam (MS) System
5. (a) Applicable Construction Code: ASME Section III Code Class 1, 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

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
Spare Relief Valve	Crosby	N63790-00-0053	N/A	N/A	1980	Replacement	Yes, Code Class 1

7. Description of Work: Replaced disc insert and nozzle for spare Main Steam Relief Valve (MSRV), Serial No N63790-00-0053. The replacement work was performed as follows

- 1) Removed existing disc insert and nozzle from the relief valve
- 2) Installed new disc insert and nozzle in the relief valve



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0857

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: Pressure test will be performed on the flanged joints when the spare relief valve is installed in the system in accordance with ASME Section XI Plan No 2-0858

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 Dwain L. Smith Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 8/25/92 Date 8-25-92

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 7/13/92 to 8/25/92 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 8/25/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0858

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: 9/15/92
Address: 3000 George Washington Way, Richland, Washington Sheet: 1 of 1
2. Plant: Washington Public Power Supply System (WPPSS) Nuclear Power Plant (WNP) Unit: WNP-2
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: Main Steam (MS) System
5. (a) Applicable Construction Code: ASME Section III Code Class 1, 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's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
B22-G001B	WPPSS	B22-G001B-P1	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. Description of Work: Replaced existing relief valve MS-RV-3B. The replacement work was performed as follows
- 1) Removed existing relief valve MS-RV-3B, Serial No N63790-00-0052 with set pressure of 1185 PSIG at rated temperature of 575° F
 - 2) Installed replacement relief valve with Serial No N63790-00-0053 with set pressure of 1185 PSIG at rated temperature of 575° F
 - 3) Replaced some bolting material for the relief valve flanged joint
 - 4) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

NOTES -

- 1) ASME Section III Code Class 1, 1971 Edition with Winter 1973 Addenda for the piping system
- 2) ASME Section III Code Class 1, 1971 Edition with no Addenda for the relief valve



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0858

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☒ Other ☐ None
Test Pressure: 922/6.7 Psig Test Temperature: 528/79° F
Component Design Pressure: 1250/500 Psig Temperature: 575/470° F

9. Remarks: 1) See attached NV-1 Code Data Report for replacement relief valve Serial No N63790-00-0053, 2) Nominal operating pressure test on relief valve inlet flanged joint - test pressure of 922 PSIG and test temperature of 528° F, 3) Pneumatic test on relief valve outlet joint, body to bonnet joint, nozzle ring and adjusting ring set screw joints - test pressure of 6.7 PSIG and test temperature of 79° F, 4) Component design pressure and temperature - 1250 PSIG at 575° F for relief valve inlet piping and 500 PSIG at 470° F for relief valve outlet piping

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 Quaip Smith Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 9/15/92 Date 9-17-92

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 7-14-92 to 9-17-92 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 9/18/92

CROSBYCROSBY VALVE & GAGE COMPANY
WRENTHAM, MASS

PLAN NO. 2-0858

FORM NV-1 FOR SAFETY AND SAFETY RELIEF VALVES
As Required by the Provisions of the ASME Code RulesQuincy Supply Co. - 44D
115192

DATA REPORT

Safety and Safety Relief Valves

FOR INFORMATION ONLY

1. Manufactured By Crosby Valve & Gage Company, 43 Kendrick St., Wrentham, MA 02093
Name and Address

Model No. HB-65-BP-FN Order No. N94275 Contract Date 4/24/79 National Board No. N/A
General Electric Company, 175 Curtner Ave.,
2. Manufactured For San Jose, CA 95125 Order No. 205-AJ986
Name and Address

3. Owner Washington Public Supply System, Richland, Washington 99352
Name and Address

4. Location of Plant Hanford Reservation, Richland, Washington 99352

5. Valve Identification MPL #B22-F013 Serial No. N63790-00-0053 Drawing No. DS-A-63790 Rev. C
Type Safety Relief Orifice Size R Pipe Size -- Inlet 6 Outlet 10
Safety, Safety Relief, Pilot, Inch Inch Inch Inch
Power Actuated

6. Set Pressure (psig) 1185 Rated Temperature 575° F

Stamped Capacity 891,750 @ 3 Overpressure -- Blowdown (psig) 2% to 11%
975 psig (Assembled Valve)

Hydrostatic Test (psig) Inlet 2370 Outlet 1100 psig (Body Only)
(Applicable to Valves for Closed Systems Only)

Pressure Retaining Pieces

	Serial No. Identification	Material Specification Including Type or Grade
a. Crossed Bar Stock & Forgings		
Body	<u>N93183-35-0072</u>	<u>ASTM A105-71 Gr. II</u> <u>ASME SA105 Gr. II</u>
Bonnet	<u>N93407-35-0035</u>	<u>ASTM A105-71 Gr. II</u> <u>ASME SA105 Gr. II</u>
b. Crossed Disc Insert	<u>N93185-34-0085</u>	<u>ASME SA637 Gr. 718</u>
Nozzle	<u>N93184-33-0057</u>	<u>ASME SA182 Gr. F316</u>
Disc Holder *K55484-35-0082	<u>*N89714-34-0089</u> <u>K62856-35-0091</u>	<u>AMS 5662B</u> <u>ASTM A105-71 Gr. II</u> <u>ASME SA105 Gr. II</u>
Spring Washers K62858-35-0035	<u>K62857-35-0056</u>	
Adjusting Bolt	<u>N93410-33-0060</u>	<u>ASME SA193 Gr. B6</u> <u>ASTM A564-71 Type 630</u> <u>ASME SA564 Type 630</u>
Spindle Point K62873-35-0053	<u>*N89720-34-0085</u> <u>*N89722-0011</u>	<u>ASTM A304-66 Gr. 4161H</u>
c. Spring K62858-35-0035		
d. Bolting		
Spindle Ball	<u>N93213-0053</u>	<u>7X00380127</u> <u>Stellite #6</u>
e. Crossed Thrust Bearing Adapter	<u>N93409-32-0055</u>	<u>ASME SA193 Gr. B6</u> <u>ASTM A193-71 Gr. 37</u> <u>ASME SA193 Gr. 37</u>
Bonnet Stud (117, BW5)	<u>N93207-0633 thru 0644</u>	<u>ASME SA194 Gr. 2H</u> <u>ASTM A193-71 Gr. 37</u> <u>ASME SA193 Gr. 37</u>
Bonnet Stud Nut (J87)	<u>N93210-0853 thru 0864</u>	<u>ASME SA194 Gr. 2H</u> <u>ASTM A194-71 Gr. 2H</u> <u>ASME SA194 Gr. 2H</u>
Inlet Stud (BW6)	<u>N93216-0635 thru 0646</u>	
Inlet Stud Nut (BW8)	<u>N93218-0639 thru 0650</u>	
Adjusting Bolt Button K63618-33-0062	<u>N93411-33-0062</u>	<u>ASME SA193 Gr. B6</u>

Valve originally built against Crosby Order No. N103600, Assembly No. N56000. Valve modification consists of replacement of the Disc Insert, Nozzle, Bonnet Stud Nuts, Adjusting Bolt, and Thrust Bearing Adapter, remachining of the Body, Spring Washers, Bonnet, and Spindle Assembly, and adding an Adjusting Bolt Button Assembly. New serialization is required unless indicated by an asterisk. Original nameplate removed and new nameplate attached.

N163790-00-0053

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this valve conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, 1971 Edition, Addenda No Addenda, Code Case No. 1567 & 1711.
Class 1 (Date)

Date 11-5-80 Signed Crosby Valve & Gage Co. by H. G. Pearson
(N Certificate Holder)

Our ASME Certificate of Authorization No. 1878 to use the NV
symbol expires September 30, 1983.
(Date)

CERTIFICATION OF DESIGN

Design information on file at Crosby Valve & Gage Company

Stress analysis report (Class 1 only) on file at Crosby Valve & Gage Company

43 Kendrick Street, Wrentham, Massachusetts 02093

Design specifications certified by ¹Boyd P. Brooks

PE State California Reg. No. 13655

Stress report certified by ¹W. D. Greenlaw

PE State Massachusetts Reg. No. 14784

¹Signature not required - list name only.

FOR INFORMATION ONLY

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 Massachusetts and employed by Factory Mutual Systems* of Norwood, Massachusetts have inspected the pump, or valve, described in this Data Report on 11/21, 1980 and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warrant, 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 11/21 1980

Signed John P. Brown Commissions MASS 1266
(Inspector) (Nat'l. Bd., State, Prov. and No.)

*Arkwright-Boston Manufacturers Mutual Insurance Company - Mutual Boiler & Machinery Div.

ZX00380128



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: 9/11/92
Address: 3000 George Washington Way, Richland, Washington Sheet: 1 of 1
2. Plant: Washington Public Power Supply System (WPPSS) Nuclear Power Plant (WNP) Unit: WNP-2
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 Core Isolation Cooling (RCIC) System
5. (a) Applicable Construction Code: ASME Section III Code Class 2, 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's Serial No	National Board No	Other I.D	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
RCIC(2)-1	WPPSS	RCIC(2)-1-P1	N/A	N/A	1983	Replacement	Yes, Code Class 2

7. Description of Work: Installed new pipe cap for connection with valve RCIC-V-103



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0861

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: 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 Dwight Smith

Signed by AL Sa

Materials And Inspections

Plant Technical Manager

Date 9/14/92

Date 9-14-92

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 8-11-92 to 9-15-92 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

Dwight Smith

Inspector's Signature

Commissions

9556W NBI

National Board, State, and Endorsements

Date

9/18/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0862

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: Low Pressure Core Spray (LPCS) System
5. (a) Applicable Construction Code: ASME Section III Code Class 2, 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: 9/11/92

Sheet: 1 of 1

Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
LPCS(3)-1	WPPSS	LPCS(3)-1	N/A	N/A	1983	Replacement	Yes, Code Class 2

7. Description of Work: Installed new pipe cap for connection with valve LPCS-V-36



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0862

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: 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 Paula S. Smith

Signed by [Signature]

Materials And Inspections

Plant Technical Manager

Date 9/14/92

Date 9-14-92

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 8-11-92 to 9-14-92 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 9/18/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0863

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: Low Pressure Core Spray (LPCS) System
5. (a) Applicable Construction Code: ASME Section III Code Class 2, 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: 9/11/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
LPCS(2)-1	WPPSS	LPCS(2)-1-P1	N/A	N/A	1983	Replacement	Yes, Code Class 2

7. Description of Work: Installed new pipe cap for connection with valve LPCS-V-59



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0863

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: 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 Dwain L. Smith Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 9/14/92 Date 9-14-92

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 8-11-92 to 9-14-92 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 NBE
Inspector's Signature National Board, State, and Endorsements

Date 9/18/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0864

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: Low Pressure Core Spray (LPCS) System
5. (a) Applicable Construction Code: ASME Section III Code Class 2, 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: 9/11/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
LPCS(1)-2	WPPSS	LPCS(1)-2-P1	N/A	N/A	1983	Replacement	Yes, Code Class 2

7. Description of Work: Installed new pipe cap for connection with valve LPCS-V-55



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0864

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: 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 Rudip Supb

Materials And Inspections

Date 9/14/92

Signed by ALH

Plant Technical Manager

Date 9-14-92

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 8-14-92 to 9-14-92 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

Don Abagond
Inspector's Signature

Commissions 9556W NBI
National Board, State, and Endorsements

Date 9/18/92



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0866

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, Inc, PO Box 600, Richland, WA
(b) Repair Organization P.O. No, Job No, etc.: C20069
4. Identification of System: Service Water (SW) 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: 9/15/92
Sheet: 1 of 1
Unit: WNP-2

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other I.D.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No) Code Class
SW(1)-2	WPPSS	SW(1)-2-P1	N/A	N/A	1983	Repair	Yes, Code Class 3

7. Description of Work: Cut and rewelded socket welds 4 and 5-1 shown on Dwg No SW-1525-1. The repair work was performed as follows

- 1) Cut existing socket welds
- 2) Prepped cut pipe and fitting ends for rewelding
- 3) Remade socket welds



WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

PLAN NO 2-0866

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: None

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Owner's Report are correct and this repair 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 Quaid Swope Signed by [Signature]
Materials And Inspections Plant Technical Manager
Date 9/15/92 Date 9-17-92

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 8-21-92 to 9-17-92 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 NBE
Inspector's Signature National Board, State, and Endorsements

Date 9/18/92